

Mid-West University
Examinations Management Office
Surkhet, Nepal

End Semester Examination-2080

Level: B.Ed. / IV Semester

Sub: Teaching Material Development (MATH 346)

Roll No.

Group "A"

10 × 1 = 10

Tick (✓) the best answer.

1. Which one of the followings is the characteristic of posters?
 - a. boldness
 - b. simplicity
 - c. directness
 - d. all of the above
2. Which one of the following materials is used to teach rotation?
 - a. Circle board
 - b. Chart
 - c. Graph board
 - d. Literature
3. Which one of the followings is not a chart?
 - a. Tree chart
 - b. List chart
 - c. Time chart
 - d. Large chart
4. Surface area of open cuboid box is...
 - a. $6a^2$
 - b. $5a^2$
 - c. $4a^2$
 - d. $3a^2$
5. The intersection of three or more edges of a polyhedron is a ...
 - a. vertex
 - b. face
 - c. super edge
 - d. base
6. Explaining the formula $a^2 - b^2 = (a - b)(a + b)$ comes under...
 - a. Knowledge
 - b. Comprehension
 - c. Skill
 - d. Application

7. Which one mathematical concept is not possible to be shown in general geo-board?

- a. Equilateral triangle
- b. Square root
- c. H. C. M.
- d. L. C. M.

8. Which one of the following is...



- a. Rectangular pyramid
- b. Square pyramid
- c. Triangular pyramid
- d. Hexagonal pyramid

9. "What is the understood by a thousand words evident from the one picture."

- a. Roberts
- b. Confucius
- c. Newton
- d. Canter

- 10 The figure which is a dissection puzzle consisting of seven flat shapes is called ...

- a. geo- board
- b. circle board
- c. tnamgram
- d. flannel board

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FM: 60

Time: 3.00 hrs.

PM: 30

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Candidates are required to give their answers in their own words as far as practicable.

Attempt all the questions.

Group "B"

6×5 = 30

1. Explain the rational of using teaching material in mathematics classroom.
2. Which material do you use to teach the equation $3x+9=18$?
3. Define chart and posters? Explain the main features of posters related real life problems in mathematics teaching.

Or

Define nets skeleton model and solids with examples.

4. Why charts and posters effective in mathematics teaching?
5. Show that the sum of the interior angles of triangle is two right angle by using appropriate teaching material.
6. Define demonstrative material with an example. Write instructional strategies to find patterns formula $a^2-b^2=(a+b)(a-b)$.

Or

What is the sphere? Describe the instructions to find the volume of a sphere.

Group "C"

2×10=20

7. "Teaching materials are very important factor for meaningful teaching and learning of mathematics". Justify.

8. Define the different types of prisms with examples. Explain the instructional strategies for surface area of prism.

Or

Explain the math lab. Why math lab is necessary for effective teaching learning in mathematics classroom.

THE END