

Mid-West University
Examinations Management Office

End Semester Examination 2081

Bachelor level/ B. Sc. /5th Semester

Time: 2 hours

Subject: Computational Science (COM456)

Full Marks: 40

Pass Marks: 20

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group - A

Attempt any four questions.

[4x2 = 8]

1. What do you mean by system software?
2. Define Virus in Computer System.
3. How can you define Computational Science?
4. Write the truth table and block diagram of AND and OR Gate.
5. Define Communication Protocol.

Group - B

Attempt any five questions.

[5x4 = 20]

6. Explain application areas of data mining.
7. What is a programming language? Why it is necessary?
8. Explain Characteristics of first generation of Computer.
9. Why Computer is so popular in this 21st century?
10. Explain the advantages of database management system.
11. Define Cryptography. Illustrate its main goal.

Group - C

Attempt any two questions.

[2x6 = 12]

12. What is Data Science? Explain application of Data Science.
13. Define Data Transmission Mode. Explain types of primary mode of Data Transmission.
14. Explain the functions of operating system.

The End