



Sample Paper

Course : HPIA Version-II

Duration : 02:00 Hours

Maximum Marks : 120

Note:

- Attempt all questions in Section A- (2 marks each).
- All questions are compulsory in Section B - (5 marks each). However, out of 8 questions 4 questions will have additional questions as internal choices.
- All questions are compulsory in Section C - (10 marks each). However, out of 4 questions 2 questions will have additional questions as internal choices.

Section A

1. Which component of a computer is used for producing sound output?

- a) Keyboard
- b) Mouse
- c) Monitor
- d) Sound Card

2. A virus that embeds itself into executable files and spreads through their execution is known as:

- a) Trojan horse
- b) File infector virus
- c) Rootkit
- d) Worm

3. In most email applications, marking an email as "unread" will move it to the top of your inbox.

- a) True
- b) False

4. Which factor plays a key role in selecting a compatible RAM module for a laptop upgrade?
- a) USB port availability
 - b) RAM speed specifications
 - c) Product warranty
 - d) Module dimensions
5. To copy only formulas without other cell contents, which option is used?
- a) None of the options
 - b) Styles
 - c) Page setup
 - d) Paste Special
6. Which memory technology is programmed and erased in sectors rather than one byte at a time
- a) EEPROM
 - b) Flash memory
 - c) MPROM
 - d) EPROM
7. The energy stored by a capacitor is stored as:
- a) Magnetic field
 - b) Electric field
 - c) Voltage
 - d) Current
8. Which computer system has the greatest processing capability and is generally the most expensive?
- a) Mainframe Computer
 - b) None of the options
 - c) Super Computer
 - d) Personal Computer
9. An operating system acts as an interface between the user and computer hardware while managing system resources.
- a) False
 - b) True



10. Special effects used to introduce slides in a presentation are known as Transition.
- a) True
 - b) False
11. What tool is essential for installing most computer components?
- a) Hammer
 - b) Screwdriver
 - c) Multimeter
 - d) Pliers
12. What is the most important factor to consider while installing a new graphics card in a desktop computer?
- a) The capacity of the hard drive
 - b) The amount of available RAM
 - c) The compatibility of the graphics card with the motherboard and power supply
 - d) The screen resolution of the monitor
13. The movement of free electrons within a semiconductor is referred to as electron current.
- a) False
 - b) True
14. Who invented the World Wide Web?
- a) Tim Berners-Lee
 - b) None of the options
 - c) Charles Babbage
 - d) Sir Thomas
15. What is the main objective of customer service?
- a) Expanding market share
 - b) Maximizing profits
 - c) Minimizing costs
 - d) Meeting customer needs and satisfaction



16. GUI stands for _____.
- a) Gateway User Interface
 - b) Graphical User Interface
 - c) Gopher User Interface
 - d) General User Interface
17. Inkjet printers use ink cartridges to print documents.
- a) True
 - b) False
18. MS Word is used to create _____.
- a) Documents
 - b) Presentation
 - c) Website
 - d) Spreadsheet
19. An S-R flip-flop is a digital circuit with two inputs that control the set and reset operations.
- a) False
 - b) True
20. Which hardware device is used to improve the graphics performance of a computer?
- a) IDE Card
 - b) Video Card
 - c) Sound Card
 - d) LAN Card

Section B

1. Describe the importance of a power supply in an electronic circuit. Mention the various types of power supplies available.

OR

Define passive electronic components and explain resistors and capacitors in detail.

2. Explain the features of Windows OS?
3. Describe the concept of "job readiness" and identify the important employability skills needed for it?
4. Explain how the installation location affects software installation and system performance.

OR

Discuss the UNIX operating system in brief.

5. What are the signs that can help detect a virus infection on a computer system?

OR

Define a LAN card and explain its primary role in connecting a computer to a network.

6. Explain different types of charts available in excel?

OR

- a) How could you add Header/Footer in PowerPoint? b) Explain Summary Slide in Power Point?

7. What is a UPS, and Explain its main function in an electrical system?
8. Write a short note on Modem?

Section C

	A	B	C	D
1	Name	Age	Favorite Color	
2	Sheela	15	Pink	
3	Neena	20	Blue	
4	Tina	16	Yellow	
5	Meena	18	Blue	

1.
 - i) Write a formula using cell reference to concatenate name and age of person who has highest age.
 - ii) Write a formula using cell reference to display "Adult" in cell D, if the age in cell B is 18 or older; otherwise, display "Minor."
 - iii) Write a formula to count the number of people whose favorite color is "Blue."
2. Explain the process of identifying and removing an active Trojan horse from a system.
OR
Describe the steps for dividing a hard disk into partitions during Windows 10 installation.
3. How can you install and use a scanner on a computer system? Explain.
OR
How do you set up an SSD as the default boot drive?
4. A) Write steps to create a Header and footer in Word. B) How to highlight important cells in Excel? C) Write steps to add a border in a Word document. D) How to create a Master slide in PowerPoint?