



24805426

QP CODE: 24805426

Reg No :

Name :

**B.Ed DEGREE REGULAR/REAPPEARANCE / MERCY CHANCE EXAMINATIONS,
OCTOBER 2024**

First Semester

BACHELOR OF EDUCATION

**PEDAGOGIC COURSE - EDU104.18 - UNDERSTANDING THE DISCIPLINE OF
NATURAL SCIENCE EDUCATION**

2019 Admission Onwards

E4E5BDD9

Time: 2 Hours

Max. Marks : 50

Part A

*Answer **all** questions*

*Each question carries **1** mark.*

1. What was Alexander Fleming's first discovery?
2. List any two applications of science.
3. Write any two ways to develop the skill of natural observation among students.
4. Name two measures to control population explosion.
5. List any two topics in Biology that can be taught in correlation with Physics.
6. Give any two broad aims of teaching Natural Science at school level.
7. What do you mean by scientific temper ?
8. Write any two objectives of psychomotor domain.
9. Write any two specifications of the objective remembering.
10. Give any two integrated process skills in Science.

(10×1 = 10)

Part B

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

*Each question carries **2** marks.*

11. List any four applied branches of Natural Science.
12. Compare the logical and technical process of science.
13. What are communicable diseases?





14. What is Fumigation?
15. Explain the interdisciplinary nature of Natural Science.
16. Distinguish objectives from specifications.

(5×2 = 10)

Part C

*Answer any **five** questions in about **one or two** pages*

*Each question carries **4** marks.*

17. Briefly explain the Nature of science.
18. Elaborate the significance of Mill's five canons of induction in scientific method.
19. "Many of the personal and social issues of the present have a strong scientific component." Justify the statement by giving suitable examples.
20. Explain the general objectives of teaching Natural Science at the secondary school level.
21. Differentiate between objective based instruction and evaluation with suitable example.
22. Objectives remain central, both to teaching and evaluation. Substantiate.
23. Explain the concept of competency based instruction with an example.

(5×4 = 20)

Part D

*Answer any **one** question in about **three or four** pages.*

*Each question carries **10** marks.*

24. Enumerate the importance of including Science as a school subject.
25. (a) What is Scientific attitude? (b) Elucidate the characteristics of a person having scientific attitude. (c) As a teacher how will you inculcate this in your students?

(1×10 = 10)

