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SEAT No. :

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[4917]-136

F. Y. B. Sc. (Vocational)

COMPUTER HARDWARE AND NETWORK ADMINISTRATION

Essentials of Computer

(Paper - I) (2013 Pattern) (78710)

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicates full marks.*
- 3) *Draw neat diagrams wherever necessary.*

Q1) Attempt the following:

[16]

- a) Define flash memory.
- b) Explain nested interrupts.
- c) What is BIOS?
- d) Write the full forms of CAD, BCD, SIMM & MICR.
- e) Write short notes on HDD.
- f) Write short notes on History of Computers.
- g) Define Web Camera.
- h) Explain the working of MOUSE.

Q2) Attempt any four:

[16]

- a) Define DMA.
- b) Explain the working of LASER printer.
- c) Define plotter.
- d) Write short notes on Bus structure of computer.
- e) Explain Motherboard.
- f) Define device controller.

P.T.O.

Q3) Attempt any four:

[16]

- a) Explain Instruction prefetch.
- b) Write notes on notebook and tablet.
- c) Explain front and rear panel of computer.
- d) Write notes on bluetooth.
- e) Explain working of scanner.
- f) Write notes on DOT matrix printer.

Q4) Attempt any two:

[16]

- a) Write short notes on off-line and on-line UPS.
- b) Explain the different types of computer memory.
- c) Explain computer system architecture with functional block diagram.

Q5) Attempt any two:

[16]

- a) Explain control unit of computer.
- b) Explain different types of software.
- c) Write short notes on:
 - i) Memory mapping.
 - ii) Digitizer.

