24801886

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

### Second Semester

BACHELOR OF EDUCATION

### PEDAGOGIC COURSE - EDU204.16 - PEDAGOGICAL DIMENSIONS OF MATHEMATICS

2018 Admission Onwards

4B94C9AC

Time: 2 Hours

Max. Marks : 50

### Part A

*Answer all questions*

*Each question carries 1 mark.*

1. What is accommodation?

2. Which learning, according to Gagne succeeds Rule Learning?

3. Write any two advantages of preparing Lesson plan.

4. What is the role of Questioning in constructivist approach?

5. Write any two advantages of achievement test.

6. What is the purpose of Diagnostic test?

7. Give an example of linking technology to pedagogy.

8. Write any two pre-requisites for learning the identity 'Product of sums'.

9. Point out any situation from real life where we can apply the concept of 'Frequency table'.

10. Write any two pre-requisites for learning 'Proportion'.

(10×1 = 10)

### Part B

*Answer any five questions in about half a page*

*Each question carries 2 marks.*

11. What is the role of teacher in social constructivism?

12. Write any four characteristics of learner with Musical - Rhythmic Intelligence.

13. What is the significance of 'Generalisation' in Herbartian lesson plan?

14. What is the significance of students self evaluation?

15. Explain all the pre-requisites to learn 'Sum of n-terms of an A.P'.

16. List all the pre-requisites to learn the concept 'Volume of sphere'.

(5×2 = 10)

## Part C

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

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

17. Describe Experiential learning cycle.

18. How is Bruner's theory of learning helpful in teaching Mathematics?

19. What is a unit plan? What are its advantages ?

20. Discuss the merits and demerits of essay type test items.

21. What are the duties and responsibilities of a technopedagogue?

22. Analyse the content of the chapter 'Polygons' of standard VIII.

23. List all the curricular objectives from the chapter 'Second degree equations' of standard X.

(5×4 = 20)

## Part D

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

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

24. Discuss the meaning, importance and purpose of Lesson planning.

25. Construct an achievement test for any unit in Mathematics.

(1×10 = 10)