

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION JUNE 2014
(Sixth Semester)

Branch – **ELECTRONICS**

COMPUTER HARDWARE & INTERFACING

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(10 x 2 = 20)

- 1 What is a chip set?
- 2 What are its functional parts of BIOS?
- 3 Expand SIMM.
- 4 What is flash?
- 5 What do you mean by MIDI?
- 6 How is the resolution of the mouse measured?
- 7 Define transparency.
- 8 Define texture mapping.
- 9 Define handshaking.
- 10 Expand SPP.

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Write short note on SMPS.
OR
- b Explain the BIOS.
- 12 a Explain the memory packages.
OR
- b Explain the diskette basics.
- 13 a Write short note on digitizer.
OR
- b Explain the sound blaster.
- 14 a Explain the Dot matrix printer.
OR
- b Discuss about the video basics.
- 15 a Design an interfacing circuit to output data to opto coupler devices.
OR
- b List the advantages of ECP mode over EPP mode of parallel port.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Briefly explain the inside a PC.
- 17 Draw the functional block diagram of FDC and explain each block briefly.
- 18 Briefly explain the scanner.
- 19 Explain the principles of operation of a CRT with a neat diagram.
- 20 Briefly in detail about bidirectional parallel port.

Z-Z-Z

END