

QP CODE: 221200053A



Reg No :

Name :

B.Ed DEGREE REGULAR/SUPPLEMENTARY EXAMINATIONS, SEPTEMBER 2022

Second Semester

BACHELOR OF EDUCATION

**PEDAGOGIC COURSE - EDU204.18 - PEDAGOGICAL DIMENSIONS OF
NATURAL SCIENCE**

2018 Admission Onwards

38392663

Time: 2 Hours

Max. Marks : 50

Part A

Answer all questions

Each question carries 1 mark.

1. What is scaffolding?
2. Write any two benefits of year planning.
3. What is meant by lesson planning?
4. Give a good example for multiple choice test item.
5. List any two merits of student self - evaluation.
6. What is the purpose of virtual labs?
7. List out the digital resources that can be used in a science lab.
8. Define species.
9. Mention the digestive role of liver.
10. Name the excretory organ in insects.

(10×1 = 10)

Part B

Answer any five questions in about half a page

Each question carries 2 marks.

11. State Piaget's cognitive learning theory.
12. What is the significance of planning for instruction?





13. Write any two characteristics of a unit plan.
14. Mention the significance of remedial teaching in biology classes.
15. Write any four criteria for evaluating teaching competencies.
16. Select a topic from the unit 'Windows of knowledge' of standard X that can be taught through interdisciplinary approach.

(5×2 = 10)

Part C

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

Each question carries **4 marks**.

17. What are multiple intelligences? Suggest ways for implementing multiple intelligence theory in the science classroom.
18. Critically analyse the significance of constructivist approach in lesson planning for science teaching.
19. What is a blueprint? What are its advantages?
20. Elaborate the pedagogical strategies you would employ while teaching the morphological characteristics of an organism in secondary level.
21. Give the scope and challenges of TPCK.
22. Suggest and explain any two appropriate improvised teaching aids to demonstrate 'Different types of joints'.
23. Elucidate the role of vaccination in the present context. Give any two follow up activities to the topic " Vaccination".

(5×4 = 20)

Part D

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

Each question carries **10 marks**.

24. Discuss the significance of student self evaluation. Prepare any one student self evaluation tool.
25. Encouraging technology in teacher education curriculum will create techno-pedagogues- Critically evaluate the statement.

(1×10 = 10)

