

Class : I.B.Ed

Major: Biological Science and English

Time: 2 Hrs.  
Max. Marks: 60

18BDSB 12 / 18BEDB12 : Methods and Techniques of Teaching Biological Science

Course Outcomes:

- CO1: Identifies the components of different micro teaching skills
- CO2: Provide constructive, focused feedback to fellow participants on micro training activities.
- CO3: Reflect on and assess micro training as a teacher development tool.
- CO4: Apply the micro teaching skill in their teaching sessions.
- CO5: Practice the different methods and techniques of teaching.
- CO6: Select and plan the academic activities for an year, month and week.
- CO7: Compare and contrast the different approaches in lesson planning
- CO8: Design different individualized instruction modules.

PART – A 5 x 1 = 5

Choose the correct answer

1. The total number of steps in Herbartian model of Lesson planning is \_\_\_\_\_ CO7 K3
2. Lesson plan is a \_\_\_\_\_ CO7 K2
  - a. 5
  - b. 6
  - c. 7
  - d. 8
3. The best science teacher is one of \_\_\_\_\_ CO6 K5
  - a. plan of action
  - b. training technique
  - c. planning for decision
  - d. skill of writing
4. Programmed Instruction is one of \_\_\_\_\_ techniques. CO8 K4
  - a. inserter
  - b. inspirer
  - c. explainer
  - d. demonstrator
5. Which one of the following is the important method of developing students intellectual maturity? CO5 K1
  - a. self learning
  - b. group learning
  - c. socialized recitation
  - d. remedial
6. Write the importance of lesson plan. CO7 K2
7. What is guided enquiry in education? CO5 K3
8. What do you mean by self learning? CO8 K5
9. Write any two important role of the teacher. CO6 K2
10. Write the importance of personalized system of Instruction in learning science. CO8 K6

PART – B

5 x 2 = 10

Answer the following in one or two sentences

6. Write the importance of lesson plan. CO7 K2
7. What is guided enquiry in education? CO5 K3
8. What do you mean by self learning? CO8 K5
9. Write any two important role of the teacher. CO6 K2
10. Write the importance of personalized system of Instruction in learning science. CO8 K6

PART – C

3 x 5 = 15

Answer ALL Questions

Answer should not exceed 200 words or one page

11. a. Explain about buzz session and role play. CO5 K3
11. b. Write short notes on 'Discovery approach'. (or) CO7 K1
12. a. Bring out the importance of lesson planning. CO7 K5
12. b. What are the things to be kept in your mind during planning a unit plan? (or) CO6 K6

13. a. List out the merits and demerits of self learning. CO8 K5  
 b. Estimate the worth of programmed instruction. CO8 K3

**PART - D 2 x 15 = 30**

Answer the following

Answer should not exceed 700 words or four pages

14. a. Why should a biology teacher prepare and plan the lessons in advance for the teaching of biology? CO6 K3  
 (or)  
 b. State the significant features of good Herbarian steps in teaching of biology. CO7 K3
15. a. Evaluate the role of Computer Assisted Instruction in the teaching of Biological Science. CO8 K5  
 (or)  
 b. What are the difference types of programmed instruction and prepare a model of any one type. CO8 K4