



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

Bachelor of Education Degree Examination – April 2019
IV Semester

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

Time: 3 Hrs
Max. Marks: 100

17BEDB14/17BDSB14 School Subject I : Professionalising Biological Science
Education

Part – A

Choose the correct answer

10 X 1 = 10

1. Pedagogy is
 - a. Science and art of education
 - b. Study of being a teacher
 - c. A style of instruction
 - d. All the above
2. Which is not a pedagogical approaches
 - a. constructivism
 - b. inquiry- based
 - c. collaborative
 - d. concept mapping
3. Values promoted through textbook development is
 - a. Moral values
 - b. Religious values
 - c. Social values
 - d. all the above
4. Secondary source textbooks are
 - a. dictionaries
 - b. encyclopaedia
 - c. textbooks
 - d. all the above
5. Technical re-usability of e-content is concerned with
 - a. standardization initiatives
 - b. intellectual property protection
 - c. knowledge transfer
 - d. the various kinds of tools used to support e-content
6. Which of the following is an authoring tool
 - a. Electrical and Electronics Engineers
 - b. Adobe Captive
 - c. Learning object
 - d. Learning Management System
7. Action research is
 - a. An applied research
 - b. A longitudinal research
 - c. A research carried out to solve immediate problems
 - d. all the above
8. The teacher selects a topic of science to be taken as research topic for the students who are
 - a. Already doing very well in the class
 - b. Average performers in the class
 - c. Having learning difficulty in the science subject
 - d. None of the above
9. Which of the following can be exhibited in science exhibition/science fair ?
 - a. science related films
 - b. Pictures, Models
 - c. specimens, Scientific informations
 - d. All of these
10. It is important to organize local/town/state level scientific competitive activities because
 - a. It entertains teachers
 - b. It gives financial support to organisers
 - c. It invents/discovers the scientific talent amongst the children
 - d. Students make use of their time



Part – B

5 X 6 = 30

Answer the following questions

Answer should not exceed 400 words or two pages

11. a. Write the objectives of Pedagogic analysis.
(or)
11. b. List out the need for Pedagogic analysis.
12. a. List out the characteristics of a text book.
(or)
12. b. Mention the importance of the text book.
13. a. What is e-content ? Write the importance of e-content.
(or)
13. b. Write the need for e-content development.
14. a. Describe the variables of research.
(or)
14. b. What are the characteristics of research ?
15. a. Mention the activities of science clubs.
(or)
15. b. Enumerate the objectives of a science club.

Part – C

5 X 12 = 60

Answer the following questions

Answer should not exceed 800 words or four pages

16. a. Explain the steps involved in Pedagogic analysis.
(or)
16. b. Discuss the principles of Pedagogy.
17. a. "The teachers are mobile text books" - Justify the above statements.
(or)
17. b. Discuss the qualities of a science text book.
18. a. Explain the different phases of e-content development.
(or)
18. b. Describe different models of e-content development.
19. a. Define Action Research. Enumerate the steps in Action Research.
(or)
19. b. Differentiate Applied Research and Action Research.
20. a. How will you organize science fairs ? Explain with the steps involved in this.
(or)
20. b. Discuss the need and importance of co curricular activities and list out the guidelines to conduct co-curricular activities.