

# COMMON ENTRANCE TEST 2014



**BOPEE**

## Information Brochure

**THE JAMMU & KASHMIR  
BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**





# THE JAMMU AND KASHMIR BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS

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# **COMMON ENTRANCE TEST**

## **Information Brochure, 2014**



**THE JAMMU AND KASHMIR  
BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**

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## MESSAGE FROM CHAIRMAN

It is the dream of every student in Jammu and Kashmir to seek admission to various professional courses and walk into a renowned institution for the completion of his / her education in his/ her chosen field. Such dreams come true through competitive examinations conducted by the J&K Board of Professional Entrance Examinations (BOPEE).

Change is inevitable and organisations yet continuing with traditional ways of leadership and management are likely to remain behind the main streams. As Chairman, BOPEE, I always believe in thinking positive, learning by exploring and continuously unlearning and changing to ensure that we live up to BOPEE's promises and expectations of all stakeholders. Therefore, it is imperative that members at all levels of this organisation team together and leverage the use of technology in the evaluation system to make BOPEE more effective and globally competitive. The decision to provide a carbonless copy of OMR answer sheet and question paper to the examinees was taken to make the assessment system objective, transparent, and user-friendly. Uploading the answer key on the website of BOPEE immediately after the examination and providing the examinees two days to report the office of BOPEE any discrepancy in the answer key and the question paper is a step to bring about the much required change in the assessment experience of the student as it necessarily alleviates his/ her anxieties precipitated by examinations in general. Needless to say, the introduction and implementation of this standardised methodology has won BOPEE appreciation and applause from all sections of the society, particularly from students and their parents. However, our educational endeavours aim not only at helping the students to be intellectually competent but we expect them to be morally upright so that they eventually help create a just and humane society. We expect that candidates shall be sincere, honest and responsible while appearing in their entrance examinations and do not resort to any unfair and unethical means, whatsoever.

We thank all the stakeholders for reposing faith in BOPEE and assure them that we will continue to work relentlessly to produce the quality services needed to cater to the demands of the ever-changing society as we understand that it takes much more than hard work to maximise the true potential of a student. At the same times we expect that the students shall visit the Campuses of the Colleges and Universities along with their parents before they make choice for admission in a particular College/ University during counselling.

Now the candidates can have a easy access to information they need concerning entrance examinations on BOPEE's website at the time and place convenient to them. Over the years the website has facilitated and increased the interaction and communication between the functionaries of the Board and the students on the one hand and with other stakeholders on the other. More importantly, website of the Board has made its functioning processes and procedures more transparent and open to public scrutiny.

Looking forward to meet you at the counselling sessions, I once again advise the candidates to remain updated about the scheme of entrance test and timings of different steps to be followed by visiting BOPEE's website repeatedly till the admission process is over.



**Prof. R. D. Sharma**

Chairman



## MESSAGE FROM CONTROLLER OF EXAMINATIONS



The Test meant to select students for Medical and Engineering courses for different Colleges of our State takes hard toil from the aspirants together with their parents of which BOPEE officials are quite conscious. The merit secured by the candidates by burning midnight oil can in no case be tinkered with and will be respected at all cost.

The aspirants are advised to concentrate exclusively on their studies and not to lend ear to rumour mongers and in case of any complaint or clarification, they are advised to approach directly to the Secretary of the BOPEE who will be more than glad to respond. The candidates are required to fill up their application forms strictly according to the Guidelines given in the Brochure. They are advised not to take counselling in this regard from any official of the BOPEE nor has the Board authorised any of its official to guide applicants while filling application form. A mistake committed by any applicant while filling of the application form may prove very costly and may even deprive him/her a berth which he/she may otherwise get. The candidates are advised to fill up their application form in presence of their parents / guardians and the Board will not be responsible for any mistake committed by them under any circumstances what so ever. Nor can the plea of the candidate that he/ she was misguided by the official of the Board will be accepted in any case what so ever and this holds true for counselling also which is conducted after the declaration of the result.

The conduct of various tests by the Board is a herculean task which cannot be accomplished without the cooperation of the students and their parents. It has been observed over the period of time that the students some time submit incorrect information or do not furnish some important information and then at a belated stage roam around BOPEE offices in an attempt to provide this information on one pretext or the other. Even some such students resort to litigation as well which derails whole process of admission and results in inordinate delay. Thus, they waste their precious time and money for rectifying a mistake which they could have so easily avoided. The Board values time, money and career of the students which should not be wasted by being carefree at the time of filing of application form. They should get the habit of doing things meticulously and should stand upright where they commit a mistake even though inadvertently.

The Board has taken solemn pledge that all the admissions to be recommended by it on the basis of the tests conducted from time to time under the auspices of the BOPEE will be solely based on merit calculated scrupulously in a transparent manner and the aspirants should rest assured that their merit is in the safe hands. The Board officials are trustees of the merit of the candidates which under no circumstances can be bartered away.

**Prof. Farooq Ahmad Mir**  
Controller of Examinations





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## 1. INTRODUCTION

The Jammu and Kashmir Board of Professional Entrance Examinations (BOPEE) was established by an Act of the State Legislature (Act No. XXV of 2002). Under the Act, the Board is entrusted with the task of conducting entrance tests and recommending selection of the candidates for admission to various professional courses in the State of Jammu and Kashmir.

The Common Entrance Test (CET) 2014 is being conducted for the purpose of determining merit of students for admission to various professional undergraduate courses like M. B. B. S., B. D. S. B. E., etc. in the Government run and privately managed institutions in J&K State. The test will be conducted in accordance with the provisions of the J&K Board of Professional Entrance Examinations Act 2002, Jammu and Kashmir Reservation Act, 2004, J&K Reservation Rules, 2005 as amended from time to time and other relevant rules, orders, notifications and directions issued or to be issued by the Government of Jammu and Kashmir or by any regulating body (like MCI, DCI, AICTE, AYUSH) from time to time.

The information brochure has been prepared to provide procedural details of the CET to the candidates. The most crucial step is the filling up of the application form. The selections are recommended according to the choice for courses and the Colleges/Universities indicated by the applicant in his/her counselling form in order of merit secured in the CET. The candidates should, therefore, carefully go through the information brochure before filling both scanable and non-scanable OMR application forms. Any error at the initial stage may not get rectified later and this may prove very costly to a promising student.

## 2. TERMS AND EXPRESSIONS

Certain terms and expressions used in the information brochure have specific importance unless, of course, the context otherwise denotes. For the benefit of the candidates, these terms and expressions are briefly defined here under:-

- I. **Advertisement Notification:** The notification issued by BOPEE inviting applications from eligible candidates for appearing in entrance test.
- II. **Application Form:** The form prescribed by the BOPEE to be submitted by the eligible candidates for appearing in the entrance test.
- III. **Available Seats:** The seats against which admissions are ordered by the Government of Jammu & Kashmir.
- IV. **Eligible Candidate:** A candidate who fulfills the requirements of eligibility as prescribed by the BOPEE and the State Government, Affiliating Universities and other regulating agencies viz. MCI, DCI, AICTE, AYUSH etc.
- V. **Free Seats:** The seats in the Government run institutions for which only nominal fee is prescribed.





- VI. **Incomplete Form:** The form which lacks any documentary proof or is wrongly filled in or contains false information of any kind or not having required and /or valid certificates or has any other deficiency and discrepancy whatsoever.
- VII. **Late Receipt:** Applications not received in the office of the BOPEE, Srinagar / Jammu within the stipulated time mentioned in the advertisement notification which includes forms sent by registered post/ speed post within the stipulated time but reaches after the expiry of this date.
- VIII. **Merit List:** The list of candidates, who appear in the entrance test, drawn up in the descending order of inter-se-merit.
- IX. **Payment Seats:** The seats available, excluding free seats in a professional course, for which higher fee is prescribed.
- X. **Private Educational Institutions:** The institutions / colleges established and or administered by registered societies, public trusts or religious and charitable trusts offering professional courses and duly approved/recognised by the Government of Jammu and Kashmir and regulating bodies such as MCI / DCI / AICTE / AYUSH, as the case may be.
- XI. **Qualifying Examination:** 10+2 or equivalent examination on the basis of which candidates become eligible for appearing in CET.

### 3. GENERAL INFORMATION & INSTRUCTIONS

- I. It is expected that the candidates shall be sincere, honest and behave responsibly while appearing in the entrance examination and shall not adopt any unfair / fraudulent / mischievous means. The candidates herein are sternly warned not to resort to any unfair / fraudulent means or the mischievous act of impersonation. In case a candidate is found resorting to such acts, criminal proceedings shall be launched against him/her as well as against his / her parents, besides debarring him / her permanently from appearing in the entrance examination in future.
- II. The candidates seeking admission to entrance test are required to:
  - a. go through this information brochure carefully and acquaint themselves with all the requirements.
  - b. satisfy eligibility conditions prescribed for appearing in the entrance examination.
  - c. Submit duly filled prescribed application form available with information brochure in the designated centres
  - d. Application submitted on a Xerox copy / photocopy of application form will be summarily rejected;
  - e. write complete address with Postal Pin Code, Telephone No., Mobile No., e-mail address, in the application form. The candidate is required to mention in the postal address the District to which he/she belongs.



- f. use of correcting fluid / eraser/ ink remover including use of blade on application form both scanable / non- scanable copies of OMR form or in OMR Answer Sheet is strictly prohibited and any discrepancy in the evaluation on this account shall be the sole responsibility of the candidate.
- III. The candidates applying for admission, if found eligible, will be required to appear in the CET at their own expenses.
- IV. The recommendation for selection of the candidates in all the categories shall be subject to production of all the relevant certificates in original by the candidates and the verification of the same by Board/College/University.
- V. No intimation whatsoever about non-selection will be sent individually and no correspondence in this regard shall be entertained. The result will, however, be available in both the offices of the BOPEE at Jammu and Srinagar for information and perusal of the candidates. The result will also be available on BOPEE's website: [www.jakbopee.org](http://www.jakbopee.org)
- VI. The recommendations for selection made by the BOPEE to a professional course shall be provisional till final determination of eligibility of the candidates by the concerned University/ College.
- VII. The BOPEE shall have power to review the provisional selection list at any time, notwithstanding the fact that the selected candidate has completed his/her admission formalities, where any bonafide error, lapse, mistake, fraud, misrepresentation, misinterpretation, impersonation or glaring injustice that occurs or is brought to its notice which has resulted in the inclusion of the candidate in the selection list. Mere selection in the list does not confer any right to admission of the candidate if he/she is otherwise found ineligible.
- VIII. Complaints against certificates, including those of reserved categories, will not be entertained as BOPEE is neither an appellate authority nor an investigating agency.
- IX. Permission of candidates to appear in CET shall be provisional, subject to their being eligible for admission to the courses applied for.
- X. The answer key will be displayed on the BOPEE'S website in the evening on the second day of the test and will remain there for two days and thereafter will be removed. The candidates who have any complaint against an answer of any question are free to make written representation supported by documentary proof of standard text books with latest addition on the prescribed format available in the BOPEE office at Srinagar/Jammu which should reach in the office (Srinagar/ Jammu) within two working days after the Key is made available after which no representation will be accepted.
- XI. The Answer Key will be got re-examined by the Board on the basis of the representations so received and the revised key, if any, will be final and no complaint will be then entertained regarding the revised key. The revised key will be uploaded on the website of the BOPEE.





The revised Answer Key, if any, will be applied to answer sheets of all the candidates no matter whether they have made such representation or not.

- XII. OMR answer sheets of candidates are machine graded and scanned / scrutinized with extreme care. As such, there shall be no re-evaluation/ rechecking of OMR answer sheets. No correspondence in this regard shall be entertained.
- XIII. Re- totaling of marks will be allowed on written request along with a bank draft of Rs. 1000/- per subject in favour of FA/CAO, BOPEE, payable at Jammu / Srinagar. The application will be received within 7 days after the declaration of result. Any application received after the stipulated time will not be entertained.
- XIV. Some of the records shall be destroyed as under:
  - a. The unused question booklets and answer sheets shall be destroyed after three months after the declaration of the result.
  - b. The used answer sheets shall be destroyed after six months after the declaration of the results.
  - c. Application forms of the non selected candidates (scanable and non scanable) shall be destroyed in the manner as prescribed for the question booklets.
  - d. The counselling forms on which the candidates have indicated their choice and finally allotment is recommended will be destroyed after one year of the conclusion of the counselling for admission to a particular course.

**Note:** No record of the office shall be destroyed unless prior approval is obtained from the Advisory Committee

#### **Instruction for Photographs**

Candidates must also follow the following instructions:

- a. Four recent high contrast colour passport size photographs with light background are required. Polaroid photographs shall not be accepted.
- b. Photographs must be snapped on or after **01-04-2014**.
- c. Photograph must be taken with name of candidate (as written in application form).
- d. Candidate must always keep two extra identical copies of the photograph during the entire selection process.
- e. The photograph must be snapped with a placard indicating name of candidate and date of taking photograph. In case name and date are written on the photograph after taking it, the application will be rejected.
- f. The name and date on the photograph must be clear and legible.



Sample  
Photograph



- g. Photograph should be without a cap and goggles. However, spectacles are allowed.
- h. One photograph each should be pasted (NOT STAPLED) on
  - a. Scannable copy of Application Form and
  - b. Non-Scannable copy of Application Form.
- i. Two photographs each should be pasted (NOT STAPLED) on online Application Form (confirmation page), if the application is submitted online.
- j. One (Top) photograph on the actual copy of online application form/ (bottom) photograph on non-scannable OMR Application Form must be attested by a Gazetted Officer/Principal with a clear stamp.
- k. The additional two photographs submitted along with the application form should bear at their back Application Form Number and Name of the candidate.
- l. Applications not complying with these instructions or with unclear photograph will be rejected.

#### 4. ELIGIBILITY FOR ADMISSION

The candidates applying for CET must fulfill the following eligibility conditions:

They must:

1. be permanent residents of J&K State as defined in Section 6 of the Constitution of J&K.
2. have passed Hr. Sec. Part II (12<sup>th</sup> / 10+2) or an equivalent examination from a recognized statutory Board/University
3. have obtained 50% marks in aggregate in 10+2 examination in case of open merit category and 40% in aggregate for reserved categories.
4. have passed 10+2 examination with English, Physics, Chemistry and Mathematics as their elective subjects in case of admission to Bachelor of Engineering Courses .
5. have passed 10+2 examination with English, Physics, Chemistry and Biology, as elective subjects for admission to MBBS, BDS, Physiotherapy, BAMS/ BUMS etc.
6. The candidates appearing / appeared in 10+2 (12<sup>th</sup> class) Annual Examination can also





apply to appear in CET 2014. However, admit card shall be issued on production of attested photocopy of marks list of 10+2 (12<sup>th</sup> class).

7. The candidates must be at least 17 years old on or before December 31, 2014 if he/she applies to appear in CET 2014 for admission to MBBS, BDS, BAMS and BUMS Courses. For removal of any doubt, a candidate born on or after 2<sup>nd</sup> January, 1998 is not eligible to appear in CET.

## 5. RESERVATION AND CATEGORY CODES

The reservation is applicable only in Government-run colleges / institutions in the State as notified by J&K Government, except if mentioned specifically in a private college, the percentage of seats to be allotted to each category shall be as under:

S. No.	Categories	Category Codes	Reservation in %age
1	Open Merit (OM)	06	50
2	Reserved Categories		
2.1	Scheduled Caste (SC)	07	08
2.2	Scheduled Tribes		
2.2.1	Scheduled Tribe, Gujjar & Bakerwal (STGB)	08	06
2.2.2	Scheduled Tribe, Leh District (STL)	09	02
2.2.3	Scheduled Tribe, Kargil District (STK)	10	02
2.2.4	Other Scheduled Tribes (STO)	11	01
2.3	Socially and Educationally Backward Classes		
2.3.1	Weak and Under Privileged Classes, Social Castes (OSC)	12	02
2.3.2	Residents of Backward Area (RBA)	13	20
2.3.3	Residents of Area Adjoining Actual Line of Control (ALC)	14	03
2.4	Children of Defense Personnel (CDP) * (State Subjects only)	15	03
2.5	Candidates possessing outstanding proficiency in Sports (SP)**	16	02
2.6	Children of State Police Personnel and Paramilitary Forces (JKPM)	17	01
2.7	Poor and Backward Families (P&B)	18	Notified against colleges/courses, wherever applicable
2.8	Tuition fee Waiver Scheme (TFW) ***	19	05 of sanctioned intake capacity

The category certificates should be on the format prescribed in SRO 294 of 2005.



