Mid-West University
Examinations Management Office
Surkhet, Nepal
End Semester Examination 2080
B.Ed. Level /VI Semester
Sub: Data Modeling (Math 461)

Roll No. ....

Group 'A'   10×1=10

Tick (✓) the Best Answer.

1. What is the relationship among total sum of squares (SST), regression sum of squares (SSR) and error sum of squares (SSE)?
   a. $SST = SSR - SSE$
   b. $SST = SSR + SSE$
   c. $SSR = SST + SSE$
   d. $SSE = SSR + SST$

2. SQC stands for :
   a. Statistical Quantity Control
   b. Statistical Quantity Code
   c. Statistical Quality Code
   d. Statistical Quality Control

3. Which one of the followings is not the method of forecasting?
   a. Secular Trend
   b. Native Approach
   c. Moving Average
   d. Exponential smoothing

4. The objective of seasonal variation is :
   a. obtaining seasonal indices
   b. deseasonalization of the data
   c. both a) & b)
   d. none a) & b)

5. Which one of the following statements is true?
   a. Index numbers as Thermometer of the economics
   b. Index numbers as Hectometer of the economics
   c. Index numbers as Barometer of the economics
   d. Index numbers as Lactometer of the economics

6. The notation p_{01} is noted that:
   a. price index number for the current year w.r.t the base year.
   b. price index number for the base year w.r.t the current year.
   c. value index number for the current year w.r.t the base year.
   d. quantity index number for the current year w.r.t the base year.

7. Seasonal variation is a regular periodic fluctuations that occurs within each
   a. 4 months
   b. 6 months
   c. 12 months
   d. Unlimited

8. According to the Global Gender Gap Report 2023, Nepal's gender parity score is
   a. 0.592
   b. 0.692
   c. 0.792
   d. 0.892

9. A circle is used to represent a ...
   a. chance node
   b. decision node
   c. branch of tree
   d. EMV

10. GER in Nepal reported in 2022 is
   a. 125
   b. 126
   c. 127
   c. 128