

**Mid-West University**  
**Examinations Management Office**  
Chance Exam-2082

M.Ed. Level / III Semester

**Sub: Trends in Mathematics Education (MATH533)**

**Roll No. ....**

**Group 'A'**

**10×1=10**

Tick (✓) the Best Answer.

1. Which of the following civilizations invented zero?  
(a) Greek (b) Arab  
(c) European (d) Hindu
2. To acquire basic concepts of number, quantities geometric figures operations, patterns and relationship is the objective of ...  
(a) Primary level (b) Lower secondary level  
(c) Secondary level (d) Higher secondary level
3. Which one of the followings is a symbol of multi-prism in the history of Mathematics?  
(a) Euclidian geometry (b) Non-Euclidean geometry  
(c) Affine geometry (d) Projective geometry
4. The three Mathematical giants of the third century B.C. where...  
(a) Euclid, Thales and Archimedes  
(b) Eratosthenes, Thales and Appollonius  
(c) Euclid, Archimedes and Appollonius  
(d) Euclid, Archimedes and Eratoshtenes
5. "Students learn through mistake" is the philosophy of...  
(a) Abstract mathematics (b) pure mathematics  
(c) Applied mathematics (d) None of the above
6. Which one of the followings is the declaration of EFA?  
(a) Elimination of gender disparity of 2005  
(b) Achievement gender disparity by 2005  
(c) Elimination of gender equality by 2005  
(d) Achievement of gender equality by 2015
7. Who is the first elected president of ICMI?  
(a) Lichncrowicz (b) Freudenthal  
(c) Light Hill (d) Felix Klein
8. Which one of the followings is not the tension for educationist in 21<sup>st</sup> century?  
(a) Global versus Local  
(b) Rich versus Poor  
(c) Universal versus Individual  
(d) Traditional versus modernity
9. What is the purpose of using deductive strategy is research?  
(a) Empiricist (b) Interpretivist  
(c) Constructivist (d) Falsification
10. Which of the followings is qualitative research?  
(a) Action research (b) Correlational research  
(c) Narrative research (d) Empermental research

Mid-West University  
**Examinations Management Office**

Chance Exam-2082

Level: M.Ed. / III Semester

FM: 60

Time: 3 hrs.

PM: 30

**Sub: Trends in Mathematics Education (MATH533)**

*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. List out the goals of Mathematics in primary level.
2. Explain the reforms in methods and materials in teaching learning geometry.
3. Analyze the trends in teaching of applied Mathematics at secondary level?

**Or**

Define Math-education. Write down the impact of applied Mathematics in Math-education.

4. What are the issues and problems in different teaching learning tensions of Mathematics education in the 21<sup>st</sup> century?
5. "Teachers need constructivist view of research to improve their teaching mathematics." Justify.
6. Explain the issues and challenges of International Congress on Mathematical Education (ICME)

**Or**

Explain the objectives and activities of international Mathematics union (IMU).

**Group 'C'**

**2 × 10 = 20**

7. Explain the trends in Mathematics education content, organization and curricula at lower/secondary level.
8. What are the present issues and problem of Mathematics teaching of Nepal? How can this problem be solved?

**Or**

Define action research and discuss about the trends toward action research.

**THE END**