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R – 6810

Reg. No. :

Name :

First Semester B.Ed. Degree Examination, April 2023

**EDU 05.7 : PEDAGOGIC CONTENT KNOWLEDGE
ANALYSIS – MATHEMATICS**

(2019 Admission onwards)

Time : 2 Hours

Max. Marks : 50

PART – A

Select the most appropriate answer from bracket.

1. The part of a circle that resembles slice of a pizza is
 - (a) Arc
 - (b) Sector
 - (c) Semicircle
 - (d) Chord
2. Which among the following is a HOT skill ?
 - (a) Knowledge
 - (b) Imitation
 - (c) Critical thinking
 - (d) Valuing
3. Compare is a verb of the objective
 - (a) Knowledge
 - (b) Understanding
 - (c) Analysis
 - (d) synthesis

P.T.O.

4. Which among the following is not an AP?
- (a) 1,2,3,4,.....
 - (b) 1.2,3.4,5.6,7.8,.....
 - (c) 4,12,20,28,,.....
 - (d) 3,6,8,9,,.....
5. Skill of stimulus variation indicates
- (a) Teacher liveliness in the classroom
 - (b) Teacher's ability to ask questions
 - (c) Teacher's ability to maintain silence in the class
 - (d) Teacher as a technopedagogue

(5 × 1 = 5 marks)

PART – B

Answer **all** questions in one word or sentence.

6. _____ is a scaled down teaching encounter.
7. The science and art of teaching is known as _____
8. What is meant by the objective analysis in Blooms taxonomy?
9. Give an example for a curricular objective.
10. What do you mean by specifications of objectives?

(5 × 1 = 5 marks)

PART – C

Answer **all** the questions in two or three sentences each.

11. Suggest any two ways for increasing accuracy in mathematics calculations.
12. Write any two advantages of a ppt.
13. Write the names of two exponents of the constructivist approach.

14. Give difference between fact and concept.
15. Write down any two principles in mathematics.

(5 × 2 = 10 marks)

PART – D

Answer any **four** questions.

16. Analyse the content of the topic 'solids' in standard X.
17. What learning experience will you give to your students to learn the concept negative numbers?
18. Why we need for planning of Instruction? Briefly explain the various stages of planning instruction.
19. How do the learning aids help in concretisation of abstract ideas, explain with the help of suitable examples.
20. Mathematics be taught in a meaningful way correlating it with the environment in which we live. Justify with the help of examples.
21. How does the digital skills of a teacher help to plan creative math lessons?

(4 × 5 = 20 marks)

PART – E

Answer any **one** from the following.

22. Define Microteaching. Explain any two teaching skills and its components with the help of suitable examples.
23. Prepare a lesson template for any content of your choice in the behaviourist approach.

(1 × 10 = 10 marks)
