

**Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University) Coimbatore – 641 043**

Bachelor of Education Degree Examination – April 2018
II Semester

Class : I B.Ed. / I B.Ed Spl. Edn.

Time: 3 Hrs
Max. Marks: 100

**17BEDB12 / 17BDSB12 School Subject I : Methods and Techniques of Teaching
Biological Science**

Part – A
Choose the correct answer

10 X 1 = 10

1. Micro teaching focuses on the competency over
 - a. Method
 - b. Skills
 - c. Contents
 - d. Techniques
2. What is the merit of microteaching ?
 - a. Feedback helps in the improvement of method of teaching
 - b. Due to shortage of time you divide the lesson plan into small units and thus gain mastery over the content
 - c. It helps in self evaluation and teacher build up confidence in them
 - d. all of the above
3. Which is more suitable in teaching of science?
 - a. Lecture method
 - b. Demonstration method
 - c. Discussion method
 - d. Project method
4. The ultimate focus of scientific method is on
 - a. Hypothesis formulation
 - b. Observation
 - c. Experimentation
 - d. Formulation of a law or theory
5. We move from specific to general in
 - a. Inductive method
 - b. Deductive method
 - c. Drill method
 - d. Discussion method
6. Which is not the advantage of team teaching ?
 - a. Better utilization of resources
 - b. Better planning
 - c. Better use of teaching techniques
 - d. Better financial benefits of teachers
7. Which one is not the type of lesson plan prepared on the basis of objectives ?
 - a. Micro lesson plan
 - b. Cognitive lesson plan
 - c. Affective lesson plan
 - d. Psychomotor lesson plan
8. Steps in unit plan is
 - a. 5
 - b. 6
 - c. 4
 - d. 7
9. Which is not the mode of CAI ?
 - a. Tutorial mode
 - b. Drill mode
 - c. Simulation mode
 - d. Question mode
10. The pioneer who developed teaching machine was
 - a. Skinner
 - b. Fred Keller
 - c. Sydney L Pressey
 - d. Gilbert

Part – B

5 X 6 = 30

Answer the following questions

Answer should not exceed 400 words or two pages

11. a. Explain micro teaching cycle.
(or)
11. b. Describe the Skills of Stimulus Variation.
12. a. What is Scientific method? What are its advantages and limitations ?
(or)
12. b. What are the requisites of a good demonstration ?
13. a. How a Seminar is conducted ? Mention its advantages and limitations.
(or)
13. b. Write a note on Panel discussion.
14. a. Enumerate the importance of lesson plan.
(or)
14. b. What is unit plan? What are its limitations ?
15. a. What is programmed instruction and state its uses.
(or)
15. b. Explain Computer Assisted Instruction and its uses.

Part – C

5 X 12 = 60

Answer the following questions

Answer should not exceed 800 words or four pages

16. a. Explain the important of skill of explaining.
(or)
16. b. State the sources of identifying teaching skills and enumerate the principles of microteaching.
17. a. Illustrate with suitable example the various steps involved in the scientific method.
(or)
17. b. Explain the features of 'Lecture demonstration' method of teaching and its merits and demerits.
18. a. Explain the inductive and deductive method in Biology teaching and mention its merits and limitations.
(or)
18. b. How a Seminar is conducted? Mention its merits and limitations. How is it different from a Symposium ?
19. a. State the characteristics and advantages of Unit Plan.
(or)
19. b. Explain the Herbartian steps in lesson planning and state the criteria of a good lesson plan.
20. a. Discuss the different types of self learning techniques and mention the advantages of it.
(or)
20. b. Explain the different types of programmed instruction with illustration.
