

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

Bachelor of Education Degree Examination – November 2018

I Semester

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

Time: 3 Hrs
Max. Marks: 100

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

Part – A

10 X 1 = 10

Choose the Correct Answer

1. Science is best described as a
 - a. set of facts
 - b. way of knowing
 - c. collection of beliefs
 - d. list of rules
2. Scope of science is
 - a. characteristics of science
 - b. utility of science
 - c. cultural value of science
 - d. all the above
3. Affective domain has _____ components.
 - a. 6
 - b. 5
 - c. 4
 - d. 7
4. Why should a teacher be an idealist and set examples ?
 - a. Students do not have values
 - b. Students usually imitate teachers
 - c. Teacher is a matured person
 - d. Teacher is a philosopher
5. Which of the following is are the characteristics of a person with scientific attitude ?
 - a. Adventure
 - b. Sharp memory
 - c. Objectivity
 - d. All the above
6. Of the following, which is not the quality of a good teacher ?
 - a. Control over emotions
 - b. Good command over the subject
 - c. Physical ill health
 - d. Sense of humour
7. Which is not the major programme sector of UNESCO ?
 - a. Education and culture
 - b. Natural sciences
 - c. Social sciences
 - d. Psychology
8. Educational objectives have been classified under _____ domains.
 - a. two
 - b. three
 - c. four
 - d. five
9. The classification of cognitive domain was presented by
 - a. Benjamin S. Bloom
 - b. Skinner
 - c. Krathwhol
 - d. Simpson
10. The idea of Four Pillars of Education was suggested by
 - a. UNICEF
 - b. UNESCO
 - c. NCTE
 - d. UGC

Part – B

5 X 6 = 30

Answer the following questions

Answer should not exceed 400 words or two pages

11. a. Explain the nature of science.
(or)
11. b. Describe how science acquired its significance in the school curriculum.
12. a. Sketch out the relationship between science and society.
(or)
12. b. What do you mean by interdisciplinary approach ?
13. a. Distinguish Aims and Objectives.
(or)
13. b. Explain how teaching of Biology inculcates moral values among students.
14. a. Enumerate the role of NCERT in developing science education.
(or)
14. b. Briefly explain on the classification of cognitive domain objectives.
15. a. Explain any six characteristics of a profession.
(or)
15. b. Why teaching is considered as a profession ?

Part – C

5 X 12 = 60

Answer the following questions

Answer should not exceed 800 words or four pages

16. a. Discuss the following two approaches : “Science as a body of knowledge and Science as a method of enquiry”.
(or)
16. b. “Science is both a process and a product” – Explain.
17. a. Describe how biology teaching could be related to the physical environment of pupils.
(or)
17. b. What is scientific attitude? How will you develop scientific attitude in your students ?
18. a. Explain the aims and objectives of teaching biological science at higher secondary level.
(or)
18. b. Explain Bloom’s Taxonomy of educational objectives.
19. a. Discuss how science has developed in the classroom with the advent of technology.
(or)
19. b. Explain the contribution of Louis Pasteur to Biology.
20. a. Discuss the use of the Internet for Teacher Professional Development and for Teaching.
(or)
20. b. Summarise the role of NCERT for the professional growth of a teacher.
