

**F 4965**

(Pages : 2)

Reg. No.....

Name.....

**B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION  
NOVEMBER 2015**

**First Semester**

**Pedagogic Course**

**EDU 104.18—UNDERSTANDING THE DISCIPLINE OF NATURAL SCIENCE EDUCATION**

[Regular (Two Year Course), 2015 Admission onwards]

Time : Two Hours

Maximum : 50 Marks

**Part A**

*Answer all the questions in one or two sentences each.*

*Each question carries 1 mark.*

1. Serendipity helps Alexander Fleming famous-to make a social change. Substantiate.
2. Write any *two* contribution of Gregor mendel to the field of genetics.
3. Name any *two* processes which help to develop the products life facts and concepts.
4. Name any *two* topics through which any two superstitions can be removed.
5. Suggest any *two* topics in Biology where aesthetic sense can be developed.
6. Mention any *two* aims of teaching Biology.
7. Suggest any topics from Biology which are examples of correlation of different branches of biological science.
8. "The principle of Osmosis and fermentation is effectively used in our kitchen." Give examples for this.
9. Name any *two* behavioural psychologists.
10. What is mean by ZPD ?

(10 × 1 = 10 marks)

**Part B**

*Answer any five questions in about half a page each.*

*Each question carries 2 marks.*

11. Distinguish between Interpersonal and Intrapersonal intelligence.
12. How can we avoid stigma against AIDS in common people ?
13. Name any *two* traditional customs which now appears to have a scientific base. Explain the relation between these customs and the scientific principle behind it.
14. "It is not good to kill even a poisonous snake." Comment on the statement.

Turn over

15. Write your suggestion regarding the role of Natural Science in energy conservation.
16. Natural science helps Indian Railways to develop Bio toilets. Comment on. (5 × 2 = 10 marks)

### Part C

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

17. What is meant by bioinformatics ? List the concepts in this subject which illustrate the correlation of ICT and Biology.
18. How can you foster creativity among your students ?
19. What are communicable diseases ? Explain the ways to reduce them.
20. Development of Bio-pesticides is a need of the hour. Comment on.
21. Explain the scope of Natural Science.
22. Explain interdependent nature of process and products.
23. What is the role of a teacher to develop scientific skills and process of exploration in students ? (5 × 4 = 20 marks)

### Part D

*Answer any one question in about four pages.  
The question carries 10 marks.*

24. "Experimenting" is a high level of process of science teaching. List out its steps. Suggest the benefits of conducting experiments. Write any three experiments in Biology with procedures and suitable evaluation points.
25. Explain the General Objectives of Natural Science at Higher Secondary Level. (1 × 10 = 10 marks)