

**Masters in Rural Development
First Semester
Computer Fundamentals
(MRD - 05)**

Duration: 3Hrs.

Full Marks: 70

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

1. Answer the following questions (any five):

5 × 2 = 10

- a) Write 2 differences between Compiler and Interpreter
- b) Explain Application Software
- c) Explain Secondary Memory
- d) Explain bus
- e) Write about Cache Memory
- f) Write all the building blocks in Hexadecimal system
- g) Write about Primary Memory

2. Answer the following questions (any five):

5 × 3 = 15

- a) Convert 11001 (in binary) to decimal
- b) Convert 73 (in decimal) to binary
- c) Convert 153 (in decimal) to binary
- d) Convert 46 (in decimal) to binary
- e) Convert 25.75 (in decimal) to binary
- f) Convert 1101.11 (in binary) to decimal
- g) Convert 0.10111 (in binary) to decimal

3. Write short notes on (any five):

5 × 5 = 25

- a) CPU
- b) DMA Connection
- c) I/O device
- d) Server
- e) Operating system
- f) Programming language
- g) Interpreter
