

B.Ed. Semester-I Examination 2014
Physical Science
Paper : B.Ed. - 115/116
Pedagogical Content Knowledge of Physical Science

Time : Three Hours

Full Marks : 70

Questions are of value as indicated in the margin.

Question No.1 is compulsory.

1. Prepare a lesson plan on **any one** of the following unit mentioning the components as stated below:
(i) Magnetism [Class-VIII] (ii) Solution [Class - IX] (iii) Chemical bonding [Class-X] 14
 2. Answer **any two** : 2×14=28
 - (a) Discuss the effectiveness of project method in teaching Physical Science with suitable examples. What should a Physical Science teacher do to make his teaching effective? 10+4
 - (b) What are the aims and objectives of teaching Physical Science in secondary level of West Bengal? How far the present curriculum successful to reach these aims and objectives? 8+6
 - (c) What do you mean by improvised apparatus? Describe the construction of a Physical Science improvised apparatus and mention its use in classroom demonstration. 3+7+4
 - (d) Make pedagogical analysis of a unit of content of secondary physical science Text Book. 14
 3. Answer **any two** : 2×8=16
 - (a) Explain Science-Techonology-Society interfaces.
 - (b) Describe problem solving approach of learning.
 - (c) Write short notes on Science club as an educational means.
 - (d) Explain briefly comprehensive and continious evaluation in Physical Science.
 4. Write notes on **any four** : 4×3=12
 - (a) Relation between Physical Science and Mathematics.
 - (b) Educational value of Field trip in Physical Science.
 - (c) Role of Physical Science teacher in popularisation of science.
 - (d) Chemistry Laboratory in school.
 - (e) Teaching Physical Science by CAI
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