

Total No. of Questions : 4]

SEAT No. :

P1731

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S.Y.B.Sc. (Vocational)

COMPUTER HARDWARE & NETWORK ADMINISTRATION

Microprocessor & Interfacing Techniques

(2013 Pattern) (Paper - I) (Semester - II)

Time :2 hours]

[Max. Marks :40

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

Q1) a) Attempt the following: **[4 × 1 = 4]**

- i) What is a MIDI?
- ii) List various controllers that are located on the motherboard.
- iii) State any two features of Android.
- iv) List various input and output devices available for modern PC.

b) Attempt the following: **[4 × 2 = 8]**

- i) What is Multimedia PC? State minimum requirement for it?
- ii) What is function of display adapter?
- iii) What is OS? List various OS available.
- iv) What is wi-fi? State applications of wi-fi.

Q2) Attempt any two of the following: **[2 × 4 = 8]**

- a) What is BIOS? Explain the important functions of BIOS.
- b) Write a note on storage devices and their techniques.
- c) Explain the concept of speech recognition in brief

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Q3) Attempt any two of the following: **[2 × 4 = 8]**

- a) What is Green PC? Explain the concept of thick and thin configuration.
- b) What are the different types of Printers? Explain in brief the advantages and disadvantage of any one.
- c) What is Bluetooth? Explain features and application of Bluetooth.

Q4) Attempt any two of the following: **[2 × 6 = 12]**

- a) What is function of ADD ON cards? List various ADD ON cards available for interface. Explain in brief features of any one.
- b) State the advantages of serial communication system. Explain in brief asynchronous and synchronous communication protocol.
- c) What is Network? State advantages of Network. Explain features of LAN.

