Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor of Education / B.Ed. Special Education (HI) Degree Examination – May 2024
II Semester

Class : I B.Ed. **Time** : 3 Hours
School Subject : Biological Science and English **Max. Marks** : 100

Class : I B.Ed. Special Education
Specialization : Hearing Impairment and Biological Science

23BEDB12 /23BDSB12 School Subject I: Methods and Techniques of Teaching Biological Science

Course Outcomes:
CO1: Identify the components of different micro teaching levels
CO2: Provide constructive focussed feedback to fellow participants on microteaching activities, reflect on and assess micro training as a teacher development tool
CO3: Apply the micro teaching skills in their teaching sessions
CO4: Practice the different methods and techniques of teaching
CO5: Select and plan the academic activities for a year, month and week

Part A **10 X 1 = 10**
Choose the Correct Answer

1. _____is the scaled down teaching technique. CO1 K2
a. Micro teaching b. Macro teaching
c. Team teaching d. Teaching Skill

2. Real Classroom level where teaching learning take place indicates _____ level. CO1 K4
a. Micro b. Macro c. Individual d. all the above

3. Chalk and talk method is _____ method. CO2 K6
a. Project b. Lecture
c. Assignment d. Link lesson

4. Instruction cards are used in _____ method. CO2 K2
a. Assignment b. Demonstration
c. Laboratory d. Project

5. _____ method proceeds from general to particular. CO3 K5
a. Inductive b. Deductive c. Guided d. Unguided

6. Attitude of a discoverer is developed by CO3 K2
a. Discovery approach b. Buzz session c. Team teaching d. Brain storming

7. Specific Instructional Objectives is otherwise called as CO4 K4
a. General Instructional Objectives b. Non-behavioural Objectives
c. Behavioural Objectives d. Teaching Objectives

8. Herbartian lesson plan consists of _____ steps. CO4 K3
a. 3 b. 4 c. 5 d. 6

9. Linear programming was developed in CO5 K1
a. 1942 b. 1947 c.1946 d. 1948

10. Personlized System of Instruction was introduced by CO5 K1
a. Ivan Pavlov b. Sidney L. Pressey c. Fred Keller d. Robert M. Gagne

Part B 5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

11.a. Define – Micro teaching. Explain the micro teaching cycle.	CO1 K1
(or)	
11.b. Mention any five principles of micro-teaching objectives.	CO1 K2
12.a. Enumerate the characteristics of Biographical and Historical method.	CO2 K1
(or)	
12.b. Point out the types and advantages of team teaching.	CO2 K4
13.a. Summarize the merits and demerits of Seminar method.	CO3 K2
(or)	
13.b. List out the benefits of Brainstorming.	CO3 K3
14.a. Express your views on Writing Instructional Objectives in a lesson plan.	CO4 K6
(or)	
14.b. Trace out the importance of lesson plans in Teaching of Biological Sciences.	CO4 K2
15.a. Self Learning is essential'- Discuss.	CO5 K2
(or)	
15.b. Write a short note on Personalized System of Instruction.	CO5 K3

Part C 5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

16.a. Discuss the components of Skill of Stimulus Variation and Skill of Reinforcement.	CO1 K2
(or)	
16.b. Write about the skill of illustrating the concept with suitable examples.	CO1 K6
17.a. Explain the importance and steps involved in Scientific method.	CO2 K3
(or)	
17.b. Examine how Project Method is important in Teaching Biological Science.	CO2 K3
18.a. Compare Inductive Approach and Deductive Approach with suitable examples.	CO3 K2
(or)	
18.b. Discover the role of a teacher in Enquiry and Discovery approaches.	CO3 K2
19.a. Select a topic in Biology and develop a lesson plan using Herbartian steps.	CO4 K4
(or)	
19.b. Analyse about the Preparation and uses of Unit Plan.	CO4 K5
20.a. Describe the various types of programmed instruction.	CO5 K2
(or)	
20.b. Evaluate the role of Computer Assisted Instruction in Teaching of Biological Science.	CO5 K5

****