The benefit of reservation shall be available to the concerned candidate only if the attested photo copy of the valid category certificate is attached with the non-scanable form and category Code given above is mentioned in the original application form (both scanable and non-scanable form) at the time of its submission before the expiry of the last date. The category certificate issued after the expiry of the last date shall in no case be accepted. If a candidate fails to submit reserved category certificate along with the "Application Form" his/her application will be considered under Open Merit Category if found otherwise eligible.

A candidate can apply for one reserved category only. Choice regarding reserved category once exercised shall be final. At no stage, choice concerning category will be allowed to be changed.

In the Government Medical and Dental Colleges, 50% of seats are reserved for female candidates falling under all categories. The seats will be filled strictly in accordance with provisions of J&K Reservation Act No. (XIV) of 2004 and Reservation Rules, 2005 and notification, if any, issued by the Govt. in this regard from time to time and odd seats will be rotated between male and female. (see **Annexures VIII and IX**)

The fractional seats of contiguous categories where ever possible (for instance CDP and JKPM) will be clubbed together to make them whole number of one seat as reflected in seat Matrix, 2013 which will be followed onwards also by following rotational policy between male and female. (see **Annexures VIII and IX**)

The Board is obligated to follow rotational policy in reservation between male and female and amongst different categories so as to give proper representation to Fractional seats/odd category seats. It shall be responsibility of the Board to incorporate seat matrix in the CET Brochure which is to be followed in the forthcoming counselling together with all seat Matrices followed from 2013 onwards. The candidates are free to object if this policy is discarded by the Board because this will ensure transparency in the allotment of the seats.

**Note:**

1. The candidates are hereby informed that the Board has not authorised any of its officials to guide applicants while filling application form. A mistake committed by any applicant while filling of the application form may prove very costly and may even deprive him/her a berth which he/she may otherwise get. The candidates are advised to fill up their application form in presence of their parents / guardians and the Board will not be responsible for any mistake committed by them under any circumstances what so ever. Nor can the plea of the candidate that he/ she was misguided by the official of the Board will be accepted in any case what so ever and this holds true for counselling also which is to be conducted after the declaration of the result.
2. Where the information given by the candidate in the non scanable form is in conflict with the information given in the scanable form, the information given in the scanable form shall be treated as final as it is sent to the agency for further processing and no official in the Board has





access to that information. It is therefore in the interest of the applicant to check the application form meticulously before its submission to ensure that there is no discrepancy.

3. The use of fluid or whitener for erasing some information shall be presumed to have been done by the applicant or authorized by him and in no case shall be attributed to any official of the Board.
4. The category candidates should ensure that their reserved category certificate is issued by the designated authority and is attached with the application form strictly in accordance with the Guidelines given in the Brochure. All the category certificates issued/dated after October, 2005 must be issued under SRO 294. The certificates issued under earlier SRO shall be accepted if they are dated prior to October, 2005. The candidates should insist on the certificate issuing authority to make mention of SRO 294 in their certificates if they are issued after October, 2005.
5. The certificate that a category certificate is under process can in no case be accepted. A candidate must have valid category certificate at the time of submission of the form.
6. Where a category certificate has not been issued by the designated authority, the candidate will not be given an opportunity to validate it after the expiry of the last date for submission of the application form. No notice will be given to a candidate whose category certificate has been found invalid by the Board and such a candidate will be considered in open merit, if found otherwise eligible.
7. A certificate issued after the last date for submission of the application form is over will not be accepted
8. If a candidate feels aggrieved by any decisions of the Board official, he/ she is free to approach for redressal to the Secretary of Board who will be available on all working days in his office in the Board. No person in the Board is authorised to guide any applicant. The information furnished by the applicant in the application form shall be deemed to have been given by him/ her.
9. It has been observed that students often get confused with SC and OSC reserved categories and enter incorrect Code numbers in their application forms. It is hereby made clear that SC stands for Schedule Caste category and this certificate cannot be issued to Muslim candidates and OSC stands for Other Social Castes and this certificate can be issued to Muslim candidates also which has a different category Code than SC which is given in Brochure.
10. The information given in the form of numbers or alphabets in the OMR sheet must correspond with the information given in its Ovals as the machine reads Ovals and not the numbers or alphabets and in case of any conflict the information given in Ovals shall be treated as final. It is therefore in the interest of the applicant to check the OMR sheet meticulously before leaving the examination hall to ensure that there is no discrepancy and in case of any doubt, the assistance of the invigilating staff may be sought.
11. Limited number of seats are available in MBBS/ Indian System of Medicine, Physiotherapy in



private Professional Colleges which are allocated on merit to the children of Poor and Backward families whose annual income does not exceed Rs. 70,000/- (Seventy thousand only). Format of income Certificate is given at Annexure-II.

### Central Pool MBBS Seats

The Board is receiving Central Pool seats of varying numbers from different Ministries every year which have to be allotted in order of merit secured in the CET to the candidates falling in either of the following categories.

S. No.	Category	Documents required	Designated Authority	Authenticating authority
1	Children of Families where a parent or direct member of the family has been killed in acts of terrorism or has been an innocent victim in cross firing or in firing by armed forces in combating terrorism.	FIR, Death Certificate, Post Mortem Report and Affidavit that no other member of the family has got benefit of this category	SHO and Hospital Concerned Countersigned by SSP Concerned	Principal Secretary/Commissioner Secretary to Government Department of Home Affairs
2	Children of such persons who are exposed to substantive risk due to their assignment mainly related to combating acts of terrorism; added weightage is to be given to persons who have come in the hit list of terrorist organization	Certificate of threat perception Affidavit that no other member of his/her family has got benefit of this category	DIG (CID) on the basis of the report received through proper channel initiated by the SHO concerned after receiving application from the person claiming benefit of this category	Principal Secretary/Commissioner Secretary to Government Department of Home Affairs
3	Children of such families of both Muslims and non-Muslims who have migrated from Kashmir due to the current situation and have lost their means of livelihood including their business or use of their property.	Certificate of Migration, loss of property, Business and livelihood Affidavit that no other member of his/her family has got benefit of this category	Supporting documents for loss of Property (FIR etc) Migrant certificate from the Concerned Relief Commissioner	Principal Secretary/Commissioner Secretary to Government Department of Home Affairs

- I. The seats for the Central Pool in Medical / Dental Colleges outside the State will be notified separately and recommendation of the candidates for selection will depend upon the seats made available by the Government of India / Govt. of other States and will also be subject to such conditions as may be prescribed by the State/Centre Government.
- II. Selection of the candidates under Central Pool Category shall be made on the basis of merit secured in CET 2014 i. e only those candidates shall be considered for allotment of seats under Central Pool Category who have qualified CET -2014.





## 6. FEE STRUCTURE (Tentative)

The fee structure has been furnished by the respective college authorities and the Board is not in any way associated with it and has therefore no responsibility if the fee is raised subsequently. The candidates are advised to enquire in their own interest from the college authorities the actual fee to be charged.

### Note:

For BAMS, Jammu Institute of Ayurveda and Research, refundable security amount of Rs. 10,000.00 shall be deposited by the candidates only once for the full training course at the time of admission.

S. No.	Name of the courses	Name of the Institution	Free Seats (Govt. Seats)	Payment Seats	Seats of the children of P & B families
1.	MBBS	I) Govt. Medical College, Srinagar II) Govt. Medical College, Jammu III) Shree-e-Kashmir Institute of Medical Sciences, Soura, Srinagar IV) Acharya Shree Chandra College of Medical Sciences, Jammu	Rs. 10,000.00	Rs. 3,50,000.00 per annum	Rs. 30,000.00 per annum
2.	B.D.S	i) Govt. Dental College, Srinagar ii) Govt. Dental College, Jammu iii) Institute of Dental Science, Sehora, Jammu.	Rs. 10,000.00 per annum	Rs. 1,72,500.00 per annum	
3.	BAMS	Jammu Institute of Ayurveda and Research, Jammu		Rs. 82,500.00 Per annum	Rs. 10000.00 per annum
4.	BUMS	Kashmir Tibbia College Hospital & Research Centre, Tengpora, Srinagar		Rs. 72,000/- (including Rs. 20000/- Development fee)	Rs. 10000.00 per annum
5.	BUMS	Institute of Asian Medical Sciences, Zakura, Srinagar.		Rs. 72,000/- (including Rs. 20000/- Development fee)	Rs. 10000.00 per annum
6.	B.P.T	Jammu College of Physiotherapy		Rs. 40250.00 per annum	Rs. 10000.00 per annum
7.	B.E	i) GCET Jammu = For candidates of J&K Board of School Education = For candidates other than J&K Board of School Education ii) MIET, Jammu iii) SSM College of Engineering, Srinagar iv) MBS College of Engineering & Technology, Jammu	Rs. 2410.00 Rs. 2690.00 Nil Nil Nil	   Rs. 37000.00 Rs. 37000.00 Rs. 37000.00	



## 7. APPLICATION FORM

### I. How to Get

The application form along with information brochure can be obtained from the designated branches of J&K Bank on payment of Rs. 1200/- (Fee for online application is Rs. 1000/-). However, the application form along with information brochure can also be obtained against a Bank Draft of Rs. 1200/- drawn in favour of FA/CAO, BOPEE (payable at Jammu/ Srinagar) from the following Board Offices.

- a. BOPEE Office, Bhagat-i-Barzullah, Opp. J&K Bank, Srinagar-190005 from 10:00 am to 4:00 p.m (on all working days)
- b. BOPEE Office, 4th Floor, South Block, Bahu Plaza, Jammu-180012 from 10:00 am to 4:00 p.m. (on all working days)

The entrance examination fee is non-refundable. A candidate, who applies for appearing in the entrance test and later found ineligible, cannot claim refund of the fee paid by him/her. Fee once paid shall neither be refunded nor kept reserved for next session in any case. However, in exceptional cases, where the Board is satisfied on the basis of the documentary proof that applicant is an orphan or is living in abject poverty, the fee charged may be refunded if he/she fails to appear in the entrance test due to reason beyond his/her control.

### II. How to fill up the Application Forms

Candidates are advised to fill up the application form under the supervision of their parents/ guardians.

- a. There are two copies of Application Form:-
  - i. OMR application form scanable.
  - ii. Office copy of non-scanable application form along with filled sample application form.
- b. Application form should be filled carefully under the guidance of parents / guardians as shown in sample, in **BLOCK LETTERS** in English and by darkening the appropriate circles using black or blue ball point pen within the prescribed boxes. Candidates are advised to first fill the office copy of application form and finally scanable OMR application form.
- c. Incomplete application forms will be rejected. Besides, any overwriting, cutting or erasing in the application form will lead to rejection of the form and must, therefore, be avoided. Any error in evaluation arising on this account shall be the responsibility of the candidate.
- d. Candidate must write his/her name and father's name in capital letters as given in matriculation certificate issued by the Board of School Education and also darken the appropriate circles. Each letter should be filled in one box as shown below. One box should be kept blank between each part of the name. To avoid overwriting in the application form, the candidate must first rehearse by writing on a plain paper and ascertain the correctness of spellings.





Name of the Candidate (sample)

S	H	O	K	E	T		A	H	M	E	D		D	A	R	
---	---	---	---	---	---	--	---	---	---	---	---	--	---	---	---	--

Father's Name

A	B	D	U	L		R	A	S	H	I	D		D	A	R	
---	---	---	---	---	--	---	---	---	---	---	---	--	---	---	---	--

- e. Enter the date, month and year of birth as per English Calendar as recorded in the Matriculation Certificate. Use numerals 01 to 31 for the date, 01 to 12 for the month and last two digits for the year and darken the appropriate circles as shown below:

3<sup>rd</sup> of November, 1994

10<sup>th</sup> of February, 1991

0	3		1	1		9	4
---	---	--	---	---	--	---	---

1	0		0	2		9	1
---	---	--	---	---	--	---	---

- f. A candidate will be considered only for one reserved category for selection against the seats reserved for that category for which code has been recorded at relevant Serial No. of the application form even if he/she is eligible to be considered for seats available in more than one category. For example, if an applicant is a ward of a Police personnel (Code 17), and also hails from a Backward Area (Code 13) and belongs to Scheduled Caste too (Code 07) and he/she indicates Code. '07' at the relevant Serial No. of the application form, the candidate shall be considered for selection against the available seat for Scheduled Caste category only and his/her no other category will be considered.
- g. Where a candidate mentions category code 07 in the non scannable form and 17 on the scannable form, he/she shall be considered under category code 17 only and if this certificate is not attached with the form, the applicant will be considered in open merit if found otherwise eligible not with standing the fact that he/she is possessing valid certificate of category code 07 and its attested photocopy is also attached with the application form. At no stage option exercised in the application form for a seat under any category code will be changed.

### III. Certificates to be attached

Attested photostat copies of the following certificates must be attached with the non-scannable copy of the filled up application form strictly in the below given order:-

- Certificate of permanent residence.
- Marks certificate of the qualifying examination issued by the concerned Board (Where the result is awaited even after the last date for submission of the form expires, it may be submitted by or before the admit card is issued by the Board).



- c. Matriculation or equivalent examination certificate indicating Date of Birth.
- d. Certificate in respect of claim of belonging to any reserved category.

**Note:** No "Under Process Certificate" shall be entertained under any circumstances.

#### IV. How to Submit

- a. Filled in application form, complete in all respects, can be submitted personally in either of the offices of BOPEE, Bhagat-i-Barzullah, Opp. J&K Bank, Srinagar-190005 (Kashmir) from 10:00 A.M to 4:00 P.M or 4<sup>th</sup> Floor, South Block, Bahu Plaza, Jammu-1800012 from 10:00 A.M to 4:00 P.M against receipt (Acknowledgement Card) on or before the last date fixed for receipt of application Form. The application forms can also be sent through Registered / Speed Post but must reach within the last date prescribed for submitting application form.
- b. If an application form is sent through post and is lost in transit or does not reach the office of the BOPEE or reaches the office of the BOPEE after prescribed last date due to postal lapses/ delays, the Board shall not accept any responsibility for the same.
- c. The candidates are advised not to send the application forms through courier, as the same shall not be accepted.
- d. Once the application form is submitted, no alteration will be allowed thereafter.

#### V. Procedure for Online Application:

Candidates can also submit **online application forms** through BOPEE's website [www.jkbopee.org](http://www.jkbopee.org). However, such candidates shall also have to submit computer generated confirmation page personally or by post on time (Please see Home page of the website).

1. Please read the instructions and procedures carefully before you start filling up the form.
2. Application can be submitted online as per Notification.
3. Please note that the entries / options filled in by you in this form cannot be changed at later stage.
4. Please note that your name and date of birth are exactly the same as recorded in your Matriculation Certificate. Any deviation, whenever discovered, may lead to cancellation of your candidature.
5. After successful submission of online application form, a registration number along with confirmation page will be generated for your acknowledgement.
6. Candidate is advised to take print out of confirmation page and paste his/her two recent photographs (as given at point 7 below), sign in the specified box and send this confirmation page along with Demand Draft by Registered / Speed Post / By Hand (Not by courier) to the Controller of Examinations, The J&K Board of Professional Entrance





Examinations, 4<sup>th</sup> Floor South Block, Bahu Plaza, Jammu-180012 or Bhagat-i-Barzullah, Srinagar Opp. J&K Bank, , Srinagar-190005 for further processing so as to reach on time as per Notification. Application received after last date shall not be entertained.

