

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION MAY 2018
(Fourth Semester)**

Branch – MATHEMATICS WITH COMPUTER APPLICATIONS

PC HARDWARE

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 2 = 20)

- 1 Write any four functional blocks of motherboard.
- 2 What do you mean by BIOS?
- 3 What are the contents of ID field and data field in disk?
- 4 What do you mean by platter?
- 5 What is the purpose of sound blaster?
- 6 What are the types of mouse?
- 7 Expand VGA and EGA.
- 8 Write the two important characteristics of Dot matrix printer.
- 9 Name the three types of problems in FDD.
- 10 What do you mean by data failure problem?

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Explain about I/O ports briefly.
OR
- b Explain about EISA and PCI.
- 12 a Explain briefly about FDD.
OR
- b Explain about the memory packages.
- 13 a Write a short notes on CD – ROM.
OR
- b Explain about keyboard.
- 14 a Write a short notes on CGA and VGA.
OR
- b Explain the working of DOT – Matrix printer.
- 15 a Explain about MODEM.
OR
- b Explain about network.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Discuss in detail about working principles of SMPS.
- 17 Write note on hard disk drive and explain its working operation.
- 18 What are the basic principles of working scanner? and its types.
- 19 What are the Basic video standards in display units?
- 20 How to trouble shoot in floppy disk drive system? Explain its working principle with examples.