

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc(SS) DEGREE EXAMINATION DECEMBER 2024
(Ninth Semester)

Branch - SOFTWARE SYSTEMS (Five years Integrated)

PC HARDWARE & TROUBLE SHOOTING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1 Which is the part of a computer that one can touch and feel?
(i) Hardware (ii) Software
(iii) Programs (iv) Output
- 2 Which of the following Main board of a Computer?
(i) Integrated Circuit (ii) Motherboard
(iii) Processor (iv) microchip
- 3 What is the primary function of the CPU?
(i) To display images on the screen (ii) To store data permanently
(iii) To process data and execute Instructions (iv) to connect to the Internet
- 4 Which type of storage device is a hard disk?
(i) Tertiary (ii) Off-line
(iii) Primary (iv) Secondary
- 5 How many keys are on a computer Keyboard?
(i) 101 (ii) 102
(iii) 103 (iv) 104
- 6 What is the first step you should take when troubleshooting a computer problem?
(i) Restart the computer (ii) Disconnect all peripherals
(iii) call technical support (iv) check for error message
- 7 Which of the following has aspect ratio of CRT monitor?
(i) 16:9 (ii) 4:3
(iii) 16:10 (iv) 1:1
- 8 Which of the following is used for SMPS?
(i) Obtaining controlled ac power supply
(ii) Obtaining controlled dc power supply
(iii) Storage of dc power
(iv) Switch from one source to another
- 9 What keeps a record of different parts of the file that are stored in a system?
(i) File Allocation table (ii) Folder Allocation Table
(iii) Find Allocated Table (iv) Fill Allocated Table
- 10 What is the recommended method for cleaning the exterior of a laptop or desktop computer case?
(i) Use a Vacuum cleaner
(ii) Scrub with soap and water
(iii) Use a damp cloth and mild cleaning solution
(iv) Apply a layer of wax for protection

Cont...

SECTION - B (25 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 5 = 25)

- 11 a Explain the Basic computer Hardware Structure.
OR
b Describe the operation of Motherboard Controller.
- 12 a Elucidate the types of Computer Memory.
OR
b Enumerate the troubleshooting of Hard disk.
- 13 a List out and explain types and features of Keyboard.
OR
b Illustrate the working of Mouse.
- 14 a Explain the principle of working in LED Monitor.
OR
b Enumerate the SMPS Common problems and solutions.
- 15 a Describe the Replacing Laptop Battery.
OR
b Discuss about the Laptop common problem and solutions.

SECTION -C (40 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 8 = 40)

Question No. 16 is Compulsory

- 16 Enumerate the Motherboard Components.
- 17 a Elucidate the installing and uninstalling CPU.
OR
b Enumerate the installing and uninstalling Memory Modules.
- 18 a List out and explain Keyboard common problems and solutions.
OR
b Illustrate the Maintaining and Troubleshooting of Mouse.
- 19 a Explain the principle of working in LCD Monitor.
OR
b Enumerate the operation of installing SMPS.
- 20 a Describe the Features and Replacing Laptop.
OR
b Discuss about the Troubleshooting and maintaining Laptops.

Z-Z-Z

END