7. Firmly affix two recent high contrast passport size photographs (Taken on or after 01-04-2014) with gum / fevicol (not to be pinned or stapled) in the space provided for it in the application form, one photograph duly attested by the Head of the institution where the candidate had studied or by a Gazetted Officer. The photograph must indicate clearly the name of the candidate along with the date of taking the photograph. It should be without cap or goggles, however, spectacles are allowed. The photograph of the candidate should be attested by the Principal/ Head of the institution or Gazetted Officer in such a way that part of the signature is on the application form. Attestation should be done on the bottom part of the photograph so that it is not defaced. Applications of the candidates that are not filled up as per these instructions or with unclear photograph shall be rejected. Candidates may keep two identical photographs reserved for use at the time of entrance examination / counselling/admission.
8. The candidates who wish to submit applications online are required to:-
  - a. attach all the required certificates / documents as mentioned in the information brochure with the confirmation page.
  - b. attach Demand Draft of Rs. 1000/- drawn in favour of FA/CAO, BOPEE, payable at Jammu/Srinagar.
  - c. mention his / her Registration No., name and address on the backside of the Demand Draft.
  - d. retain a photocopy of confirmation page for future reference.
  - e. retain a photocopy of the Demand Draft sent.

**Note:**

The processing of online applications shall begin only after receiving Confirmation Page and Demand Draft by BOPEE. The following steps should be followed for filling up online application form:

1. After reading the instructions and procedure, click the link on this page "Click here to proceed" to view the online application form.
2. At the end of the form, there is a "Submit Form" button. Click this button once only. It takes time for the computer to process the information. On pressing "Submit Form" button the information you have provided shall be taken into BOPEE system. If you do not provide required information, the system shall return the form to you, prompting you to fill in the same.
3. After successful validation, an intermediate page containing all information will be



shown for review. If you like to change any information entered, you may do so by pressing 'BACK' button. After making necessary correction please press 'Submit' button for final submission.

## 8. ADMIT CARD

- I. No candidate shall be allowed to enter examination hall / venue without valid admit card in original issued by the BOPEE.
- II. Admit card will be issued to only eligible candidates. Mere possession of admit card shall not ipso facto confer eligibility on a candidate who is otherwise not eligible for appearing in entrance examination.
- III. Admit card is an extremely important document. It should not be mutilated, defaced or changed in any form.
- IV. Candidates shall have to collect their admit cards from the respective offices of the BOPEE located at Srinagar / Jammu, prior to the date of the entrance examination. The dates for issuing admit card shall be announced by a separate notification to be published in two leading English newspapers of the State. No separate intimation shall be sent to candidates individually for collection of admit card. The candidates who fail to collect their Admit cards on the dates fixed will have to pay **late fee of Rs. 750** in the form of Bank Draft in favour of FA/CAO, BOPEE.
- V. Candidate shall have to preserve admit card till the allotment of seats/ completion of selection process as the same is also required by the candidates recommended for admission while reporting to the allotted colleges.
- VI. Duplicate admit card shall be issued after the payment of Rs. 750/= in the form of demand draft in favour of FA/CAO, BOPEE.

## 9. CONDUCT OF ENTRANCE EXAMINATION

Entrance examination shall consist of three (3) papers of objective type questions for each group (PCB or PCM group). Each paper will have 75 questions, each of one mark. There will be **0.2 negative mark** for each wrong answer. Subject combination, total marks for each paper and time duration are as follows:

Name of the Stream	Number of papers	Subjects	Marks	Time Duration
PCB	Three	Physics, Chemistry & Biology	75 each	1½ Hours each
PCM	Three	Physics, Chemistry & Mathematics	75 each	1½ Hours each





### I. Centres of Examination

- a. The Entrance Test shall be held at the centres as may be notified by the Board in the cities of Srinagar and Jammu only.
- b. Centres shall be allotted by the BOPEE and the information regarding this shall be provided to the candidates on the admit card.
- c. The centre of examination once allotted shall not be changed under any circumstances.
- d. The candidate(s) who has missed first paper can appear in remaining paper(s) if he/she so wishes.

### II. Nature of OMR Answer Sheet (Annexure II)

- a. It shall be the sole responsibility of the candidate to check the question booklet before attempting to answer any question. Where a question booklet has any missing page, blank page, missed question or damaged or defaced page, it shall be the responsibility of the concerned candidate to bring it into the notice of the concerned invigilator and get it replaced by a new booklet of the same series. The question booklet must have 75 questions. No complaint in this regard shall be entertained by the Board after the conclusion of the examination.
- b. The OMR sheets (Optical Mark Reader Answer Sheets) are used in order to simplify the procedure of evaluation of the answer sheets and also to ensure highest accuracy. Each circle on the OMR sheet has an alphabetical or numerical values. So a small mistake in shading the round spot on the circle may turn into a big mistake. Each OMR answer sheet has candidate's carbonless copy alongwith it. The candidates are advised to separate the candidate's copy (carbonless) as per procedure given in the answer sheet and take it along after the completion of paper. The candidates are advised to preserve carbonless copy till the counselling for the admission is over. They may be asked to produce carbonless copy of OMR sheet at any time, so it is in their interest not to destroy it.
- c. The OMR sheets will be supplied to the candidates in the examination hall.
- d. There are few blanks in the OMR answer sheet, which are to be filled in carefully.
- e. Write question booklet number, booklet series, paper code and roll number in numerical and also darken the appropriate circles. In case of any difficulty, seek the assistance of the invigilating team.
- f. Write the given certification statement in your running handwriting in English and append your signature and left hand thumb impression at the space provided for the purpose on your OMR sheet. This certificate is to be authenticated by the invigilator and superintendent of the examination centre.
- g. Complete the formalities and wait for the signal to start, tear and open the seal, open the question booklet, start reading and answering the questions.



- h. Recording wrong Roll No. or question paper series or its omission on response by darkening the appropriate circle completely with black or blue ball point pen on the answer in the OMR answer sheet shall be done by the candidate at his/her own risk. The Board shall, in no case, entertain any complaint of the candidate regarding this.
- i. Each question will be provided with four responses as (1), (2), (3), and (4); of which only one is most appropriate answer. Indicate the most appropriate answer in the OMR sheet answer.
- j. In case you do not follow the instructions given on the back side of answer sheet, your answer sheet is likely to be rejected whenever detected.

**For Example Q. 11**

Chennai is the capital of the State of:

- 1. Karnataka                      2. Tamil Nadu
- 3. Kerala                        4. Andhra Pradesh

The correct response is (2). Locate the question number in the OMR Answer Sheet and darken the circle under column (2) as shown below:

Ensure that the circle is completely darkened. Incomplete or faintly darkened circle will be rejected by the Optical Scanner and consequently no marks/negative mark will be awarded for the same.

If more than one circle is darkened or if the response is marked in any other manner as shown at "B" it shall be treated as wrong. Even where a candidate finds two options correct, he/ she should darken only one circle and shading of both the options will make answer incorrect.

**A**

10	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
11	<input type="radio"/> 1	<input checked="" type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
12	<input checked="" type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
13	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input checked="" type="radio"/> 4

**Correct way of answering**

**B**

27	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/> 3	<input checked="" type="radio"/>
28	<input type="radio"/>	<input type="radio"/> 2	<input checked="" type="radio"/>	<input type="radio"/>
29	<input type="radio"/>	<input type="radio"/> 2	<input type="radio"/>	<input type="radio"/>
30	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> X	<input type="radio"/>
31	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

**Incorrect way of answering**





- k. In case the candidate does not follow the instruction given on the answer sheet, his/her answer sheet is likely to be rejected whenever detected.

## 10. TIME SCHEDULE FOR THE CANDIDATES IN THE EXAMINATION HALL

Morning Session	Evening Session	Work Schedule
09:55 A.M.	12:55 P.M.	Reporting time in the Examination Hall
10:00 A.M.	1:00 P.M.	The invigilator shall ascertain the identity of each candidate by comparing his/her facial appearance with the photographs given on the admit card, and attendance sheet. The centre Superintendent shall also check the identity of the candidates and ensure that only the genuine candidates have been allowed to sit in the examination hall and there is no case of impersonation.
10:15 A.M.	1:15 P.M.	Candidates will be given OMR answer sheets. They will go through instructions on the answer sheet.
10:25 A.M.	1:25 P.M.	They will be given question booklet. The question booklet number is to be entered on the answer sheet.
10:30 A.M.	1:30 P.M.	They will break open the seal of the question booklet and start attempting the questions.
12 Noon	3:00 P.M.	Paper-I & II End respectively The candidates will remain in their seats till they hand over the answer sheets to the invigilator and leave the examination hall only when they are asked to do so.

**Note:** After distribution of answer sheets, no candidate shall be allowed to go out of the examination hall under any circumstances.

## 11. DETERMINATION OF MERIT

- I The merit list for each course shall be prepared on the basis of inter-se merit of the candidates in the CET 2014 in the descending order for Open Merit Category and for each Reserved Category separately.
- II The following qualifying marks are required for admission to MBBS course as per the J&K Reservation Rules.
  - a. 50% marks in entrance test for open merit and Poor & Backward candidates.
  - b. 40% marks in entrance test in respect of reserved category candidates.
- III Any subsequent vacancy caused by whatsoever reason in any category, shall be filled from amongst the candidates of that particular category strictly according to merit. In the event of non-availability of eligible candidates from that reserved category, the relevant vacancies shall go to the open merit category.



- IV In case two or more candidates obtain equal merit, the inter-se-merit of such candidates shall be determined as per preference shown by them in the application form as under:
- a. MBBS / BDS / BAMS / BUMS / Physiotherapy / allied courses.
    - i). Candidates obtaining higher marks in Biology.
    - ii). Candidates obtaining higher marks in Biology and Chemistry in aggregate, if marks in Biology are equal.
    - iii). Candidates older in age to be preferred if points as per (1) and (2) are equal.
  - b. B.E. Courses
    - i). Candidates obtaining higher marks in Mathematics.
    - ii). Candidates obtaining higher marks in Mathematics and Physics, if marks in Mathematics are equal.
    - iii). Candidates older in age to be preferred if points as per (1) and (2) are equal
- V The whole admission process of different courses on the basis of CET has to be concluded within the prescribed time laid down by the Hon'ble Supreme Court and other regulating bodies. The students can make representation, if any, against any question in the question paper on the prescribed format within a period of two working days upto 4 pm after the conclusion of examination i.e if the examination is over on 4<sup>th</sup> date of a particular month, the representations shall be received upto 4 p.m of 6<sup>th</sup> date of that month, provided 5<sup>th</sup> and 6<sup>th</sup> are working days. If for instance, 6<sup>th</sup> is a holiday, then representations shall be received upto 7<sup>th</sup> date of that month. No representation after the stipulated date shall be accepted because that will delay declaration of result and completion of admission process. The candidates interested in making representation should not wait for separate notification for this purpose and this information shall be deemed as notice to all the concerned candidates. The candidates must obtain a proper receipt in which number of questions represented against, the name of the subject and series will be prominently mentioned. No claim of the candidates will be entertained on this count if he/she is not having receipt of the Board with signature and seal.
- VI The Board shall make available the answer key on its website at about 6 pm on the conclusion of last meeting of the examination for students to make representation within two days time
- VII The representations shall be consolidated by the Board and will be re-examined by subject experts whose opinion will be final.
- VIII The revised key will be uploaded on the website for general information but no representation will be entertained against revised key so that whole admission process is





completed within the prescribed time scheduled and does not protract endlessly. The revised key will be applied for evaluation of all the answer sheets including answer sheets of those candidates who have not made any representation.

- IX Where a question has ambiguous language which admits more than one answer or has two answers, both the answers shall be considered correct and the student attempting either of the two answers will be given a mark.
- X Where none of the options given to a question is correct, the question will not be considered and one mark will be given to all the candidates whether they have attempted this question or not.
- XI The evaluation of the answer sheet is done mechanically so there is no chance of any mistake. The result declared by the machine shall be final and not open to any manual check. The students make faint marks or ambiguous impressions or incomplete marks on the OMR Sheet. These OMR Sheets will be scanned by the machine and the decision of the machine will be final and not subject to any manual check. It is therefore in the interest of the candidates to fill up OMR sheet carefully as shown in this Brochure. The re-evaluation of the answer sheets manually therefore or otherwise is not allowed as that will impinge upon the rule of equality which calls for a uniform treatment given to rest of the students. However, Re-totaling of marks will be allowed on written request along with a bank draft of Rs. 1000/- per subject in favour of FA/CAO, BOPEE, payable at Jammu / Srinagar. The application will be received within 07 (seven) days after the declaration of result. Any application received after this date shall not be entertained.

## **12. DECLARATION OF RESULT**

The declaration of credible result free from errors is possible only when the persons involved with processing and evaluation of the OMR sheets get minimum required time. The students are advised to remain patient as the result will be declared only after all the representations, if any, are examined by the experts whose decision will be then final.

## **13. COUNSELLING FOR ALLOTMENT OF DISCIPLINE/INSTITUTION**

The candidates take counselling very lightly and do not join the allotted streams / Institutions of their choice exercised by them during counselling which leads to repeated rounds of counselling, thus delaying the admission process abnormally. Hence, they are advised to participate in counselling process seriously.

- I. Counselling is an extremely important component in the process of selection which



affords the candidates an opportunity of indicating their choices/ preferences about allotment of disciplines / institutions. The candidates should make a realistic assessment of the streams they are likely to get and should exercise options accordingly during counselling on the option form (Annexure-VI). The candidates must come for counselling along with all documents in original, a set of attested copies of all documents given above at 7(III), admit card issued by BOPEE and a bank draft of Rs. 1000/- (non refundable) in favour of FA/CAO, BOPEE. However, in exceptional cases, where the Board is satisfied on the basis of documentary proof that the applicant is an orphan or is living in an abject poverty, the fee charged may be refunded if he/she fails to take admission due to some unavoidable reasons beyond his/her control.

- ii. Where a candidate decides in the counselling hall to withdraw his/her counselling form, he /she is entitled to refund of full amount of rupees 1000 but not the late fee which he/she may have paid due to missed admission or missed counselling. Withdrawal from counselling is allowed only from first round of counselling.
- iii. The candidates should indicate clearly multiple choices of disciplines / institutions in the counselling form which they want to join in order of preference. For example, if a candidate indicates his options in the following manner:
  - a) MBBS-GMC Jammu
  - b) BDS, GDC Jammu
  - c) MBBS- GMC Srinagar
  - d) MBBS- SKIMS, Srinagar
  - e) BDS, GDC Srinagar
  - f) MBBS- ASCOMS, Jammu
  - g) Such a candidate will first be considered for allotment of MBBS - GMC-Jammu. If on merit, the candidate does not qualify for allotment of such a seat, he/she can then be considered for allotment of BDS at GDC-Jammu, then allotment of MBBS in GMC, Srinagar, then MBBS- SKIMS, Srinagar, then BDS in GDC Srinagar, then MBBS in ASCOMS.
- iv. The selection will be recommended strictly on the basis of merit of eligible candidates determined by rank obtained in the entrance examination. Allotment of streams / institutions shall be made through counselling. The candidates will be called for counselling one after another in order of rank for allotment of discipline / institution. Rank wise counselling schedule will be published in two leading English newspapers of the State three days prior to the date of commencement of the counselling process. No





separate intimation will be sent to individual candidates for appearing in counselling sessions. However, this process is subject to change which the Board may deem fit.

