

Mid-West University
Examinations Management Office
Surkhet, Nepal

End Semester Examination 2080

Level: B.Ed. / VI Semester

FM: 60

Time: 3 hrs

PM: 30

Sub: Instructional Design in mathematics (Math 466)

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

Attempt All the Questions.

Group 'B'

6 × 5 = 30

1. What is the laboratory method of teaching? Write its advantages and disadvantages.
2. Define classroom arrangement. How is ICT use in mathematics teaching?
3. What are the causes of mathematical anxiety in students and how to minimize their anxiety?

Or

Explain the role of motivation in mathematics teaching. Also mention the strategies of motivation.

4. What is problem-based learning design? Mention the challenges of implementing problem-based learning design in mathematics.
5. Describe the cooperative learning design teaching approach to mathematics.
6. What do you mean by unit plan? Write the importance of unit plan in teaching learning activities.

Or

Describe the educational diagnostic test in teaching mathematics.

Group 'C'

2 × 10 = 20

7. Prepare a lesson plan to teach the set theory for class nine.
8. What is alternative assessment system for evaluation? And describe the characteristics and teaching strategy of continuous assessment system in mathematics teaching.

Or

Compare analytic and synthetic methods with their meanings and examples.

THE END

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Roll No.

Group 'A'

10×1=10

Tick (✓) the Best Answer.

1. Which one method promotes the habit of memorization?
a. Deductive b. Inductive
c. Analytic d. Telling to do method
2. What is the basis for selecting method of teaching for a particular unit from mathematics at secondary level?
a. Student interest b. The mood of the teacher
c. The class size d. The nature of the unit
3. The instruction effort which is directed to words strengthening the learning experience through drill, review and application is called:
a. teaching for assimilation
b. teaching for permance
c. teaching for understanding
d. teaching for transfer
4. Which one of the following points is the most important for mathematics teacher?
a. To improve math curriculum and textbook
b. To improve math teaching in classroom
c. To guide whole program of mathematics
d. All of the above
5. Which one is not the phase of constructionist approach?
a. Exploration in group b. Presentation of problem
c. Translation d. Reflection

6. Which one of the followings is not the level of questioning in classroom?
a. Chaotic b. Translation
c. Evaluation d. Memory
7. Which one of the followings is the first step for a lesson plan ?
a. Teaching material b. Behaviors objectives
c. Teaching activities d. Evaluation
8. Who constructs the yearly plan?
a. Subject expert b. Teacher
c. Head teacher d. School management committee
9. The purpose of assessment in maths teaching is:
a. to improve the instruction
b. so criticize the teachers work
c. to improve the curriculum
d. to promote the teacher
10. By using diagnostic test, the teacher will find out...
a. Student's achievement b. Student's learning difficulties
c. Analytic proof d. Student's attributes