



**QP CODE: 24801888**

**Reg No** : .....

**Name** : .....

**B.Ed DEGREE REGULAR/SUPPLEMENTARY /MERCY CHANCE EXAMINATIONS,  
MAY 2024**

**Second Semester**

**BACHELOR OF EDUCATION**

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

2018 Admission Onwards

39C88EAE

Time: 2 Hours

Max. Marks : 50

**Part A**

*Answer **all** questions*

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

1. What is verbal linguistic intelligence?
2. Write any two important aspects to be considered in unit plan.
3. Specify any two important needs of lesson planning.
4. Write any two advantages of multiple choice test items.
5. Write any two merits of teacher evaluation.
6. Define Pedagogic Knowledge.
7. Write any two qualities required for a teacher as a technopedagogue.
8. Name the scientist who named nucleus.
9. Name any two bacterial diseases.
10. Differentiate between dominant trait and recessive trait.

(10×1 = 10)

**Part B**

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

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

11. Suggest a classroom situation where trial and error learning method can be employed.
12. What are the advantages of year planning?





13. List out the major characteristics of a constructivist lesson plan.
14. Construct any two test items for process domain and mention their specifications.
15. What do you mean by diagnostic test?
16. Mention the enzymes present in the pancreatic juice and explain how these enzymes help in the digestion of nutrients.

(5×2 = 10)

### **Part C**

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

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

17. Critically analyse the challenges of practising critical pedagogy in classrooms.
18. Illustrate the preparation stage of Harbartian approach of lesson planning with an example.
19. Briefly explain the concept of student self evaluation.
20. How will you present the topic 'Respiratory System' using techno-pedagogical strategies to secondary school students?
21. Examine the concept of Techno-Pedagogic Content Knowledge. Discuss the ways to link technology to Pedagogic Content Knowledge.
22. Analyse the content into terms, facts and concepts in the topic " Structure and function of nephron".
23. Prepare a flow chart showing the number of bones in each part of axial skeleton and appendicular skeleton.

(5×4 = 20)

### **Part D**

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

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

24. What is an achievement test? Explain the steps involved in the construction of an achievement test in biology with suitable example.
25. Explain different technology based emerging communication media which can be effectively used in teaching learning process.

(1×10 = 10)