- v. The candidates have to appear personally for counselling and will be required to bring with them admit cards, bank draft and documents as already stated at point i above. If, however, for some unavoidable reasons it is not possible for a candidate to appear personally, he / she may send his / her duly authorised representative with admit card, bank draft, documents, undertaking and authority letter to the effect that allotment made on the basis of choices indicated by such representative shall be binding on him/ her. Formats of an undertaking and authority letter are given in Annexure-V.
- vi. Where a candidate or his/her representative fails to appear for counselling on the specified date but intends to appear on next date or any date during subsequent notified counselling schedule, he/she will be allowed for such counselling after he/she furnishes satisfactory justification in writing for such a failure along with a Bank Draft of Rs. 1750/- (non refundable) (Rs. 1000/- for counselling and for 750 for failure to attend earlier counselling) drawn in favour of FA/CAO, BOPEE Srinagar/ Jammu and he/she will be considered for the allotment of course/stream/institution available at that point of time on merit. Such candidate shall be required to furnish an undertaking to the effect that he/she voluntarily accepts the available stream/ institution at the time of his/her turn of counselling.
- vii. Where a candidate fails to complete admission formalities within the stipulated time but intends to appear on any date during subsequent notified date of counselling he/she will be allowed for such counselling after he/she furnishes satisfactory justification in writing for such a failure along with a Bank Draft of Rs. 1750/- (non refundable) drawn in favour of FA/CAO, BOPEE Srinagar/ Jammu and he/she will be considered for the allotment of course/stream/institution available at that point of time on merit. Such candidate shall be required to furnish an undertaking to the effect that they voluntarily accept the available stream/ institution at that time of his/her turn of counselling.
- viii. Where a candidate has been kept in the waiting list but his/her seat is not confirmed, he/she is entitled to refund of counselling fee of Rs 1000.
- ix. Where a candidate or his authorised representative fails to appear for counselling during the entire notified period of counseling schedule, he/ she will forfeit all claims for admission and shall not be considered for allotment of seat/ stream under any circumstances after the counselling process is over.
- x. Candidates shall have to join the course after allotment of streams/ institutions within the specified time period. Where a candidate does not join the course within the



stipulated time period, his/her seat shall automatically stand cancelled and the same shall be filled up as a vacant seat.

- xi. The short fall, if any, of the students received by the Board from different colleges after first round of counselling shall be filled up in another round of counselling as per the merit and availability of seat.
- xii. Where a candidate fails to join the course/ Institution allotted to him/her in second round of counselling, the seat allotted to him/her will get automatically cancelled and will be allotted to another candidate as per his/her merit.
- xiii. The residual seats, which will become available after second round of counselling will be allotted in the third round and so on.
- xiv. Where the number of the candidates who turn up for counselling is more than the seats available, then a waiting list will be prepared. The waiting list will operate after receiving a list of vacant seats from respective colleges.
- xv. The candidates may be kept in the waiting list and the number of the candidates to be kept in the waiting list will be decided by the Board on spot. This whole process is subject to change whenever the Board deems proper.
- xvi. The number of the candidates to be called for counselling will be decided by the Board keeping in view the response of the candidates.
- xvii. The decision of the Board concerning allotment of streams and institutions shall be final. Choices of streams / institutions once exercised shall not be allowed to be changed subsequently.
- xviii. Admission to MBBS / BDS courses shall be completed by 30<sup>th</sup> September 2014 and for BAMS/ BUMS and B. P. T. courses the admission process will close on 31<sup>st</sup> October 2014. In case of engineering courses, the admission process will close on August 15, 2014. Thereafter, no admission will be made to any of these courses even if some seats remain vacant.
- xix. The number of candidates to be called for counselling for left over vacant seats including reserved category seats will be the discretion of the Board and will depend upon the response of the candidates.

**Note:**

- 1. The candidate who does not get seat of his/her choice at his/her turn of counselling shall be placed in the waiting list if he/she so indicates in the counselling form. The waiting list will operate immediately after the expiry of the last date mentioned in the selection list and after receiving short fall from the colleges. The candidates in the





waiting list shall have to report in the college in which they figure. Their reporting time is 10 am to 1 pm and there after the college authorities shall operate the waiting list strictly according to the merit. If the candidate with higher merit fails to report within the stipulated time, he/she forfeits his/her right of admission. However, this process is subject to change which the Board deems proper.

2. It is quite possible that a candidate may not find seat of his/her choice available at the time of his /her turn in second round of counselling but may become vacant subsequently. It is therefore in the interest of the candidates to remain available outside counselling room and keep watching monitor on which seat matrix is constantly updated. As and when seat of choice becomes available to such candidate, he/ she should immediately report in the counselling hall. The interested candidates are also advised to visit every evening or next day in the morning (during counselling days) website of BOPPE where latest seat matrix is displayed. This holds true for already counselled students who may find seat of their choice available and may get that because of their higher merit for which they shall have to report early in the next morning at 10 am so that such candidates can be considered in order of merit before the counselling starts for fresh candidates.

#### **Important Instruction:**

Every effort will be made to ensure that the candidate with higher merit gets seat of his/ her choice if available. However, this is possible only when every student reports in time and follows instructions scrupulously failing which the student who reports in time but is with lower merit may get seat more in demand than the candidate with higher merit who does not report in time for which Board will not be in any way responsible.

## **14. SYLLABUS**

### ***SYLLABI FOR COMMON ENTRANCE TEST 2014***

## **PHYSICS**

### **UNIT 1: PHYSICAL WORLD AND MEASUREMENT**

**(Marks: 02)**

Physics – scope and excitement, society and technology, S I units, Fundamental and derived units.



Accuracy and precision of measuring instruments, Errors in measurement, Significant figures. Dimensions of Physical quantities, dimensional analysis and its applications.

**UNIT 2: KINEMATICS****(Marks: 04)**

Motion in a straight line: Position-time graph, speed and velocity. Elementary concepts of differentiation and integration for describing motion. Uniform and non-uniform motion, average speed and instantaneous velocity. Uniformly accelerated motion, velocity-time graph, position-time graphs, relations for uniformly accelerated motion, (graphical treatment and calculus approach). Scalar and Vector quantities, addition and Subtraction of vectors, general Vector and notation, Relative Velocity. Scalar and Vector products of two vectors with properties, Unit Vector, Resolution of a Vector in plane rectangular components, Motion in a plane, Projectile Motion, cases of Uniform velocity and uniform acceleration.

**UNIT 3: LAWS OF MOTION****(Marks: 03)**

Concept of force and Inertia, Newton's First Law of motion; Momentum and Newton's Second Law of motion, Impulse; Newton's Third Law of motion. Law of conservation of linear momentum and its applications, Equilibrium of concurrent forces. Friction, static and kinetic friction, laws of friction, rolling friction.

Dynamics of uniform circular motion: Centripetal force and examples of circular motion (vehicle on level circular road, vehicle on banked road.)

**UNIT 4: WORK, ENERGY AND POWER****(Marks: 03)**

Concept of scalar products of vectors, Work done by a constant force and variable force; kinetic energy, work energy theorem, power. Potential energy, Potential energy of spring, conservative forces, conservation of mechanical energy (K.E. and P.E.), non-conservative forces; Elastic and inelastic collisions in one and two dimensions.

**UNIT 5: MOTION OF SYSTEM OF PARTICLES AND RIGID BODY****(Marks: 03)**

Centre of mass of a two-particle system, Centre of mass of a rigid body; Concepts of vector product of





vectors: moment of a force, torque, angular momentum, conservation of angular momentum with some examples. Moment of inertia, radius of gyration. Values of moment of inertia for simple geometric objects (no derivation), statement of parallel and perpendicular axes theorems and their applications. Rigid body rotation and equations of rotational motion.

#### **UNIT 6: GRAVITATION**

**(Marks: 03)**

The universal law of gravitation. Acceleration due to gravity and its variation with altitude, depth and shape, Kepler's laws of planetary motion. Gravitational potential; gravitational potential energy. Escape velocity. Orbital velocity of satellite. Geo-stationary satellites.

#### **UNIT 7: PROPERTIES OF BULK MATTER**

**(Marks: 03)**

Elastic behavior, Stress-strain relationship. Hooke's Law, Young's modulus, bulk modulus, shear modulus of rigidity. Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes) Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, Reynolds number. Bernoulli's theorem and its applications Surface energy and surface tension, angle of contact, applications of surface tension – ideas to drops, bubbles and capillary rise. Heat, temperature, thermal expansion; specific heat, calorimetry; change of state-latent heat. Heat transfer-conduction, convection and radiation, Newton's law of cooling.

#### **UNIT 8: THERMODYNAMICS**

**(Marks: 02)**

Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), Heat work and internal energy. First law of thermodynamics. Second law of thermodynamics: reversible and irreversible processes. Heat engines and refrigerators (concept only)

#### **UNIT 9: BEHAVIOUR OF PERFECT GAS AND KINETIC THEORY**

**(Marks: 03)**

Equation of state of a perfect gas, work done on compressing a gas. Kinetic theory of gases – assumptions, concept of pressure. Kinetic energy and temperature: rms speed of gas molecules; Degrees of freedom, Law of equipartition of energy (Statement only) and applications to specific heat capacities of gases; concept of Mean free path, Avagadro's number.



**UNIT 10: OSCILLATIONS AND WAVES****(Marks: 05)**

Periodic motion – Period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion (S.H.M.) and its equation; phase; oscillations of a spring-restoring force and force constant; energy in S.H.M. – kinetic and potential energies; Simple pendulum-derivation of expression for its time period; Free, forced and damped oscillations, resonance. Wave motion. Longitudinal and transverse waves, speed of a wave. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves, Standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.

**UNIT 11: ELECTROSTATICS****(Marks: 05)**

Electric charges: Conservation of charge, Coulomb's law-forces between two point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field: Electric field due to a point charge, Electric field lines, Electric dipole, Electric field due to a dipole, Torque on a dipole in uniform electric field. Electric flux, Statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). Electric potential, electric potential due to a point charge, a dipole and system of charges; Equipotential surfaces, Electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. Conductors and insulators, Dielectrics and electric polarization, capacitor and capacitance, combination of capacitors in series and in parallel, capacitance of parallel plate capacitor with and without dielectric medium between the plates, Energy stored in a capacitor. Van de Graff generator.

**UNIT 12: CURRENT ELECTRICITY****(Marks: 05)**

Electric current, Drift velocity, Ohm's law, Electrical resistance, V-I characteristics (linear & non-linear), Electrical energy and power, Electrical resistivity and conductivity, Carbon resistors, Colour code for carbon resistors; Temperature dependence of resistance. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoff's laws and their applications. Wheatstone bridge, Metre bridge. Potentiometer – principle and its application to measure the potential difference and for comparing e.m.f. of two cells; measurement of internal resistance of a cell.





### **UNIT 13: MAGNETIC EFFECTS OF CURRENT AND MAGNETISM**

**(Marks: 05)**

Biot – Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long current carrying straight wire, straight and toroidal solenoids. Force on moving charge in uniform magnetic and electric fields. Cyclotron. Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere. Torque experienced by a current loop in uniform magnetic field; Moving coil galvanometer, its current sensitivity and conversion with examples. Current loop as a magnetic dipole and its magnetic dipole moment, magnetic field lines; Earth's magnetic field and magnetic elements. Para-, dia- and ferro-magnetic substances with examples. Electromagnets and factors affecting their strength, permanent magnets.

### **UNIT 14: ELECTROMAGNETIC INDUCTION AND ALT. CURRENTS**

**(Marks: 05)**

Electromagnetic induction: Faraday's law, induced emf and current; Lenz's Law. Eddy currents. Self and mutual inductance. Alternating currents, peak and rms value of alternating current/voltage; reactance and impedance; LC oscillations (qualitative treatment only) & LCR circuits series, resonance; power in AC circuits, wattless current. AC generators and transformer.

### **UNIT 15: ELECTROMAGNETIC WAVES**

**(Marks: 02)**

Electromagnetic waves and their characteristics. Transverse nature of electromagnetic waves. Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, Xrays, gamma rays) including elementary facts about their uses.

### **UNIT 16: OPTICS**

**(Marks: 09)**

Ray optics-Reflection of light, spherical mirrors, mirror formula, refraction of light-Total internal reflection and its applications, Refraction at spherical surfaces, lenses, thin lens formula, Lens-makers Formula, Magnification, Power of a Lens. Combination of thin lenses in contact, Microscope and Astronomical Telescope (reflecting and refracting) and their magnifying powers. Wave optics: wave front and Huygens' principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proofs of laws of reflection and refraction using Huygen's principle. Interferences, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light. Diffraction due to a single slit, width of central maximum. Resolving power of microscopes and



astronomical telescopes, Polarisation, plane polarized light; Brewster's law, uses of plane polarized light and Polaroid's.

**UNIT 17: DUAL NATURE OF MATTER AND RADIATION****(Marks: 02)**

Dual nature of radiation. Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation; particle nature of light. Matter waves-wave nature of particle, de Broglie relation. Davission-Germer experiment.

**UNIT 18: ATOMS AND NUCLEI****(Marks: 04)**

Alpha-particle scattering experiment; Rutherford's model of atom; Bohr's model of atom, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones. Radioactivity-alpha, beta and gamma particles/rays and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion.

**UNIT 19: ELECTRONIC DEVICES****(Marks: 04)**

Quantitative ideas on Energy bands in solids, conductors, insulators and semiconductors. Semiconductors; Semiconductor diode: I-V characteristics in forward and reverse bias; diode as a rectifier; I-V characteristics of LED, photodiode, solar cell and Zener diode; Zener diode as a voltage regulator. Junction transistor and its action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. Logic gates (OR, AND, NOT) concept of NAND and NOR gates. Transistor as a switch.

**UNIT 20: COMMUNICATION SYSTEM****(Marks: 03)**

Basic elements of communication system (block diagram only), Bandwidth of signals (speech, TV and digital data); Bandwidth of Transmission medium, Propagation of electromagnetic waves in the atmosphere, sky and space wave propagation. Need for modulation: Production and detection of an amplitude modulated wave.





# CHEMISTRY

## UNIT 1: CHEMICAL ARITHMETIC & ATOMIC STRUCTURE

(Marks: 06)

Laws of chemical combination, Mole concept (numericals) Percentage composition Empirical and Molecular formulae, Chemical reactions, Stoichiometry and calculations based on stoichiometry.

Atomic structure:- Bohr's model of Hydrogen atom, Quantum numbers, Pauli's exclusion principle, Hund's rule and Aufbau principle. Heisenberg's uncertainty principle, de-Broglie wave equation and its significance.

## UNIT 2: CHEMICAL EQUILIBRIUM

(Marks: 05)

Law of mass action, Le-Chatelier's principle, and its application to physical and chemical equilibria. Ionisation of weak electrolytes (Ostwald's dilution law)

Acids and bases: Acid base equilibria. Bronsted-Lowry and Lewis concept, of acids and bases. Ionic product of water. pH and pOH scales,  $pK_a$  &  $pK_b$  values, Solubility product, Buffer solutions Common ion effect, Hydrolysis of salts

## UNIT 3: CHEMICAL KINETICS

(Marks: 02)

Rate of chemical reaction, Average and instantaneous rate, Factors effecting rate of reaction, Order and molecularity of reaction, Integrated rate equation and Half-life period (for zero and first order) reaction, Activation energy and Arrhenius equation.

## UNIT 4: SOLUTIONS

(Marks: 04)

Different ways of expressing the concentration of solutions (molarity, molality, mole fraction, ppm and normality), Vapour pressure, Raoult's law, Ideal and Non-ideal solutions, Colligative properties.

Determination of molecular mass of non-volatile solutes through colligative properties.

Abnormal molecular masses and Van't Hoff Factor.



**UNIT 5: CHEMICAL THERMODYNAMICS****(Marks: 04)**

Energy changes taking place during chemical reactions, Internal Energy and Enthalpy changes, Enthalpy of combustion, Solution and Neutralization.

Hess's Law (Numerical problems) Laws of thermodynamics-first, second & third, Concepts of Entropy and Free energy, Spontaneity of a chemical reaction and Thermodynamic equilibrium.

**UNIT 6: REDOX REACTIONS AND ELECTROCHEMISTRY****(Marks: 04)**

Determination of oxidation numbers, oxidation and reduction in terms of electron transfer, dependence of electrode and cell potential on concentration (Nernst Equation), Electrode potential as a criteria for product formation in electrolysis. E.M.F. of Galvanic cell, Relationship between free energy change and E.M.F. of a cell. Definition and units of Equivalent, Molar and Specific conductivity.

**UNIT 7: SOLID STATE & STATES OF MATTER****(Marks: 03)**

Boyle's Law, Charle's law, Dalton's law of partial pressure, Graham's law of diffusion of gases.

Causes of deviation from ideal behaviour, ideal gas equation and nature of 'R', Vander Waal's equation, surface tension and viscosity of liquids.

