

PEDAGOGY OF BIOLOGICAL SCIENCE

2 Marks

1. What do you mean by the nature of Science?
2. Define “Cognitive domain”
3. What are the components of cognitive domain?
4. What do you mean by ‘Affective domain”.
5. List out the components of Affective domain.
6. Define “Psychomotor domain”
7. What are the components of psychomotor domain?
8. Differentiate between curriculum and syllabus.
9. What are the three Educational goals of curriculum?
10. Define BSCS.
11. What do you mean by Nuffield foundation Biological Science technology project.
12. Define pedagogical analysis.
13. What do you mean by ‘Symposia’?
14. Define: Team Teaching method of teaching biological Science.
15. Define: Demonstration lecture method.
16. What do you mean by questioning skill?
17. List out the components of reinforcement skill?
18. What is a teaching skill?
19. List various skills of teaching.
20. What is stimulus variation?
21. Define Cone of Experience.
22. List out First Aid Kit for science Laboratory.
23. Define e-learning.
24. Differentiate between ABL & ALM.

25. Write the formula for Mean, Median, Mode, Range, Mean Deviation, Quartile Deviation, Standard Deviation, Rank order correlation.

5 Marks

1. Explain the analysis of the content course of upper primary standards VI, VII & VIII.
2. Describe the analysis of the content course of standards IX – X Science text books. Prescribed by Govt. of Tamil Nadu.
3. Explain the need and significance of teaching Biological Science.
4. Describe the Microteaching and its uses.
5. Explain Herbartian steps in lesson plan.
6. What are the principles of curriculum construction?
7. Explain Edgar Dale's cone of Experience.
8. Classify the teaching aids.
9. Explain Science Exhibition.
10. Explain teaching and learning styles.
11. Describe analytic, Synthetic, Inductive & deductive teaching biological Science.
12. What are the difficulties in learning Biological science?
13. Explain the characteristics of slow learners and gifted learners in Biological Science.
14. Describe the components of class room management.
15. Explain the construction of Achievement test.

10 Mark

1. Explain Anderson's revised bloom taxonomy.
2. Write an essay on microteaching.
3. Describe integration and organization of biological science curriculum.
4. Explain projected and non-Projected aids.
5. List out all the methods of teaching biological science.
6. What are the techniques of teaching biological science?
7. Describe the issues in teaching and learning biological science.
8. List out all the diverse needs of students.
9. Write an essay on classroom management.
10. Explain the Evaluation of teaching and learning biological Science.