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(Pages : 2)

Reg. No.....

Name.....

B.Ed. (CREDIT AND SEMESTER) DEGREE EXAMINATION, NOVEMBER 2017

First Semester

Pedagogic Course

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

(Two Year Course—2015 Admission onwards)

[Regular/Supplementary]

Time : Two Hours

Maximum : 50 Marks

Part A

*Answer all questions in one or two sentences each.
Each question carries 1 mark.*

1. Define scientific attitude.
2. What do you mean by logical Intelligence ?
3. Give one contribution of M.S. Swaminathan.
4. Who is the exponent of social constructivism ?
5. List two branches of Applied Life Science.
6. Give two goals of Secondary School Science Education.
7. Define zone of Proximal development.
8. Write one contribution of J.C. Bose.
9. Define critical pedagogy.
10. Name an educationalist concerned with Behaviourism.

(10 × 1 = 10 marks)

Part B

*Answer any five questions in about half a page each.
Each question carries 2 marks.*

11. Describe the concept of cognitive constructivism.
12. Distinguish between aims and objectives.
13. Write the components of creativity.
14. Write four features of science as a discipline.

Turn over

15. What do you mean by Basic Science ?
16. Explain the term 'culture of silence'.

(5 × 2 = 10 marks)

Part C

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

17. 'Science is what the scientist do'—Substantiate.
18. How could you foster scientific Attitude ?
19. Give two situation where science learning remove superstitions.
20. Elucidate two situations where life science is correlated with earth science.
21. Explain two discoveries that made remarkable social change.
22. List two programmes of government to protect Natural resources.
23. Explain the concept of Interdisciplinary approach.

(5 × 4 = 20 marks)

Part D

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

24. Fostering Multiple Intelligence in science classroom is a challenging task. Substantiate.
25. Describe the Process and Product approach with a suitable illustration.

(1 × 10 = 10 marks)