Crystalline and amorphous solids, Crystal lattice, Crystal types, Packing efficiency, calculation of density of unit cell, Number of atoms per unit cell in a cubic cell. Co-ordination number, Stoichiometric defects: Schottky, Frenkel and interstitial.

Properties of solids: Electrical, Magnetic & Dielectric.

**UNIT 8: SURFACE CHEMISTRY****(Marks: 02)**

Freundlich absorption isotherm, preparation of colloidal solutions by physical and chemical methods, electrical properties (cataphoresis, electroosmosis, coagulation and protective colloids) Homogeneous and Heterogeneous Catalysis.

**UNIT 9: PERIODIC PROPERTIES****(Marks: 02)**

Classification of elements as s, p, d, and f block elements. Variation of Ionization energy, Electron





affinity, Electronegativity, Atomic and Ionic radii along the period and down the group in the periodic table.

#### UNIT 10: CHEMICAL BONDING AND MOLECULAR STRUCTURE

(Marks: 04)

Types of chemical bonds, Ionic & covalent bonds, Bond parameters, Quantum theory of covalent bond, pi and sigma bonds, Hybridization involving s, p and d-orbitals, Dipole moments and hydrogen bond.

VSEPR: Shapes of simple molecules ( $\text{H}_2\text{O}$ ,  $\text{NH}_3$ ,  $\text{SO}_2$ ,  $\text{CO}_2$ ,  $\text{PCl}_3$ ,  $\text{PCl}_5$ ,  $\text{ClF}_3$ ,  $\text{BF}_3$ ,  $\text{SF}_6$ ,  $\text{XeF}_2$ ,  $\text{XeF}_4$ ).

Molecular orbital theory: Energy Levels and M.O. diagrams of  $\text{H}_2$ ,  $\text{H}_2^+$ ,  $\text{He}_2$ ,  $\text{O}_2$ ,  $\text{O}_2^+$ ,  $\text{O}_2^-$ ,  $\text{O}_2^{2-}$  &  $\text{F}_2$ .

Bond order and its significance.

#### UNIT 11: CHEMISTRY OF REPRESENTATIVE ELEMENTS

(Marks: 05)

**S and P Block Elements:** Electron configuration, Oxidation states and trends in various properties like ionization energy, electron affinity, atomic radii, electronegativity and diagonal relationship.

**Alkali metals:** Hydration of ions, action with ammonia, flame colouration, solubility of hydroxides, carbonates and sulphates.

**Alkaline Earth Metals:** Solubility of carbonates, hydroxides and sulphates.

**Boron Family:** Structure of halides, relative acid strength of trihalides of boron.

**Carbon family:** Hydrides and oxides.

**Nitrogen family:** Oxides of Nitrogen and Phosphorous, reducing nature, basic strength and boiling points of their halides.

**Oxygen family:** volatility, thermal stability, acid character, reducing character and bond angles of their hydrides, oxyacids of sulphur.

**Halogen family:** Bond energy, colour and oxidizing power, boiling point, acid strength and dipole moment, thermal stability, reducing power of hydrides, relative acidity and oxidizing power of oxyacids of halogens.

#### UNIT 12: TRANSITION ELEMENTS INCLUDING LANTHANOIDES

(Marks: 04)

Electron configuration, Oxidation states, Colour, and Magnetic properties.



Oxides of Vanadium, Chromium and Manganese Alloys of Copper, Silver and Iron.

Metallurgy of Iron, Copper and Zinc.

**UNIT 13: CO-ORDINATION CHEMISTRY**

**(Marks: 05)**

Introduction, Ligands, Co-ordination Number, IUPAC Nomenclature.

Bonding theories: Werner's, VBT and CFT.

Isomerism in Co-ordination compounds (Ionization, Linkage, Hydrate, Geometrical and Optical).

Applications of Co-ordination complexes in Biology, Medicine and Analytical Chemistry.

**UNIT 14: NOMENCLATURE AND BASIC CONCEPTS IN THE ORGANIC CHEMISTRY (Marks: 04)**

Nomenclature of organic compounds (monofunctional and polyfunctional groups), inductive, electromeric resonance and hyperconjugation effects, reaction intermediates, carbocations, carbanions and free radicals with their general stability order, types of organic reactions (addition, substitution, elimination and redox reactions), aromaticity on the basis of Huckel rule. Ortho, meta and para directing groups.

**UNIT 15: HYDROCARBONS**

**(Marks: 04)**

Structural isomerism in alkanes, alkenes, alkynes and arenes, stereoisomerism: geometrical and optical isomerism, chirality, origin of chirality, specific rotation, racemisation and resolution, conformations in ethane and cyclohexane, relative configuration (D,L-Nomenclature), absolute (R and S system of nomenclature). Reactions of hydrocarbons: Addition, Substitution and Oxidation reactions, electrophiles and nucleophiles; acidic character of alkynes.

**UNIT 16: ORGANIC CHEMISTRY BASED ON FUNCTIONAL GROUP-I**

**(Marks: 04)**

Haloalkanes, haloarenes, alcohols and phenols: General methods of preparation and properties. Chloroform and Iodoform.



**UNIT 17: ORGANIC CHEMISTRY BASED ON FUNCTION GROUP-II****(Marks: 04)**

Ethers, Aldehydes, Ketones, Monocarboxylic acids: General methods of preparation and properties. Derivatives of monocarboxylic acids like acid halides, acid anhydrides acid amides and esters, relative strength of carboxylic acids

**UNIT 18: ORGANIC CHEMISTRY BASED ON FUNCTIONAL GROUP-III****(Marks: 04)**

Cyanides, Isocyanides, Nitrocompounds and Amines: General methods of preparation and properties. Relative basic character of amines.

**UNIT 19: MOLECULES OF LIFE****(Marks: 02)**

Carbohydrates: Definition, Classification, Mutarotation, Structure of Amino-acids, Peptides and Proteins (Molish and ninhydrin tests). Classification and uses of vitamins. Chemicals in medicine and health care, Dyes and drugs. Chemical reactions in atmosphere, ozone depletion and its effects. Acid rain, Green House effect & Global warming.

**UNIT 20: POLYMERS****(Marks: 03)**

Introduction, Classification, Methods of Polymerisation (Addition, Condensation, Free Radical, Cationic & Anionic).

Natural & Synthetic Polymers: Polythene, Nylon, Polyster, Bakelite and Rubber.

Biodegradable and Non-Biodegradable Polymers.

## **BIOLOGY**

**UNIT-1: DIVERSITY AND CLASSIFICATION OF PLANTS****(Marks: 04)**

Systematics—need and history; Salient features of two and five kingdom systems and their merits and



demerits; types of classifications (artificial, natural and phylogenetic); General characters and economic importance of algae, fungi, bryophytes, pteridophytes, gymnosperms and angiosperms; Status of some acellular organisms like viruses and viroids; Slime moulds; Lichens---basic characteristics.

## **UNIT-2: MORPHOLOGY AND ANATOMY OF PLANTS**

**(Marks: 03)**

Morphology of root, stem and leaf and their modifications; types of inflorescence, flower, fruit and seed. Description of Liliaceae, Fabaceae and Solanaceae. Tissues and tissue system: Types of tissues (meristematic and permanent) classifications and their functions. Anatomy of dicot and monocot root, stem and leaves; secondary growth.

## **UNIT-3: PLANT PHYSIOLOGY**

**(Marks: 08)**

Transport in plants: Mechanisms of transport—diffusion, facilitated diffusion, passive and active transport, antiport and symport. Plant water relations: Water potential; osmosis; plasmolysis; imbibition; long distance transport of water; apoplast, symplast pathways; ascent of sap; root pressure theory, transpirational pull theory and cohesion-tension theory. Transpiration: Types and significance; mechanism of opening and closing of stomata, guttation; phloem transport (Mass Flow hypothesis), diffusion of gases.

Mineral Nutrition: Essential Minerals; macro and micro nutrients—their role and deficiency symptoms and mineral toxicity. Mechanism of nutrient uptake by plants from soil. Hydroponics. Nitrogen metabolism—nitrogen cycle, nitrogen fixation. Photosynthesis: Historical background; site of photosynthesis; various photosynthetic pigments; mechanism of light reaction; photophosphorylation (cyclic and non-cyclic); Dark reaction-fixation of carbon dioxide (C<sub>3</sub> cycle, C<sub>4</sub> cycle); factors affecting photosynthesis; photorespiration. Respiration: Exchange of gases, cellular respiration; glycolysis, Krebs cycle, Electron Transport System; Aerobic and anaerobic respiration; respiratory quotient. Growth and Development: Characteristics and phases of plant growth; growth curve; differentiation, dedifferentiation and redifferentiation; plant growth regulators-discovery, nature and physiological effects of auxins, gibberellins, cytokinins, ethylene and abscisic acid. Photoperiodism and vernalisation. Seed dormancy and seed germination.





#### **UNIT-4: REPRODUCTION IN FLOWERING PLANTS**

**(Marks: 05)**

Modes of reproduction in flowering plants (Vegetative, asexual, sexual and micropropagation); flower structure, development of male and female gametophytes; Pollination—types, agencies and examples; in-breeding and out-breeding, factors promoting out-breeding, pollen-pistil interaction; double fertilization; post-fertilization events; development of endosperm, embryo, seed and fruit; apomixis and polyembryony—types and importance.

#### **UNIT-5: GENETICS**

**(Marks: 06)**

Heredity and variation (somatic and germinal); Mendel's laws of inheritance; deviations from Mendelism; incomplete dominance; co-dominance; multiple alleles; pleiotropy; Polygenic Inheritance; Chromosomal Theory of Inheritance.

Evidence for DNA as genetic material; structure of DNA and RNA; DNA packaging; DNA replication; Protein synthesis—transcription, translation, genetic code; gene expression and regulation (lac-operon).

#### **UNIT-6: ECOLOGY AND ENVIRONMENT**

**(Marks: 07)**

Meaning of ecology, community, niche. Population and ecological adaptations: Characteristics of populations (birth rate (natality/fecundity), death rate (mortality) and age distribution; population interactions (positive and negative interactions)...competition, predation, parasitism and mutualism. Ecosystems: Biotic and abiotic components; energy flow, nutrient cycling (carbon and phosphorus), litter decomposition and primary productivity; pyramids of number, biomass and energy; ecological succession types. Food chain and food web. Biodiversity and its conservation: Levels of biodiversity; threats to biodiversity; megabiodiversity countries and biodiversity hotspots; IUCN threat categories; in situ and ex situ methods of biodiversity conservation. Environmental issues: Causes and consequences of air and water pollution and their control; solid waste management; agrochemicals and their effect; greenhouse effect and global warming; stratospheric ozone layer depletion—causes and consequences.

#### **UNIT- 7: BIOLOGY AND HUMAN WELFARE**

**(Marks: 04)**

Plant breeding: Introduction, steps in plant breeding and application of plant breeding;



Biofortification, Tissue culture: Cellular totipotency; technique and application of tissue culture  
Microbes in human welfare: Role of microbes in food processing; industrial production; sewage treatment; energy production (biogas); biopesticides and biofertilizers Elementary idea of Genetically Modified Organisms (GMOs); Bt crops, biopiracy and patents.

**UNIT-8: DIVERSITY IN THE LIVING WORLD**

**(Marks: 03)**

Characteristic features of living organisms Salient features of different animal phyla (non-chordates upto phylum level, chordates upto class level) National parks of India with special reference to J&K State:- Dachigam National Park, Hemis High altitude National Park and Kishtwar High altitude National Park.

**UNIT-9: HISTOLOGY & MORPHOLOGY**

**(Marks: 03)**

Animal Tissues:- Epithelial, Connective, Muscular and Nervous Elementary knowledge on morphology & anatomy of Frog, Earthworm and Cockroach.

**UNIT-10: CELL-STRUCTURE & FUNCTION**

**(Marks: 06)**

Modern cell theory, Prokaryotic and eukaryotic cells, cell wall, cell membrane structure & function (fluid mosaic model), cell organelles (Plastids, Mitochondria, Endoplasmic reticulum, Golgi bodies/dictyosomes, Ribosomes, Lysosomes, Nucleus, Vacuoles, Centrioles, cilia & Flagella) **Cell division:** Cell cycle, Mitosis and Meiosis **Bio molecules:** Structure and function of carbohydrates, proteins, lipids and nucleic acids, primary and secondary metabolites, metabolism **Enzymes:** Types, properties functions and factors controlling enzyme activity.

**UNIT-11: HUMAN PHYSIOLOGY**

**(Marks: 08)**

Alimentary canal, digestion and absorption of food, disorders of digestive system (jaundice, vomiting, diarrhea, constipation, indigestion etc.) Respiratory organs, mechanism of breathing, respiratory volumes and capacities, transport of gases (oxygen and carbon dioxide), disorders of respiratory system (asthma, emphysema, fibrosis etc.) Circulatory system:- Blood & lymph and their functions, blood groups, coagulation of blood, human heart, cardiac cycle, ECG, double circulation, disorders of





circulatory system. (hypertension, coronary artery disease, angina, heart failure). Excretory products and their elimination. Modes of Excretion; Ammonotelism, Ureotelism and Uricotelism. Human excretory system, urine formation, functions of tubules, mechanism of concentration of the filtrate, regulation of kidney function, micturition, role of other organs in excretion (lungs, liver and skin), haemodialysis and peritoneal dialysis, disorders of the excretory system (kidney failure, glomerulonephritis, renal calculi) Types of movement (amoeboid, ciliary and muscular), different types of muscles, structure of contractile proteins (actin and myosin), mechanism of muscle contraction, joints, disorders of muscular and skeletal system (Myasthenia gravis, muscular dystrophy, tetany, arthritis, gout, osteoporosis) Human nervous system, neuron as a structural and functional unit of nervous system, generation and conduction of nerve impulse, transmission of impulses, reflex action and reflex arc, structure and functioning of the sense organs (eye and ear) Endocrine glands, Mechanism of hormone action, hormones of heart, kidney and gastrointestinal tract.

#### **UNIT-12: REPRODUCTION**

**(Marks: 07)**

Asexual reproduction:- Characteristics and types of asexual reproduction (binary fission, sporulation, budding, gemmules, fragmentation, regeneration) Human reproduction:- male and female reproductive system, microscopic anatomy of testis and ovary, spermatogenesis and oogenesis, menstrual cycle, fertilization, embryo development upto blastocyst formation, implantation, pregnancy and placenta formation, parturition and lactation Reproductive health:- need for reproductive health, sexually transmitted diseases and their control and prevention, birth control, (its need and methods), contraception and medical termination of pregnancy (MPT), amniocentesis, infertility and associated reproductive technologies (IVF, ZIFT, GIFT).

#### **UNIT-13: GENETICS AND EVOLUTION**

**(Marks: 04)**

Sex determination in humans, birds and honey bee. Inheritance pattern of Mendelian disorders in humans (colour blindness, haemophilia, cystic fibrosis, sickle- cell anaemia, phenylketonuria, thalassemia ) Chromosomal disorders in humans:- Down's syndrome, Turner's syndrome and Klinefelter's syndrome Genome and human genome project. DNA fingerprinting. Origin of life, theories and evidences for evolution with special reference to Darwinian theory, and Modern synthetic theory, Hardy-Weinberg principle, Adaptive radiation. Origin and evolution of man.



**UNIT-14: BIOLOGY AND HUMAN WELFARE****(Marks: 04)**

Health and Diseases:- basic concepts of immunology, vaccines, common diseases in human beings (their causative agents, symptoms and prevention and control) with reference to typhoid, hepatitis, malaria, filariasis, bubonic plague, ascariasis, common cold, amoebiasis and ring worm, Detailed account of diseases like cancer and HIV/ AIDS. Insects and human welfare:- Silk, honey and lac producing insects, their life- cycle and usefulness of their products. Poultry and Dairy Farming. Adolescence and drug and alcohol abuse (effects of drug/ alcohol abuse, prevention and control).

**UNIT-15: BIOTECHNOLOGY AND ITS APPLICATIONS****(Marks: 03)**

Genetic engineering (recombinant DNA technology), cloning. Biotechnological production of human insulin, vaccines and growth hormone. Gene therapy. Bio safety/ ethical issues regarding recombinant DNA technology.

