

B.Ed. Semester-II Examination 2017
(Pedagogical Knowledge of School Subject - A: Physical Science)
Course – B.Ed. 124

Time : 3 Hours

Full Marks : 70

Questions are of value as indicated in the margin

Group - A

Answer any two questions :

2×15=30

1. Discuss in brief the various steps of Project approach for teaching physical Science. Critically analyze the advantages and limitations of this approach. 8+7
2. What are the aims and objectives of teaching physical science at secondary level? Critically analyze the present curriculum. 7+8
3. Write a lesson plan of 40 mins duration on any one of the following topic mentioning the class for which it is intended. 15
(a) Reflection of light (b) Gravitation (c) Valence (d) Preparation of Carbon di oxide
4. Write a unit plan on any one of the following topic. 15
(a)Waste matter and pollution (for class VII) (b) Water (for class VII)
(c) Acids, Bases and Alkalies (for class VIII) (d) Oxidation and Reduction (for class VIII)

Group – B

5. Answer any six questions:

5×6=30

- (a) Briefly discuss Computer Assisted Instruction (CAI) 5
- (b) Describe briefly the role of Physical Science in daily life and its relevance to modern life. 5
- (c) Explain Science Laboratory as a learning resource of Physical Science.
- (d) Briefly explain the impact of Physical Science with reference to issues related to environment and industrialization. 5
- (e) Describe Science-Technology-Society movement to Physical Science education. 5
- (f) Describe the construction of an improvised apparatus for teaching Physical Science. 5
- (g) Describe briefly Tagore's perspective for teaching Physical Science.
- (h) Explain briefly Concept Attainment Model with respect to method and techniques of teaching-learning.

Group – C

6. Attempt all the questions:

2×5=10

- (a) Mention two demerits of Physical Science curriculum in the secondary level. 2
 - (b) What is the utility of Physical Science club in the School? 2
 - (c) Mention two important equipments of Physical Science for teaching Heat and Temperature. 2
 - (d) Mention two important qualities for a good Physical Science teacher. 2
 - (e) Mention two important relation between Physical Science and Music. 2
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