

## **METHOD**

### Social studies (History and Geography)

Total – 60 Class Hours

Unit 1:- Scope and need of the subject and its place in the curriculum.  
– 2 CH

Unit 2:- Aims and objectives of the teaching the subjective and its critical evaluation.  
– 10 C H

Unit 3:- Teaching strategies – lectures, heuristic, demonstration, problem solving, Project, Laboratory programmed instruction and CAI, Use of teaching aids  
- 10 C H

Unit – 4:- Relevance of the subject in everyday life – understanding the present social structure.

History- Cultural heritage- significance of knowledge of different ages (ancient, medieval and modern) in the present context

OR

Geography – Environment – components and processes, relationship between man and environment.

Need for conservation of natural resources

8 CH

Unit 5 – Critical analysis of history / geography syllabus at school level (of any one class) to the following heads –

Significance of the topics,

Presentation of the concept,

Relevance

Need for inclusion/ exclusion of the topic

Methods for evolution/ question pattern

- 15 CH

Unit – 6

Pedagogical analysis of the content

. General overview and content analysis

. Determination of behavioural objectives

. Selection of teaching strategies

. Achievement test construction.

- 15 C H

### **Method – Life Science**

- 1) Scope and need for the subject and its in the school curriculum.  
2 class hours

2) Aims and objectives of teaching the subject and its critical evaluation.  
10 class hours

3) Teaching Strategies

. Lecture, Heuristic, Demonstration, problem solving, project laboratory,  
programmed instruction and CAI

. Use of teaching aids

10 class hours

4) Relevance of the subject in everyday life

Role of life science in sustainable development,

Conservation and bio – diversity, pollution and control

Science club and excursion

8 class hours

5) Critical analysis of the life science syllabi at school level of any one class  
with reference to the following heads

a) Significance of the topics

b) Presentation of the concepts

c) Connectivity to everyday life and environment

d) Need for inclusion / exclusion of topics

e) Methods of evaluation / question pattern

15 class hours

6) Pedagogical analysis of content

a) General overview and content analysis

b) Determination of behavioural objectives

c) Selection of teaching strategies

d) Achievement test construction

- 15 class hours

**Method: (English / Bengali Language)**

**60 hours**

- 1) Nature scope and need need for teaching language – 3 hrs
- 2) Aims and objectives of teaching language and its critical evolution  
- 3 hrs
- 3) Teaching strategies
  - . Inductive deductive, discovery and problem solving approaches
  - . Translation direct structural and humanistic approaches.
  - . Use of teaching aids(With special emphasis to CAL materials) - 12 hrs
- 4) Relevance of teaching language in everyday life.

Role of language teacher in conservation of cultural heritage in our country and modern era. - 12 hrs
- 5) Critical analysis of language syllabi at school level of any one class with reference to the following –
  - a) Eng / Beng skill subject developing learner oriented strategies in listening, speaking, reading, writing, grammar and vocabulary.
  - b) Language, laboratory – use of computer in language learning with special reference, to CALL (computer assisted language – learning)
- 6) Pedagogical analysis of content 18 hrs
  - a) General orientation and content analysis
  - b) Determination of behavioural objectives
  - c) Selection of teaching strategies
  - d) Construction of Ach Tests.

## **METHOD – MATHEMATICS**

1. Nature , scope and need for mathematics – 2 hrs
2. Aims and objectives of teaching the subject: math and its critical evaluation.  
– 8 hrs
3. Teaching strategies
- Inductive, Deductive, Constructive and problem solving approaches 10 hrs
4. Relevance of Mathematics in everyday life, Role of Mathematics teacher in eradication of fear of mathematics, creating a positive image, utilization of math, laboratory, creating low cost math aids
- 10 hrs
5. Critical analysis of math syllabi at school level of any one class with reference to the following heads:
- Significance of the topics,
- Presentation of the concepts
- Connectivity to everyday life and environment
- Need for inclusion / exclusion of topics
- Methods of evaluation / question pattern 15 hrs
6. Pedagogical analysis of content
- . General overview and content analysis
  - . Determination of behavioural objectives
  - . Selection of teaching strategies.
  - . Achievement test construction 15 hrs