## MATHEMATICS

**UNIT 1: SETS, RELATIONS AND FUNCTIONS****(Marks: 07)**

**Sets** and their representation, finite and infinite sets, empty set subsets, subset of real numbers especially intervals, power set, universal set. Venn diagram, union and intersection of sets. Difference of sets, Complement of a set. Ordered pairs, Cartesian product of sets, number of elements in the Cartesian product of two finite sets. Cartesian product of real with itself (upto  $\mathbb{R} \times \mathbb{R}$ ). **Relation**, Domain, co-domain and range of relation, types of relations, reflexive, symmetric, transitive and equivalence relations. **Function** as special kind of relation from one set to another, domain, co-domain and range of a function. One to one, onto functions. Real valued functions of the real variable, constant identity, polynomial, rational modulus signum and greatest integer functions with their graph. Sum, difference, product and quotients of functions. Composite of functions, inverse of a function, binary operations.

**UNIT 2: COMPLEX NUMBER; LINEAR INEQUATION; LINEAR PROG****(Marks: 08)**

**Complex number:** Conjugate of a complex number, modulus and amplitude (argument) of a complex





number, Argand's plane and polar representation of complex numbers, algebraic properties of complex numbers. Fundamental theorem of algebra, solution of Quadratic equation in the complex number system. Square root of a complex number.

**Linear inequation:** Algebraic solution of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities of two variables.

**Linear programming:** Introduction, definition of related terminology such as constraints, objective function, optimization, different type of linear programming problem (L.P), mathematical formulation of L.P problem, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).

### UNIT 3: SEQUENCE AND SERIES, PERMUTATION AND COMBINATION

(Marks: 08)

**Sequence and series:** Arithmetic progression (A.P), arithmetic mean (A.M),  $n$ th term, sum to  $n$ -terms of an A.P, Geometric progression (G.P), Geometric Mean (G.M),  $n$ th term, sum to  $n$ -terms and sum to infinity of a G.P. Relation between A.M and G.M. Sum to  $n$  terms of  $\Sigma n$ ,  $\Sigma n^2$ ,  $\Sigma n^3$ .

**Permutation and combination:** Fundamental principle of counting, factorial  $n$ ., permutations  $P(n,r)$  and combinations  $C(n,r)$ , derivation of formulae and their connections, simple applications.

**Mathematical Induction and Binomial Theorem:** The principle of mathematical induction and simple applications. Binomial theorem, statement and proof of Binomial theorem for positive integral power. Pascal's triangle, general and middle terms in the Binomial expansion, simple application.

### UNIT 4: TRIGONOMETRIC AND INVERSE TRIGONOMETRY FUNCTIONS

(Marks: 07)

Positive and negative angles, measuring angles in radians and in degrees, Conversion from one measure to another. Definition of trigonometric functions with the help of unit circle, identity  $\sin^2 x + \cos^2 x = 1$  for all Sign of  $x$ , **Trigonometric functions** and their graphs. Expression of



$$\begin{aligned}\tan (x \pm y) &= \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \\ \cot (x \pm y) &= \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x} \\ \sin x + \sin y &= 2 \sin \frac{x+y}{2} \cos \frac{x-y}{2}, \\ \cos x + \cos y &= 2 \cos \frac{x+y}{2} \cos \frac{x-y}{2}, \\ \sin x - \sin y &= 2 \cos \frac{x+y}{2} \sin \frac{x-y}{2}, \\ \cos x - \cos y &= -2 \sin \frac{x+y}{2} \sin \frac{x-y}{2},\end{aligned}$$

Identities related to  $\sin 2x$ ,  $\cos 2x$ ,  $\tan 2x$ ,  $\sin 3x$ ,  $\cos 3x$ , and  $\tan 3x$ . General solution of trigonometric equations of the type  $\sin$ ,  $\cos$ . Sine and Cosine formulae and their simple applications.

**Inverse trigonometric functions**, defunction, range, domain, principal value branches. Graphs of inverse trigonometric functions, elementary properties of inverse trigonometric functions

#### UNIT 5: MATRICES AND DETERMINANTS

(Marks: 05)

**Matrices**, concepts, notation, order, equality, types of matrices, Zero matrix, transpose of matrix, Symmetric and skew symmetric matrices. Addition, multiplication, scalar multiplication of matrices, simple properties of addition, multiplication and scalar multiplication of matrices. Non-cummulative of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (order  $2 \times 2$ ). Concept of elementary row and column operation, Invertible matrices and uniqueness of inverse, if it exists. (Matrices with real entries).

**Determinants** of square matrix (upto  $3 \times 3$  matrices) properties of determinants, minors, cofactors and applications of determinants in finding area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables using inverse of a matrix. Cramer's Rule and its applications.

#### UNIT 6: LIMIT, CONTINUITY AND DIFFERENTIATION

(Marks: 09)

Concept of limit of a function. Theorems on Limits, Evaluation of limits using standard results





$$\lim_{x \rightarrow 0} \frac{1}{x}, \lim_{x \rightarrow \infty} \frac{1}{x}, \lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^x$$

$$\lim_{x \rightarrow 0} (1+x)^{1/x}, \lim_{x \rightarrow 0} \frac{\log(1+x)}{x}, \lim_{x \rightarrow 0} \frac{e^x - 1}{x},$$

**Continuity** of a function at a point. Continuity of Sum, product and quotient of functions.

**Derivative:** definition of a derivative of a function, geometrical interpretation of the derivative.

- Derivative of sum, difference, product and quotient of two or more functions.
- Derivative of algebraic and composite functions.
- Derivative of trigonometric and inverse trigonometric functions.
- Chain rule, derivative of implicit functions.
- Derivative of logarithmic and exponential functions.
- Logarithmic differentiation.
- Derivative of functions expressed in parametric forms.

Second order derivatives.

- Rolle's and Lagrange's Mean Value Theorem and their geometrical interpretation and their simple applications.
- Chain Rule, derivative of implicit functions.

**Application of Derivative:** rate of change, increasing and decreasing functions, tangents and normals, approximation, maxima and minima (first derivative and second derivative test). Simple problems.

## UNIT 7: INTEGRATION AND DIFFERENTIAL EQUATIONS

(Marks: 09)

Integration as inverse process of differentiation. Integration of variety of functions by Substitution, by parts, by partial fractions. Simple integrals of the type:



$$\begin{aligned}
& \int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \\
& \int \frac{dx}{ax^2 + bx + c}, \int \frac{(px + q)}{ax^2 + bx + c} dx, \int \frac{(px + q)}{\sqrt{ax^2 + bx + c}} dx, \\
& \int \sqrt{a \pm x^2} dx, \int \sqrt{x^2 - a^2} dx, \\
& \int \sqrt{ax^2 + bx + c} dx, \int \frac{dx}{a + b \cos x}, \int \frac{dx}{a + b \sin x}, \\
& \int (px + q) \sqrt{ax^2 + bx + c} dx
\end{aligned}$$

Definite integrals as a Limit of a sum. Fundamental Theorem of calculus. Basic properties of definite integrals Evaluation of definite integrals.

**Application of integrals:** Application in finding the area under simple curves, especially lines. Areas of circles, parabolas and ellipses (in standard form) Area under the curve  $y = \sin x$ ,  $y = \cos x$ , area between the above two curves. **Differential Equations:** Definition, order and degree of a differential equation. General and particular solutions of a differential equation. Formation of a differential equation whose general solution is given. Solution of differentiation equation by method of separation of variables. Solution of Homogeneous differential equation of first order and first degree. Solution of linear differential equation of the type:

$$\frac{dy}{dx} + py = q \quad \text{where } p \text{ and } q \text{ are functions of } x \text{ alone and}$$

$$\frac{dx}{dy} + px = q \quad \text{where } p \text{ and } q \text{ are functions of } y \text{ alone.}$$

#### UNIT 8: STRAIGHT LINES AND CONIC SECTIONS

(Marks: 07)

Distance between two points, section, slope of a line, angle between two lines, various forms of equations of lines, point-slope form, intercept form, two point form, and normal form. General equation of a line, distance of a point from a line. Conic Section: Sections of a cone, circles, parabola,





ellipse, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of conic section. Standard equation of a circle, parabola, ellipse, and hyperbola and their simple properties.

#### UNIT 9: STATISTICS AND PROBABILITY

(Marks: 07)

Measure of dispersion, mean, deviation, variance and standard deviation of ungrouped/grouped data. Analysis of frequency distribution with equal means but different variances. **Random Experiment:** outcome, sample spaces.

**Events:** Mutually exclusive events. Axiomatic (set theoretic) probability, probability of an event, probability of "Not" and "Or" events. Multiplication theorem on probability, conditional probability, independent events, total probability, Baye's theorem, random variable and its probability, distribution, mean and variance of a random variable. Repeated independent (Bernoulli) trials and Binomial distribution.

#### UNIT 10: VECTORS AND THREE DIMENSIONAL GEOMETRY

(Marks: 08)

Vectors and scalars, magnitude and direction of a vector Direction Cosines and ratios of a vector. Types of vector, equal, zero, unit, parallel and collinear vectors. Position vector of a point, negative of a vector, components of a vector, addition of vectors, Scalar multiplication, position vector of a point dividing a line segment in a given ratio. Scalar (dot) product of vectors, projection of a vector on a line. Vector (cross) product of vectors, Scalar triple product. Coordinate axes and Coordinate planes in three dimensions of a point, distance between two points and sectional formula. Direction cosines and direction ratios of a line joining two points. Cartesian and vector equation of a line, coplanar and skew-lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between:

- i. Two lines
- ii. Two planes.
- iii. A line and a plane
- iv. Distance of a point from a plane.



### 15. INSTITUTIONS WITH COURSES AND TENTATIVE INTAKE CAPACITY

The number of seats in different courses/ colleges may increase or decrease. The exact number of seats available will be notified at the time of counselling for admission. The details of the available seats, as on date, discipline-wise, in different Colleges/ Institutions of the State for the academic year-2014 are given below.



**GOVT. MEDICAL COLLEGE, SRINAGAR**

Phone: 0194-24504114

Fax: 0194-24504114

Email: drrafiqahmad@rediffmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE
MBBS	149	149





### **GOVT. MEDICAL COLLEGE, JAMMU**

Phone: 0191-2584234

Fax: 0191-2584247

Email: pmcjammu@gmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE
MBBS	150	150





**SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES, MEDICAL COLLEGE BEMINA**

Phone: 0194-2403470

Email: [director@skims.ac.in](mailto:director@skims.ac.in)

Fax: 0194-2490071

Website: [www.skims.ac.in](http://www.skims.ac.in)

Courses	Intake Capacity	Seats to be filled by BOPEE
MBBS	100	100





**ACHARIYA SHRI CHANDRA COLLEGE OF MEDICAL SCIENCES SIDHRA, JAMMU\***

Phone: 0191-2662270

Email: [ascomshospital@gmail.com](mailto:ascomshospital@gmail.com)

Fax: 0191-2662324, 2662113

Website: [www.ascomscollege.com](http://www.ascomscollege.com)

Courses	Intake Capacity	Seats to be filled by BOPEE	Payment seats	Poor & Backward Category Seats	Management Quota Seats
MBBS	100	50	40	10	50

\* Subject to approval from the J&K Government.





**GOVT. DENTAL COLLEGE, SRINAGAR\***

Phone: 0194-2455022  
Email: gdcsrinagar@gmail.com

Fax: 0194-2480679  
Website:

Courses	Intake Capacity	Seats to be filled by BOPEE
BDS	50	50
Dip. Dental Hygiene	05	05

\* Subject to approval from DCI





**GOVT. DENTAL COLLEGE, JAMMU\***

Phone: 0191-2544670, 2565630  
Email: iggdcjprincipal@yahoo.com

Fax: 0191-2565588  
Website:

Courses	Intake Capacity	Seats to be filled by BOPEE
BDS	50	50*

\* Subject to approval from DCI





**INSTITUTE OF DENTAL SCIENCES CHARITABLE TRUST, SEHORA, JAMMU\***

Phone: 0191-2483115

Email: idsjammu06@gmail.com

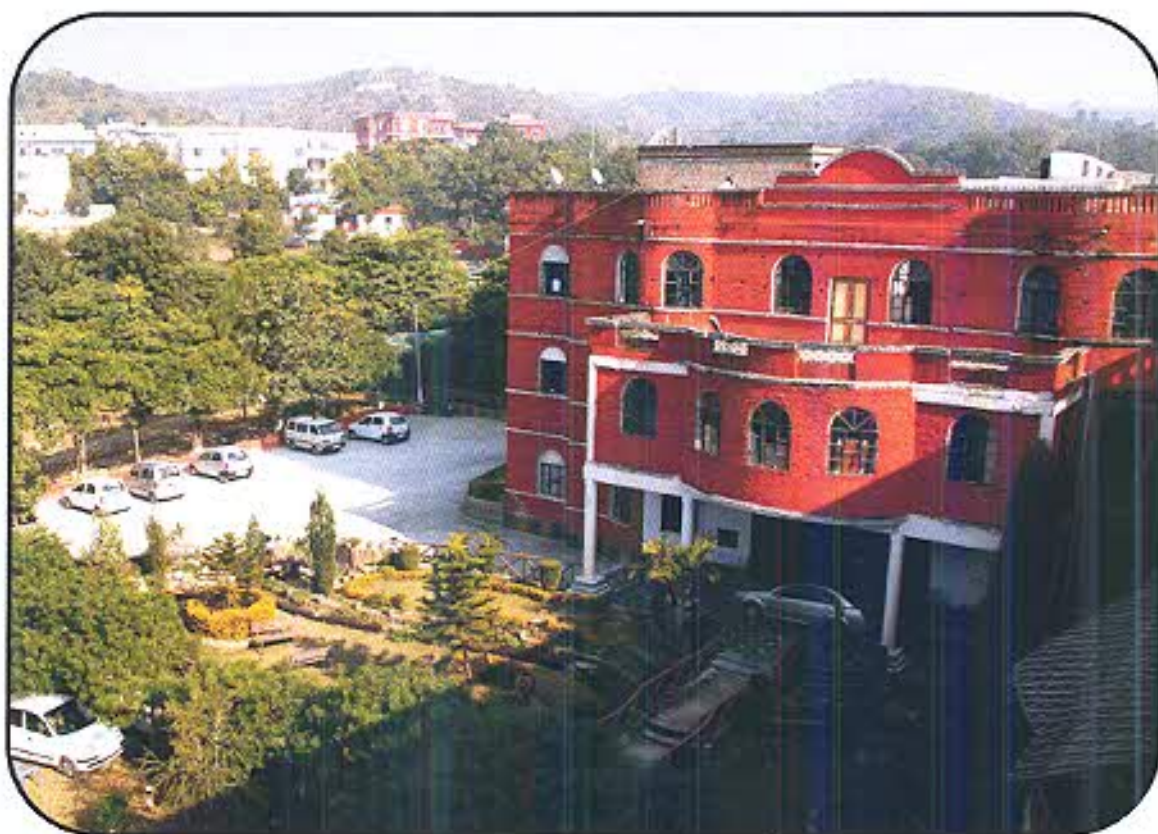
Fax: 0191-2484872

Website:

Courses	Intake Capacity	Seats to be filled by BOPEE	Management quota seats
BDS	100	54	46

\* Subject to approval from DCI





### **JAMMU INSTITUTE OF AYURVEDA & RESEARCH, JAMMU\***

Phone: 0191-2597868

Fax: 0191-2594262

Email: drrlsharma\_50@rediffmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE		Management quota seats
		Payment seats	Poor & Backward Category Seats	
<b>BAMS**</b>	90	60	07	23

\*Subject to approval from the J&K Government, Jammu University and AYUSH.

\*\* In BAMS medium of instruction is Hindi





### JAMMU COLLEGE OF PHYSIOTHERAPY\*

Phone: 0191-2597868

Fax: 0191-2594262

Email: drsharma\_50@rediffmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE		Management quota seats
		Payment seats	Poor & Backward Category Seats	
B.Sc. Physiotherapy	90	63*	04*	23*

\*Subject to approval from the J&K Government, Jammu University and AYUSH.





