

2659/1

FACULTY OF EDUCATION

B.Ed. (I Semester) Examination

PEDAGOGY OF BIOLOGICAL SCIENCES

Paper IV (a) (ii)

Time : 3 Hours]

[Max. Marks : 70]

Part A – (Marks: $5 \times 4 = 20$)

*Answer any five questions in about one page each from the following eight questions.
Each question carries 4 marks.*

1. How are observations and inferences different? Give an example.
2. Science helps in bringing all countries together. Justify this statement.
3. Write an example of the great scientist that reflect the importance of respect of evidence and open-mindedness in Biological Science.
4. Differentiate Teacher-centered and learner-centered learning objectives.
5. Write the pedagogical shifts recommended by NCF-2005.
6. List the steps of content-cum-methodology.
7. Write a short note on 'Gender and Science'.
8. How do you relate Biological Science Education to Technology? Illustrate.

Part B – (Marks: $5 \times 10 = 50$)

Answer any five essay questions in about three pages each from the following eight questions. Each question carries 10 marks.

9. Discuss what aims can be achieved through teaching-learning of the concept 'Interaction between living and non-living' to high school students.
10. 'Aims and learning objectives of Biological Science operate in close conjunction with each other'. Comment.
11. Taking example of any concept in Biology, discuss how growth of scientific knowledge has taken place over years.
12. Explain, giving at least one example, how science is tentative in nature. What implication does it have for the study of science?
13. Make a list of actions you would undertake to reduce air, water and soil pollution in your surroundings.

- 14 . **List some superstitious practices prevailing in society. Suggest how would you tackle with such issues with your students in the classroom.**
- 15 **What are the different knowledge dimensions proposed by Anderson and Krathwohl? Give examples for each one of them.**
- 16 **In a multicultural society today, there is a greater need to inculcate strong social values in students. Express your opinion about it.**

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