

**Q.P. Code :00062**

**[Time: 2½ Hours]**

**[ Marks:75]**

Please check whether you have got the right question paper.

- N.B:
1. Figure to the right indicates full marks.
  2. Illustrate your answer with neat sketches wherever necessary.

- Q.1** **A) Write the definition of the following.** **5**
- (i) ALU
  - (ii) RAM
  - (iii) Data
  - (iv) Internet
  - (v) Utility Software
- B) Fill in the blanks**
- i) 1 Giga Byte = \_\_\_\_\_ Mega Byte. **5**
  - ii) \_\_\_\_\_ cable is used for telephone lines.
  - iii) \_\_\_\_\_ is a network that connects computer in a metropolitan geographical area.
  - iv) \_\_\_\_\_ allows us to take a hard copy.
  - v) A \_\_\_\_\_ is a collection of instruction that performs a specific task when executed by a computer.
- C) Match the following**
- | Group A             | Group B                                   |          |
|---------------------|---|----------|
| i) Plotter          | a) Connects multiple computers on network | <b>5</b> |
| ii) Charles Babbage | b) Networking Jack                        |          |
| iii) Search engine  | c) Bing                                   |          |
| iv) Router          | c) AutoCAD                                |          |
| v) RJ45             | d) Father of computer                     |          |
- Q.2** **Answer the following (Any three)** **15**
- 1) What is the difference between data and information?
  - 2) Draw a block diagram of computer.
  - 3) What is computer? Why it is known as data processor?
  - 4) What is secondary storage device?
  - 5) What is the difference between hardware and software?
  - 6) What is software copyright?
- Q.3** **Answer the following ( Any three)** **15**
- 1) What is keyboard? Also list different types of keyboard.
  - 2) Explain different types of optical storage disk.
  - 3) Explain different types of monitor.

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- 4) What is RFID?
- 5) List out the difference between RAM & ROM.
- 6) Explain IP address in brief.

**Q.4** Answer the following (Any three)

- 1) Explain LAN & WAN.
- 2) What is a search engine and how it work?
- 3) What is topology? Explain any two topologies with diagram.
- 4) Explain firewall in detail.
- 5) Explain internet in detail and also how it has benefited the user?
- 6) Explain with diagram, any two types of networking cable.

**15**

**Q.5** Write short note on any three

- 1) Type of printer
- 2) System software
- 3) Hard disk
- 4) Bar code Reader.

**15**