### **KASHMIR TIBBIA COLLEGE HOSPITAL & RESEARCH CENTRE, TENGPORA, SRINAGAR \***

Phone: 0194-2428380

Fax: 0194-2428380

Email: ktchrc97@rediffmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE		Management quota seats
		Payment seats	Poor & Backward Category Seats	
BUMS	40	27	03	10

\*Subject to approval from the J&K Government, University of Kashmir and AYUSH.





**INSTITUTE OF ASIAN MEDICAL COLLEGE, SRINAGAR\***

Phone: 0194-2102138  
Email: doctorbaksh@gmail.com

Fax: 0194-2423786

Courses	Intake Capacity	Seats to be filled by BOPEE		Management quota seats
		Payment seats	Poor & Backward Category Seats	
BUMS	40	27	03	10

\*Subject to approval from the J&K Government, University of Kashmir and AYUSH.





### **GOVT COLLEGE OF ENGINEERING & TECHNOLOGY, JAMMU**

Phone: 0191-2546244, 2544863

Fax: 0191-2560359

Email: principal@gcetjammu.org

Courses	Intake Capacity	5% seats for TFW* candidates	Seats to be filled by BOPEE
Civil	30	1.5	31.50
E & C	30	1.5	31.50
Computer	40	2.0	42.00
Electrical	30	1.5	31.50
Mechanical	30	1.5	31.50
Total	160	8	168

\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate.





**MODEL INSTITUTE OF ENGG. & TECH. KOT BAHLWAL, JAMMU\*\***

Phone: 0191-2623116, 2623180  
Email: principal@mietjammu.in

Fax: 0191-2623181  
Website: mietjammu.in

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		5% seats for TFW* candidates	Open Merit Seats	
Civil**	60	3	57	3
E & C	120	6	114	6
Computer	120	6	114	6
Electrical	60	3	57	3
I.T	60	3	57	3
Total	420	21	399	21

\*Subject to approval from the J&K Government, Jammu University and AYUSH.

\*\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate.





### **MBS COLLEGE OF ENGINEERING & TECHNOLOGY, JAMMU\*\***

Phone: 0191-2216625

Fax: 0191-2262896

Email: sushilbadyal@yahoo.com

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		5% seats for TFW* Candidates	Open Merit Seats	
E & C	60	1.5	30	30
Mechanical	60	1.5	30	30
Computer	60	1.5	30	30
Electrical	60	1.5	30	30
Applied Electronics & Instrumentation	60	1.5	30	30
I.T	60	1.5	30	30
<b>Total</b>	<b>360</b>	<b>9</b>	<b>180</b>	<b>180</b>

\* Subject Approval of the regulatory bodies, AICTE, State Government and University of Jammu.

\*\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate





### SSM COLLEGE OF ENGINEERING, SRINAGAR

Phone: 0194-2496260

Fax: 0193-2496135

Email: ssmkashmir@gmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		5% Seats for TFW* Candidates	Open Merit Seats	
Civil	180	9	173	7
Mechanical	120	6	116	4
E & C	120	6	116	4
Computer	120	6	116	4
Electrical	60	3	58	2
Total	600	30	579	21

\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate

\*\* Subject Approval of the regulatory bodies, AICTE, State Government and University of Kashmir.





### **Yogananda College of Engineering and Technology, Jammu\*\***

Phone: 2605603, 2605602, 191-2605601

Fax: 0191-2605604

Email: jamwalgroup94@gmail.com

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		5% Seats for TFW* Candidates	Open Merit Seats	
Civil	60	3	57	3
Mechanical	60	3	57	3
IT	60	3	57	3
Computer	60	3	57	3
Electrical	60	3	57	3
Total	300	15	285	15

\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate

\*\* Subject Approval of the regulatory bodies



## 16. LIST OF ANNEXURES

### ANNEXURE-I

#### COMPETENT AUTHORITIES FOR ISSUANCE OF RESERVED CATEGORY CERTIFICATES

S. No.	Categories	Competent Authorities to issue certificates
1	Scheduled Caste (SC)	Revenue Officer not below the rank of Tehsildar *
2	Scheduled Tribes	
	i. Scheduled Tribe, Gujjar & Bakerwal (STGB)	
	ii. Scheduled Tribe, Leh District (STL)	
	iii. Scheduled Tribe, Kargil District (STK)	
	iv. Other Scheduled Tribes (STO)	
3	Socially and Educationally Backward Classes	Revenue Officer not below the rank of Tehsildar *
	i. Weak and Under Privileged Classes, Social Castes (OSC)	
	ii. Residents of Backward Area (RBA)	
	iii. Residents of Area Adjoining Actual Line of Control (ALC)	Revenue Officer not below the rank of Tehsildar *
4	Candidates hailing from poor and Backward families whose annual income does not exceed Rs. 70,000/- for MBBS, (ASCOMS), BAMS/ Physiotherapy and BUMS in private colleges	
5	Children of Defense Personnel & Ex-servicemen. (CDP) (Navy, Army and Air force only) **	Zila Sainik Board/Commanding Officer of the concerned Unit
6	Children of Permanent Residents of Paramilitary Forces and State Police Personnel serving in the State (JKPM)	DIG Concerned
7	Candidates possessing outstanding proficiency in Sports (SP) ***	Secretary, J&K Sports Council (to be issued before the Date mentioned by BOPEE)
8	Tuition Fee Waiver Certificate (TFW) Any candidate whose father's income from all sources is less than rupees 4,50,000 (Four Lakhs and fifty thousand only) (Applicable to only Engineering Courses)	Tehsildar of the concerned Tehsil after making proper enquiry





**Note:**

\* Provided in respect of villages of Padder, Marwah and Warwan; Tehsil Kishtwar; District Doda, the Naib Tehsildar shall also be competent Authority to issue such Certificate.

\*\* The candidate having a certificate that his/her father is working in Defence Establishment (Military Engineering Service or other service of like nature) where salary is paid out from Defence Estimates is not entitled to the benefit of CDP Category. Where this certificate is wrongly accepted and the candidate gets admission on the basis of this certificate, the admission of such candidate will be cancelled as and when this mistake comes into the knowledge of Board.

The Children of serving BSF, CRPF, ITBP, CISF and SSB Personnel and other intelligence agencies do not fall under CDP category but fall under the category of JKPM for which Category Code is different. The candidates claiming benefit of any of these categories must ensure under which category they fall and should accordingly enter Category Code.

\*\*\* The candidates having "Outstanding Proficiency in Sports" have to indicate their category choice in the form and attach certificates. They must submit their certificates also to the Secretary, J& K Sports Council for awarding points which will be then officially submitted to the Board by the Sports Council. The Board shall not be responsible where a candidate fails to submit certificates to the Council or Council fails to forward the points of a candidate to the Board. It shall be the sole responsibility of the candidate to ensure that his/her sports points are forwarded by the Council to the Board.



**ANNEXURE-II**

**INCOME CERTIFICATE FOR POOR AND BACKWARD CATEGORY  
GOVERNMENT OF JAMMU AND KASHMIR  
INCOME CERTIFICATE**

It is certified that the total annual income from all sources of Shri \_\_\_\_\_ Father /  
Guardian of \_\_\_\_\_ Resident of \_\_\_\_\_ District  
\_\_\_\_\_ based on the inquiry conducted by this office does not exceed Rs.  
70,000.00 (Rupees *SEVENTY THOUSAND ONLY*) per annum.

No.: \_\_\_\_\_

Dated: \_\_\_\_\_

Tehsildar of the concerned Tehsil  
With Official Stamp





### ANNEXURE-III

#### INCOME CERTIFICATE FOR TUITION FEE WAIVER CATEGORY GOVERNMENT OF JAMMU AND KASHMIR INCOME CERTIFICATE

It is certified that the total annual income from all sources of Shri \_\_\_\_\_

Father / Guardian of \_\_\_\_\_ Resident of \_\_\_\_\_

District \_\_\_\_\_ based on the inquiry conducted by this office does not

exceed Rs. 4,50,000.00 (Rupees *FOUR LAC AND FIFTY THOUSAND ONLY*) per annum.

No.: \_\_\_\_\_

Dated: \_\_\_\_\_

Tehsildar of the concerned Tehsil

With Official Stamp



# ANNEXURE-IV

INSTRUCTIONS: CANDIDATE TO PLEASE FOLD AT PERFORATION AND THEN TEAR AFTER EXAMINATION IS OVER.  
SEPARATE ORIGINAL COPY AND CANDIDATE'S COPY OF OMR ANSWER SHEET AND HAND OVER ORIGINAL ANSWER SHEET TO INVIGILATOR

ORIGINAL COPY

ANSWER SHEET

Answer Sheet No.

PHOTOGRAPH	ROLL NO.	
	CANDIDATE'S NAME	
	FATHER'S NAME	
	CATEGORY	
	DATE OF BIRTH	

## INSTRUCTIONS

- Do not fold, tear, write or staple this sheet.
  - Use only Blue or Black Ball Point Pen to fill this Answer Sheet.
  - Mark only one circle for each question as shown in the example below.  
Marking should be dark and the circle is to be filled in completely as shown in the example below.
- |                          |  |   |
|--------------------------|--|---|
|                          | Correct way of marking   | Incorrect way of marking  |
| 1. If your answer is (1) | <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 | <input checked="" type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 |
| 2. If your answer is (2) | <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 | <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 |
| 3. If your answer is (3) | <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 | <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3 <input checked="" type="radio"/> 4 |
| 4. If your answer is (4) | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4 | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4            |
- Mark your answer only in the space provided. Please do not mark any other mark on this answer sheet.
  - Rough work must not be done on this Answer Sheet. Use rough sheets provided at the end of the question booklet for rough work.
  - Mark your answer only in the appropriate circle against the corresponding number to the question you are answering.
  - Mark your Question Booklet Number and Question Booklet Series correctly.
  - There will be 0.2 negative mark for every wrong answer.
  - Do not use ball pen, pen or blades.
  - In case you do not follow the above instructions, your answer sheet is likely to be rejected whenever detected.

## ANSWERS

1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	41	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
2	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	42	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
3	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	43	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
4	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	44	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
5	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	45	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
6	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	46	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
7	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	47	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
8	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	48	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
9	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	49	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
10	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	50	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
11	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	51	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
12	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	52	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
13	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	53	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
14	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	54	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
15	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	55	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
16	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	56	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
17	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	57	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
18	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	58	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
19	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	59	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
20	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	60	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
21	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	61	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
22	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	62	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
23	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	63	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
24	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	64	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
25	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	65	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
26	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	66	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
27	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	67	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
28	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	68	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
29	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	69	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
30	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	70	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
31	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	71	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
32	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	72	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
33	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	73	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
34	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	74	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
35	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	75	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4
36	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4					
37	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4					
38	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4					
39	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4					
40	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4					

ROLL NUMBER	QUESTION BOOKLET NUMBER	QUESTION BOOKLET SERIES
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
<input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8	<input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8	PAPER
<input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 <input type="radio"/> 12	<input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 <input type="radio"/> 12	Paper-I <input type="radio"/> Paper-II <input type="radio"/> Paper-III <input type="radio"/> Paper-IV <input type="radio"/>
<input type="radio"/> 13 <input type="radio"/> 14 <input type="radio"/> 15 <input type="radio"/> 16	<input type="radio"/> 13 <input type="radio"/> 14 <input type="radio"/> 15 <input type="radio"/> 16	
<input type="radio"/> 17 <input type="radio"/> 18 <input type="radio"/> 19 <input type="radio"/> 20	<input type="radio"/> 17 <input type="radio"/> 18 <input type="radio"/> 19 <input type="radio"/> 20	
<input type="radio"/> 21 <input type="radio"/> 22 <input type="radio"/> 23 <input type="radio"/> 24	<input type="radio"/> 21 <input type="radio"/> 22 <input type="radio"/> 23 <input type="radio"/> 24	
<input type="radio"/> 25 <input type="radio"/> 26 <input type="radio"/> 27 <input type="radio"/> 28	<input type="radio"/> 25 <input type="radio"/> 26 <input type="radio"/> 27 <input type="radio"/> 28	
<input type="radio"/> 29 <input type="radio"/> 30 <input type="radio"/> 31 <input type="radio"/> 32	<input type="radio"/> 29 <input type="radio"/> 30 <input type="radio"/> 31 <input type="radio"/> 32	
<input type="radio"/> 33 <input type="radio"/> 34 <input type="radio"/> 35 <input type="radio"/> 36	<input type="radio"/> 33 <input type="radio"/> 34 <input type="radio"/> 35 <input type="radio"/> 36	
<input type="radio"/> 37 <input type="radio"/> 38 <input type="radio"/> 39 <input type="radio"/> 40	<input type="radio"/> 37 <input type="radio"/> 38 <input type="radio"/> 39 <input type="radio"/> 40	

Write below as given certification statement in your running handwriting in English:

I certify that I am the person whose Roll Number and Photograph appear on this sheet. The Question Booklet No. and Booklet Series have been correctly filled by me. I have filled the answer sheet myself, signed and put my thumb impression.

<input type="text"/>	
SIGNATURE OF THE CANDIDATE	SIGNATURE OF THE INVIGILATOR

NUMBER OF QUESTIONS ATTEMPTED:

LEFT HAND THUMB IMPRESSION OF THE CANDIDATE	SIGNATURE OF THE SUPERINTENDENT
---	---------------------------------

Invigilator and Superintendent to ensure that the candidate has given correct information regarding No. of Questions attempted, Booklet No. and Series.





## ANNEXURE-V

### UNDERTAKING AND AUTHORITY LETTER FOR COUNSELLING

I, \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ age \_\_\_\_\_ years \_\_\_\_\_ months, bearing Roll No. \_\_\_\_\_ placed at Rank No. \_\_\_\_\_ in the Entrance Examination for admission to MBBS/BDS/BAMS/BUMS/BPT/BE Course 2014, conducted by BOPEE do hereby solemnly affirm and undertake that the decision of my authorised representative, Mr./Mrs./Miss \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ age \_\_\_\_\_ years, regarding selection / rejection of seat on the date of personal appearance shall be binding on me and I shall not have any claim whatsoever, other than the decision taken by my authorised representative on my behalf on \_\_\_\_\_

Signature of candidate \_\_\_\_\_

Name \_\_\_\_\_

Roll No. \_\_\_\_\_

Address \_\_\_\_\_

### AUTHORITY LETTER

I, \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ bearing Roll No. \_\_\_\_\_ for Entrance Examination for admission MBBS/BDS/BAMS/BUMS/BPT/BE Course 2014 do hereby authorise Mr./Mrs./Miss \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ R/o \_\_\_\_\_ to represent me on \_\_\_\_\_ (Date) before the committee for allotment of a seat in MBBS/BDS/BAMS/BUMS/BPT/BE Course 2014. The signatures and the photograph of above named Mr./Miss/Mrs. \_\_\_\_\_ are attested below.

