

B.Ed DEGREE REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER 2021

Second Semester

Pedagogic Course - EDU204.18 - PEDAGOGICAL DIMENSIONS OF
NATURAL SCIENCE

2018 Admission Onwards

96430625

Time: 2 Hours

Max. Marks : 50

Part A

*Answer all questions**Each question carries 1 mark.*

1. Who proposed the concept of critical pedagogy?
2. Write any two objectives of instructional planning.
3. What is meant by unit plan?
4. What is diagnostic test?
5. What is meant by student self evaluation?
6. What do you mean by Edu blog?
7. What is networking in learning?
8. List any two reasons for global warming.
9. Differentiate between exo- skeleton and endo- skeleton.
10. What is night blindness?



(10×1 = 10)

Part B

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

1. Write any two educational implications of Vygotsky's learning theory.
2. Suggest any two ways to improve the quality of year plan.
3. Point out the significance of preparation stage in Herbartian approach of lesson planning.



14. Construct any two test items for knowledge domain and mention their specifications.
15. Differentiate stem and alternatives of a multiple choice test item
16. Illustrate a dihybrid cross of Mendel.

(5×2 = 10)

Part C

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

Each question carries **4 marks**.

17. Illustrate the implications of behaviourism in science learning.
18. What are the characteristics of a good lesson plan?
19. Explain the criteria for evaluating teaching competence.
20. How does teacher's pedagogical knowledge influence student outcome?
21. Write a short note on TPACK.
22. Evaluate the statement 'Smoking is suicide and murder at the same time'. Prepare a poster for the school health club based on the above statement.
23. Which are the major lifestyle diseases? How will you introduce this topic?

(5×4 = 20)

Part D

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

Each question carries **10 marks**.

24. What is meant by diagnostic test? Describe how you would develop a diagnostic test in biology with suitable example.
25. Prepare a teaching manual in the constructivist format of 40 minutes duration on the topic "Structure of Eye".

(1×10 = 10)