

QP CODE: 4010200053



Reg No :

Name :

B.Ed Degree (Credit & Semester) Examination, NOVEMBER 2020

Second Semester

B.Ed Degree

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

2018 Admission Onwards

DF850A70

Time: 2 Hours

Max. Marks : 50

Part A

Answer all questions

Each question carries 1 mark.

1. Name the type of learning propounded by Bruner.
2. What is year plan?
3. Specify any two characteristics of constructivist lesson plan.
4. Construct any two test items for testing knowledge domain objectives.
5. List any two merits of diagnostic test.
6. What is PCK?
7. What is TPACK?
8. What is vital capacity?
9. What are the main parts of human nervous system?
10. Mention any two genetic disorders.

(10×1 = 10)

Part B

Answer any five questions in about half a page

Each question carries 2 marks.

11. Mention any two classroom implications of multiple intelligence theory.
12. What are the advantages of unit planning?



13. Write any two features of a good Lesson plan.
14. Prepare a matching type test item from the topic diseases and their causative organisms.
15. Write any two precautions while implementing student self evaluation tools.
16. How will you introduce the unit 'cell clusters'?

(5×2 = 10)

Part C

Answer any five questions in about one or two pages

Each question carries 4 marks.

17. Explain the operant conditioning and its educational implications.
18. Analyse the role of planning in teaching learning process.
19. Explain the need and importance of teacher evaluation.
20. Briefly outline the different technological aids that can be used in a science classroom for effectively transacting the content.
21. Explain the challenges of using technology in teaching.
22. Analyse the content in the topic 'Structure and working of human heart'.
23. How will you introduce the topic 'Plant movements'?

(5×4 = 20)

Part D

Answer any one question in about three or four pages.

Each question carries 10 marks.

24. What do you mean by achievement test? Indicate step by step procedure you would adopt for preparing an achievement test in biology on any topic from Std.IX.
25. Prepare a teaching manual in the constructivist format of 40 minutes duration on the topic "Genetic Engineering".

(1×10 = 10)