Photograph of  
candidate  
attested by  
Gazetted  
Officer

Signature of candidate \_\_\_\_\_

Name \_\_\_\_\_

Roll No. \_\_\_\_\_

Address \_\_\_\_\_

Photograph to Attested by Gazette officer

Address \_\_\_\_\_

Photograph of  
authorized  
representative  
attested by the  
candidate

Signature of candidate \_\_\_\_\_

Name \_\_\_\_\_

Roll No. \_\_\_\_\_

Address \_\_\_\_\_

Photograph to be attested by the Candidate



## ANNEXURE-VI

### SAMPLE OF OPTIONS FORM FOR COUNSELLING

Counselling Date: 2014

S. No. 151

**THE J&K BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**  
**DISCIPLINE/INSTITUTION PREFERENCE FORMAT FOR CET (PCB) ALLOTMENT COUNSELLING-2014**  
*Notification No.00-BOPEE of 2014 Dated: 00-00-2014*

Roll No.	211145	Name	JUNAID KHURSHID	[ Male ]	
Category	05 - Open Merit Category (OM)	Marks	190.8466	Rank	0151
Telephone/Cel No.	9697583838	Email ID	Junaid.khurshid@gmail.com		

#### OPTIONS/PREFERENCE FORMAT FOR ALLOTMENT OF DISCIPLINE

S. No.	Name of the Discipline & Institution where you desire admission (In order of preference)
1	MBBS in GMC Srinagar
2	MBBS in GMC Jammu
3	MBBS in GMC SKIMS
4	MBBS in GMC ASCOMS
5	BDS in GDC Srinagar
6	BDS in IDS Jammu
7	
8	
9	
10	
11	
12	
13	
14	
15	
00	MBBS in G.M.C. Srinagar (Sample Preference)-Please write only one choice in one row

Signature of the Candidate

- a) I accept discipline \_\_\_\_\_ in the Institution \_\_\_\_\_ indicated by me at the Preference No. \_\_\_\_\_ given above. The discipline and institution preference has been exercised by me during the counselling on the basis of merit/rank secured by me in the Entrance Test-2014 and the seat available at my turn for allotment on \_\_\_\_\_ at \_\_\_\_\_.
- b) Under Rule 12 of SRO 294, (if applicable) my open merit available seat of \_\_\_\_\_ in the institution \_\_\_\_\_ is requested to be transferred to \_\_\_\_\_ reserved category and this category seat of my choice i.e. \_\_\_\_\_ in \_\_\_\_\_ be allotted to me.
- c) I have deposited non refundable counselling fee of Rs. 1000/- in the form of Bank Draft/Bank Challan No. \_\_\_\_\_ dated \_\_\_\_\_.

Signature of the Candidate

Recommended provisionally for admission in Discipline \_\_\_\_\_ at \_\_\_\_\_

Signature of Counselling Committee Members

Approved

Chairman, BOPEE





### ANNEXURE-VII

#### CET-2014 BREAK UP OF SEATS IN DIFFERENT DISCIPLINES / INSTITUTIONS (PCM)

Discipline	Seats available at GCET			Seats available at MIET		Seats available at MBS		Seats available at YCET		Seats available at SSM	
	OM	CAT	TFW	OM	TFW	OM	TFW	OM	TFW	OM	TFW
Civil	15	15	1.5	57	3	0	0	57	3	173	9
E & C	15	15	1.5	114	6	30	1.5	0	0	116	6
Computer	20	20	2	114	6	30	1.5	57	3	116	6
Mechanical	15	15	1.5	0	0	30	1.5	57	3	116	6
Electrical	15	15	1.5	57	3	30	1.5	57	3	58	3
I.T	0	0	0	57	3	30	1.5	57	3	0	0
Applied Electronics & Instrumentation	0	0	0	0	0	30	1.5	0	0	0	0
<b>Total</b>	<b>80</b>	<b>80</b>	<b>8</b>	<b>399</b>	<b>21</b>	<b>180</b>	<b>9</b>	<b>285</b>	<b>15</b>	<b>579</b>	<b>30</b>
<b>G. Total</b>						<b>1626</b>					

*Note: Subject to approval of regulating bodies.*

Allocation of seats as per provisions of reservation at Govt. College of Engineering and Technology, Jammu

Discipline	Total No. of Seats Available	OM	CAT	SC	STGB	STL	STK	STO	OSC	RBA	ALC	CDP	SP	JKPM
Civil	30	15	15	2	2	1	1	0	1	6	1	1	0	0
E & C	30	15	15	2	2	0	0	1	0	6	1	1	1	1
Mechanical	30	15	15	3	2	0	1	0	1	6	1	1	0	0
Electrical	30	15	15	2	2	1	0	1	0	6	1	1	1	0
Computer	40	20	20	3	2	1	1	0	1	8	1	1	1	1
<b>Total</b>	<b>160</b>	<b>80</b>	<b>80</b>	<b>12</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>32</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>2</b>



## ANNEXURE-VIII

Seat Matrix Operated for Session 2013 for MBBS / BDS at GMC-J / GMC-S / SKIMS / GDC-J / GDC-S

Name of the Institution	Discipline	FREE SEATS	CATEGORY																																	
			OM (50%)		SC (8%)		STGB (6%)		STL (2%)		STX (2%)		STD (2%)		OSC (2%)		RBA (20%)		AIC (3%)		CDP (3%)		SP (2%)		JKPM (1%)		AIC/STO		JKPM/CDP							
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F						
Govt. Medical College, Jammu		150	75	12	9	3	3	3	3	3	3	1.5	3	3	3	30	4.5	4.5	4.5	4.5	4.5	3	3	1.5												
			38	37	6	6	4	5	2	1	1	2	1	0.5	2	1	15	15	2	2.5	2	2.5	1	2	1	0.5	0	1	0	1						
Government Medical college, Srinagar	MBBS	149	74.5	11.92	8.94	2.98	2.98	2.98	1.49	2.98	2.98	1.49	2.98	2.98	2.98	29.8	4.47	4.47	4.47	4.47	2.98	2.98	1.49	1.49	STO/JKPM											
				37	38	6	6	5	4	1	2	2	1	0.5	1	1	2	15	15	2	2	2	2	1	0.5	1	1	0								
SKIMS, Soura Srinagar		100	50	8	6	2	2	2	1	2	2	1	2	2	2	20	3	3	3	3	2	2	1													
			25	25	4	4	3	3	1	1	1	1	1	0	1	1	10	10	1	2	1	2	1	1	1	0										
Government (Indira Gandhi) Dental College, Jammu	BDS	50	25	4	3	1	1	1	0.5	1	1	0.5	1	1	1	10	1.5	1.5	1.5	1.5	1	1	0.5													
				12	13	2	2	2	1	1	0	1	0	1	0	0	1	5	5	0	1	1	0	0	1	0	1									
Govt. Dental College, Srinagar	Dental Hygiene	50	25	4	3	1	1	1	0.5	1	1	0.5	1	1	1	10	1.5	1.5	1.5	1.5	1	1	0.5													
				13	12	2	2	1	2	0	1	0	1	0	0	1	0	5	5	1	1	0	1	0	1	0	1									
05		05	05																																	
TOTAL		504	253																									251								





## PRIVATE INSTITUTION

Institution	Course	Seats to be filled by BOPEE	Others	P&B	Total
ASCOMS, JAMMU	MBBS	40	Provisions of Reservation are Not Applicable to private institutions	10	50
Institute of Dental Sciences	BDS	54		-	54
Jammu Institute of Ayurveda & Research, Jammu	BAMS	60		07	67
Jammu College of Physiotherapy	B.Sc. Physiotherapy	63		04*	67
Kashmir Tibbia Hospital & Research Centre	BUMS	27		03	30
Institute of Asian Medical College	BUMS	27		03	30
<b>TOTAL</b>		<b>271</b>		<b>27</b>	<b>298</b>

### Note:-

- I. Rotational policy has been followed to distribute odd seats. (i.e. A combined seat allotted to male candidate this year will be allotted to female candidate next year 2014 on the basis of rotation.)
- II. Fractional seats (.5) of STO and ALC in Govt. Medical College Jammu have been combined to make it a whole number and the seat has been allotted to the female candidate (of 2013) of these two categories having higher merit
- III. Fractional seats (.5) of CDP and JKPM in Govt. Medical College Jammu have been combined together to make it whole number ( 1 seat) and the seat has been allotted to the female candidate of these two categories having higher merit by following rotational policy.
- IV. Fractional seats (.5) of STO and JKPM in Govt. Medical College Srinagar have been combined together to make it whole number ( 1 seat ) and the seat has been allotted to the male candidate of these two categories having higher merit by following rotational policy between male and female candidates.
- V. Fractional seats (.5) of STO and ALC in Govt. Indra Gandhi Dental College of Jammu have been combined together to make it whole number ( 1 seat) and the seat has been allotted to the male candidate of STO by following rotational policy.
- VI. Fractional seats (.5) of CDP and JKPM in Govt. Indra Gandhi Dental College of Jammu have



been combined together to make it whole number ( 1 seat) and the seat has been allotted to female candidate of JKPM by following rotational policy as above at V.

- VII. Fractional seats ( .5) of STO and ALC in Govt. Dental College Srinagar have been combined together to make it whole number ( 1 seat). This seat has been allotted to female candidate of ALC by following rotational policy with Govt. Indra Gandhi Dental College Jammu.
- VIII. Fractional seats ( .5) of CDP and JKPM in Govt. dental College Srinagar have been combined together to make it whole number ( 1seat). This seat has been allotted to male candidate of JKPM by following rotational policy with Govt. Indra Gandhi Dental college Jammu
- XI. Two reserve category seats of dental hygiene in Govt. Dental College Srinagar has been decided on the basis of rotation policy.





# ANNEXURE-IX

Tentative Seat Matrix to be operated for Session 2014 for MBBS /BDS at GMC-J/GMC-S/SKIMS/GDC-J/GDC-S

Name of the Institution	Discipline	FREE SEATS	CATEGORY																													
			OM (50%)		SC (8%)		STGB (6%)		STL (2%)		STK (2%)		STO (3%)		OSC (2%)		RBA (20%)		AUC (3%)		CDP (3%)		SP (2%)		IKPM (1%)		AUC/STO		IKPM/CDP			
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
Govt. Medical College, Jammu		150	75		12		9		3		3		1.5		3		30		4.5		4.5		3		1.5							
			37	38	6	6	5	4	1	2	2	1	0.5	1	1	2	15	15	2.5	2	2.5	2	2	2	1	0.5	1	1	0	1	0	
			74.5		11.92		8.94		2.58		2.98		1.49		2.98		29.8		4.47		4.47		2.98		1.49		STO/IKPM					
Government Medical college, Srinagar	MBBS	140	38	37	6	6	4	5	2	1	1	2	1	0.5	2	1	15	15	2	2	2	2	1	2	1	0.5	0	1				
			50		8		6		2		2		1		2		20		3		3		2		1							
			25		4		3		1		1		0		1		10		2		1		1		1		0		1			
SKIMS, Soura Srinagar		100	25		4		3		1		1		0		1		10		2		1		1		1		0		1			
			25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5							
			13		12		2		2		1		0		1		0		5		1		1		1		0		0			
Government Medical College, Jammu	BDS	50	13		12		2		1		0		1		0		5		1		1		1		1		0		0			
			25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5							
			12		13		2		2		1		0		1		0		5		0		1		1		0		1		0	
Govt. Dental College, Srinagar	Dip. Dental Hygiene	50	12		13		2		2		1		0		1		5		0		1		1		1		0		1		0	
			25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5							
			504		253																											
TOTAL			504	253																											231	



### PRIVATE INSTITUTION

Institution	Course	Seats to be filled by ROPEE		Others	P & BW	Total
ASCOMS, JAMMU	MBBS	40	Provisions of Reservation are Not Applicable to private institutions		10	50
Institute of Dental Sciences	BDS	54			-	54
Jammu Institute of Ayurveda & Research, Jammu	BAMS	60			07	67
Jammu College of Physiotherapy	B.Sc. Physiotherapy	63			04*	67
Kashmir Tibbia Hospital & Research Centre	BUMS	27			03	30
Institute of Asian Medical College	BUMS	27			03	30
TOTAL		271			27	298

### Note:-

- I. Rotational policy has been followed to distribute odd seats (i.e., the combined/odd seat allotted to **Female** candidate in the current year i.e. 2014 will be allotted to **Male** candidate in the year 2015 and vice-versa on the basis of rotation)
- II. Fractional seats (.5) of STO and ALC in Govt. Medical College, Jammu have been combined to make it whole number and the seat will be allotted to the **Male** candidate of these two categories having higher merit by following rotational policy.
- III. Fractional seats (.5) of CDP and JKPM in Govt. Medical College, Jammu have been combined together to make it whole number ( 1 seat) and the seat will be allotted to the **Male** candidate of these two categories having higher merit by following rotational policy.
- IV. Fractional seats (.5) of STO and JKPM in Govt. Medical College, Srinagar have been combined together to make it whole number ( 1 seat ) and the seat will be allotted to the **Female** candidate of these two categories having higher merit by following rotational policy between male and female candidates.
- V. Fractional seats (.5) of STO and ALC in Govt. Indra Gandhi Dental College, Jammu have been combined together to make it whole number ( 1 seat) and the seat will be allotted to the **Female** candidate of **ALC** by following rotational policy.
- VI. Fractional seats (.5) of CDP and JKPM in Govt. Indra Gandhi Dental College, Jammu have been combined together to make it whole number ( 1 seat) and the seat will be allotted to **Male** candidate of **CDP** by following rotational policy.





- VII. Fractional seats (.5) of STO and ALC in Govt. Dental College Srinagar have been combined together to make it whole number ( 1 seat). This seat will be allotted to **Male** candidate of **STO** by following rotational policy with Govt. Indra Gandhi Dental College, Jammu.
- VIII. Fractional seats (.5) of CDP and JKPM in Govt. dental College Srinagar have been combined together to make it whole number (1 seat). This seat will be allotted to **Female** candidate of **CDP** by following rotational policy with Govt. Indra Gandhi Dental College, Jammu
- IX. Two reserve category seats of dental hygiene in Govt. Dental College Srinagar will be decided on the basis of rotation policy.



### ANNEXURE-X

#### SAMPLE REPRESENTATION REGARDING ANSWER KEY

Name: *T. A. Khan*  
Roll No: *SBOP9999*

Paper: *Common Entrance Test (PHYSICS)*  
Year: *2014*

Series: *A*

S.NO.	QN	BAK	AAK	RBNAE	SPN	CPA	RPA	Any Additional Comments (if Required)
1	5	3	4	Conceptual Physics by Paul G. Hewitt, 4TH ED	Volume2, Chapter 2, P. 101,102,203	Y	01-03	
2	6	2	NONE			Y	05-07	
3	6	1	ALL			Y	09-11	
4	26	2	1 & 2			Y	13-20	
5	100	1	INV	NA	NA	N	00-00	QUESTION IS INCORRECTLY FRAMED
6	114	4	1,3,4			N	13-20	

Short Codes and their meanings:

- **QN:** Question No in the question booklet
- **BAK:** Answer key to the question as provided by BOPEE
- **AAK:** Applicants Answer Key to be claimed as correct
- **RBNAE:** Reference Book Name, Author Name and Edition No.
- **SPN:** Location of Reference i.e., specific page no and chapter in the Book. (e.g. Chapter 5 Page No 10,12,13; Volume 1 etc.)
- **CPA:** Cover Page of the Reference Book (to be attached) e.g. Y/N
- **RPA:** Reference Pages (to be attached after manual paging)
- **NA:** Not Applicable (for e.g. in case the applicant claims that the question itself is wrong)
- **INV:** The question itself is wrong
- **NONE:** None of the given answers is correct
- **ALL:** All the given answers are correct
- **4:** The answer no 4 (the no given by me) is correct
- **1&2:** There are two (more than one) answers to this question
- **1,2,4:** There are more than one answers to this question





## ATTENTION

Carrying of cellphone, pager, calculator or any other electronic gadget to the examination centre is strictly prohibited. Neither BOPEE will make any arrangement for the safe custody of these items nor will be responsible for loss of any such item. Hence, the candidates are directed not to carry such items with them while going to respective examination centres for taking the entrance examination.

*The guidelines to curb the menace of ragging in professional colleges issued by the Hon'ble Supreme Court of India.*

1. An annual undertaking signed by each student, whether fresher or senior and his/her parent(s) jointly stating that each of them has read the relevant instructions/regulations against ragging, as well as punishments, and that if the ward is found guilty, he/she shall be proceeded against and shall be prosecuted.
2. Such an undertaking shall be furnished in English as well as vernacular language (mother tongue of the parent) at the beginning of each academic year by every student.
3. An undertaking to the similar effect should be obtained every year from each student admitted to the hostel.
4. The compliance to the above effect shall be ensured by each of the affiliating university to which the concerned institution is affiliated and would be verified by them annually.
5. In order to ensure "the ragging free environment" in the campus, each institution shall compulsorily in their prospectus and other admission related documents, shall depict the earlier directions of the Apex Court and/or of the Central or State Governments as applicable, so that candidates and their parents are sensitised for the same.



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