

[Time: 2 Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:
1. Answer **any five** questions from question **number 1** to question **number 8** and question **number 9** is compulsory.
  2. Marks are indicated against **each** questions.
  3. Students answering in **regional languages** should refer to the **paper** in **English** in case of doubt.

Q.1 "Maxims of teaching lead a science teacher in engaging the students in effective learning." [10]  
Illustrate with reference to the use of any three maxims.

Q.2 "Science is instrumental in inculcating socio-cultural values." Elaborate. [10]

Q.3 Explain with appropriate examples the concentric approach of curriculum organization. [10]  
State its merits and limitations.

Q.4 Illustrate the Becher-Biglan typology of classifying academic disciplines with respect to [10]  
nature of knowledge in each type.

Q.5 "The inducto - deductive approach aids discovery learning." Justify. [10]

Q.6 Describe the characteristics of a good Science text book. [10]

Q.7 Elucidate the Laboratory Method of teaching Science with an example. [10]

Q.8 Elaborate on the concept and significance of Improvised Apparatus as a learning resource in [10]  
Science.

Q.9 Answer briefly **any two** of the following. [10]

- a) Basic Science process skills
- b) Use of PEOR in Science teaching
- c) Place of the subject Science in the secondary school curriculum
- d) Diagnostic Testing in Science.

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