

Reg. No. :

Name :

First Semester B.Ed. Degree Examination, August 2021

**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 questions (1-5)

1. Data that is organised into a frequency distribution is called
 - (a) Distributed data
 - (b) Ungrouped data
 - (c) Grouped data
 - (d) Interval data
2. Which among the following is not an action-verb for the objective “creating”?
 - (a) Lompile
 - (b) Design
 - (c) Develope
 - (d) Compare
3. The probability of getting an odd number when rolling a dice is
 - (a) $\frac{2}{6}$
 - (b) $\frac{3}{6}$
 - (c) $\frac{4}{6}$
 - (d) $\frac{5}{6}$
4. The student at “ knowledge level” will
 - (a) debate the point
 - (b) justify the point
 - (c) recall information
 - (d) applies in new situations

5. A design for transacting the curriculum material involved in a unit with pre-determination objectives is called
- (a) lesson plan (b) year plan
(c) unit plan (d) monthly plan

(5 × 1 = 5 Marks)

PART – B

Answer **all** questions in one word or sentence (question 6-10)

6. Write any two HOT skills.
7. Name any two Behaviourists thinkers.
8. Write any two advantage of planning of instructions.
9. What is micro teaching?
10. What is meant by enrichment activity?

(5 × 1 = 5 Marks)

PART – C

Answer **all** the questions in two or three sentence each (question 11-15)

11. Write any four functions of year plan.
12. Briefly explain the micro-teaching cycle.
13. What is meant by content analysis?
14. Write any four advantages of using PPT.
15. List out the objectives of revised Bloom's taxonomy.

(5 × 2 = 10 Marks)

PART – D

Answer **any four** questions (Questions 16-21). Each carries 5 marks.

16. Explain any three micro-teaching skills.
17. List any ten curricular objectives of the topic 'solids' in standard X.
18. Explain any one learning experience that you will provide for teaching the topic 'Median' to students.
19. Why do you consider planning of instructions significant? Explain the stages of planning of instructions.
20. What are digital skills? Why are they important in the present educational context?
21. What are teaching-learning resources? Explain the various resources used at the secondary level for the teaching of mathematics.

(4 × 5 = 20 Marks)

PART – E

Answer **any one** from the following.

22. Prepare a lesson plan in 'Behaviourist format' on any topic of your choice.
23. "Learning aid helps in the concretisation of abstract ideas in mathematics". Do you agree with this statement? Justify your answer.

(1 × 10 = 10 Marks)
