

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(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 What is a Intel Pentium?
- 2 Expand IEEE, SMPS.
- 3 What is the use of the storage device?
- 4 List out the features of HDD.
- 5 What is a ROM?
- 6 What are the types of Keyboard?
- 7 Expand VGA, CGA.
- 8 List out the type of Printer.
- 9 Define motherboard.
- 10 What do you mean by Modem?

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a What is PCI? Give its technical specifications.
OR
b Draw the block diagram of SMPS and explain.
- 12 a What are the function of Floppy disk controller? Explain it.
OR
b Explain the following:
(i) Types of Memory (ii) FDD.
- 13 a Explain the principle of operation of video on PC.
OR
b What are the functions of a computer mouse? Explain them briefly.
- 14 a Draw the block diagram of Ink-Jet printer and explain the following.
OR
b With necessary diagram, explain VGA monitor.
- 15 a Draw the functional block diagram of modem and explain.
OR
b Explain the principle of operation of HDD.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 What is I/O port? Explain the types of I/O ports.
- 17 Explain about memory organization in a PC.
- 18 Draw the functional block diagram of CD-ROM Disk and explain.
- 19 With a neat diagram, explain the working of Laser printer.
- 20 What are the functions of Internet? Exclaim