

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

Time : Three Hours

Full Marks : 70

Questions are of value as indicated in the margin.

Question No.1 is compulsory

1. Write a lesson plan on any one of the topics indicating the class for which it is intended: $14 \times 1 = 14$
 - (a) Diffusion
 - (b) Complete flower
 - (c) Cell
 - (d) Any topic from class IX (Life Science)
 2. Answer **any two** of the following : $14 \times 2 = 28$
 - (a) Describe the values of Teaching Life-Science in secondary schools. 14
 - (b) What do you mean by micro-techning? How does it help in effective teaching of Life Science. Explain clearly the micro-teaching cycle. $(2+4+8)=14$
 - (c) List up the specific skills and competencies required by a life Science teacher to be effective in teaching-learning process. 14
 - (d) Explain the utility of the project method for the instruction of Life-Science in secondary schools. Mention a topic of life science and show how you propose to deal the topic by the project method. $8+6=14$
 3. Answer **any two** questions : $2 \times 8 = 16$
 - (a) Write short note on Recomendations of Kothari Commission (1964-1966) for Life-Science teaching in school. 8
 - (b) What do you mean by lesson planning? Discuss the advantages of planning a lesson. 3+5
 - (c) Explain the concept of Measurement, Assesment and Evaluation with help of Example. What is Continuous and Comprehensive Evaluation (C.C.E)? $2+2+2+2=8$
 - (d) Describe the Bloom's taxonomy of educational objectives and what is revised Bloom's taxonomy? $5+3=8$
 4. Write notes on **any four** of the following : $3 \times 4 = 12$
 - (a) The use of audio-visual aids in teaching Life-Science.
 - (b) Relation of Life-Science to Physical Science.
 - (c) National Institute of Nutrition (NIN)
 - (d) The role of Life Science in everyday life.
 - (e) Effectiveness of Formative Evaluation.
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