

B.Ed. Examination 2018
Semester-III
Course : B.Ed. 124-B
Pedagogical Knowledge of School Subjects-B (Physical Science)

Time :3 Hours

Full Marks : 70

Questions are of value as indicated in the margin.

Group-A

Answer any two questions:

15×2=30

1. Discuss in brief the aims and objectives of teaching Physical Science at Secondary level? Analyze the present Physical Science Curriculum of Secondary School. 7+8
2. Briefly discuss the role of improvised apparatus for teaching Physical Science. Describe the construction of two improvised apparatus for teaching Physical Science in the Secondary level. 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) Refraction of light
 - b) Work, Power and Energy
 - c) Acid and Bases
 - d) Preparation of oxygen.
4. Write a unit plan on any one of the following topic: 15
 - a) Light (for class VIII)
 - b) Air (for class VII)
 - c) Preparation of Chemical gases (for class VIII)
 - d) Oxidation and Reduction (for class VIII).

Group-B

2. Attempt any six of the following:

5×6=30

- a) Explain calculator as a learning resource of Physical Science. 5
- b) Briefly describe the role of Physical Science in modern daily life. 5
- c) Briefly discuss Computer Assisted Learning (CAL). 5
- d) Describe briefly the various steps of Problem Solving approach. 5
- e) Describe Science-Technology-Society movement to Physical Science education. 5
- f) Describe the role of Physical Science club for teaching Physical Science in the school. 5
- g) Explain briefly Advance organizer model with respect to method and techniques of teaching learning. 5
- h) Briefly describe Tagore's perspective for teaching Physical Science. 5

PT.O.

Group-C

3. **Attempt all the questions:** **2×5=10**
- a) What is the utility of 'field trip' for teaching Physical Science? 2
 - b) Mention two important equipments of Physical Science for teaching atmospheric Pressure. 2
 - c) Mention two important relation between Physical Science and Geography. 2
 - d) Mention two important qualities for a good Physical Science teacher. 2
 - e) Mention two merits of the reference book. 2
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