

18BEDB11/18BDSB11 School Subject I: Introduction to Biological Science Education

Course Outcomes

- CO1: Describe the nature and scope of Biological Science
CO2: Identify and facilitate development of scientific attitudes in learners
CO3: Correlate the concepts in Biological Science with science
CO4: formulate the inter relationship of Biological Science with other subjects using illustrations
CO5: acquaint with the aims objectives of teaching Biological Science

PART A

Choose the correct answer

5 x 1 = 5

1. No success of science is achieved without being?
a. Devotion b. Tolerance c. Non-Violence d. Truth
CO1 K1
 2. A man with scientific attitude is?
a. gentle b. rigid c. flexible d. Open minded
CO2 K2
 3. The best science teacher is one of
a. Inserter b. inspirer c. explainer d. demonstrater
CO1 K4
 4. Biology teaching can contribute more for the development of _____ value CO1 K5
a. Moral b. Cultural c. social d. aesthetic
 5. The learning of Biology will be imperfect and incomplete without this correlation of the subjects
CO1 K2
CO1 K2
- a. Mathematics, Geography, History b. Music and fine Arts c. Engineering d. Numerology
5 x 2 =10

PART B

Answer the following in one or two sentences

6. How will you apply incidental correlation in Biological science teaching? CO3 K3
7. What are main functions of Science teaching? CO1 K2
8. Suggest two methods to improve the observation skill in children. CO2 K2
9. How will you create scientific interest in your pupils? CO2 K5
10. List the six basic process skills in science? CO1 K4

PART C

3 x 5 = 15

Answer ALL Questions

Answer should not exceed 200 words or one page

11. a. Biology is learnt ore arnidst than when it is taught inside the classroom. Discuss CO1 K4
(or)
11. b. Briefly explain how the knowledge of Biology improves our reflective thinking? CO2 K6
12. a. Science is both a process and a product. Discuss CO1 K4
(or)
12. b Explain the need of interdisciplinary approach in teaching science. CO1 K3
13. a Explain how teaching of life science teaching can be used for effecting social changes. CO5 K5
(or)
13. b. What are the advantages of correlated teaching? Illustrate how you would correlate Biological science with Physical Science CO3 K4

Part D

2 x 15 = 30

Answer the following

Answer should not exceed 700 words or four pages

14. a. Science is the breath of our nostril, science is the thought of our day and dream at night.”
Comment. CO5 K6
(or)
14. b. Define Scientific Method. State the “steps” involved in the scientific method of thinking. How will you develop scientific method of thinking through your teaching? CO2 K6
15. a. Explain the concept of Correlation. Describe the different types of correlation, using examples from Biological Sciences. CO4 K2
(or)
15. b. What is scientific Attitude? How can a science teacher help his students to develop scientific attitude? CO2 K5