



Murugan

## 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 (VI/VI) Degree Examination - January 2022 III semester

Class : II B.Ed. / II B.Ed. Special Education (VI)

Time : 3 Hours

Max. Marks : 100

#### 18BEDB13 / 18BDSB13 School Subject II: Curriculum and Resources in Biological Science Education

#### Course Outcomes:

CO1: Identify the components of different micro teaching skills

CO2: Operate the different educational technology gadgets

CO3: Design and arrange a science laboratory and prepare the registers required for a lab

CO4: Demonstrate the ways of administering first aid

CO5: Catalogue the periodicals and books in the library

CO6: Construct and validate diagnostic test and achievement test

#### Part A

10 x 1 = 10

#### Choose the Correct Answer

- The curriculum principle that allows necessary changes in its contents and methods as per the changing needs and situations is CO1 K2
  - Principle of Integration
  - Principle of Motivation
  - Forward looking Principle
  - Principle of Flexibility
- Curriculum revision should be a/an \_\_\_\_\_ process. CO1 K2
  - abrupt
  - continuous
  - gradual
  - relative
- When students are instructed to observe the events, organisms and objects in their natural surroundings, the teacher is actually using \_\_\_\_\_ strategy. CO2 K3
  - field observations
  - class observations
  - practical assessment
  - none of the above
- Out of the following which is not an example of visual aids? CO2 K3
  - Real objects
  - Models
  - Pictures
  - Radio
- While doing laboratory experiments, if a chemical get into your mouth, you should CO4 K4
  - spit it out
  - rinse your mouth
  - visit a doctor
  - all the above
- To prevent the contamination of microscopes and surrounding areas disinfect/clean the used slides with CO3 K4
  - 70% ethanol and lens paper
  - acetone and lens paper
  - 5% methylene blue and lens paper
  - water and lens paper
- Which type of books should be weeded in a library? CO5 K2
  - Superseded editions
  - Thesaurus
  - Dictionary
  - Encyclopaedia
- INFLIBNET headquarters is located at CO5 K1
  - Ahmedabad
  - New Delhi
  - Bangalore
  - Chennai
- Continuous and Comprehensive Evaluation means CO6 K1
  - summative and formative assessment
  - more frequent tests and examination
  - routine activities and exercises to assess learning
  - evaluation of all aspects of science
- An assessment used to determine a person's ability in a particular field of studies is called CO6 K2
  - aptitude test
  - diagnostic test
  - evaluation
  - measurement

**Part B**  
**Answer ALL questions**  
**Each answer should not exceed 400 words or two pages**

5 x 6 = 30

- 11.a. Differentiate between curriculum and syllabus. (any six) CO1 K2  
(or)
- 11.b. Brief the principles of curriculum construction. CO1 K2
- 12.a. Describe the steps in preparing Herbarium. CO2 K3  
(or)
- 12.b. Write the importance of Museum in Biological science education. CO2 K3
- 13.a. Enumerate the records to be maintained in a biology laboratory. CO3 K2  
(or)
- 13.b. How will you preserve specimens in biology? CO3 K4
- 14.a. Describe the criteria for selecting books for a science library. CO5 K2  
(or)
- 14.b. Write a note on ERIC. CO5 K2
- 15.a. Explain the need and importance of CCE. CO6 K4  
(or)
- 15.b. Describe the evaluation criteria for seminar and project. CO6 K5

**Part C**  
**Answer ALL questions**  
**Each answer should not exceed 800 words or four pages**

5 x 12 = 60

- 16.a. Explain BSCS Nuffield foundation. CO1 K2  
(or)
- 16.b. Discuss the various approaches to curriculum organisation. CO1 K4
- 17.a. Describe the general values of audio visual presentation in biology. CO2 K6  
(or)
- 17.b. Explain the utility of real objects in teaching of biology. CO2 K3
- 18.a. Elaborate the planning and organisation of a biological science laboratory. CO3 K2  
(or)
- 18.b. Discuss the first aid measures for common laboratory accidents and safety management. CO4 K4
- 19.a. As a science teacher, how will you organise a science library? CO5 K2  
(or)
- 19.b. Explain the role of INFLIBNET in growth and development of higher education. CO5 K5
- 20.a. Elucidate the procedure for construction and administration of achievement test. CO6 K2  
(or)
- 20.b. Discuss the various types of test items with suitable illustrations. CO6 K3

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