

S.NO: 22N1- UC

Course Code: ECP1

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

UG Degree Examination – Extra Credit Course I

I Semester – November – 2022

EC I – COMPUTER AND LAPTOP HARDWARE

Time: 3 hours

Maximum Marks: 100

Section –A

25X1=25

Answer ALL the Questions

Choose the Correct Answer

(5x1=5)

1. Upgrading the BIOS is also known as
 - (a) Roaming
 - (b) Smoothing
 - (c) Flashing
 - (d) forcing
2. Which of the following is the smallest entity of memory?
 - (a) Block
 - (b) Cell
 - (c) Instance
 - (d) Set
3. What type of keys are 'ctrl' and 'shift'?
 - (a) Adjustment
 - (b) Function
 - (c) Modifier
 - (d) Alphanumeric
4. There are different types of keys which cannot work independently. Which one of the following keys cannot work independently?
 - (a) Delete key
 - (b) Space bar key
 - (c) Alt key
 - (d) Enter key

5. Which port is widely used on wireless devices to connect with network devices for easy communication?
- (a) Serial port
 - (b) Parallel port
 - (c) Infrared port
 - (d) AGP port

Match the following

(5x1=5)

- | | | |
|---------------------------------------|---|------------------|
| 6. Clock chip | - | 640 x 480 pixels |
| 7. buffer between CPU and main memory | - | Chopper |
| 8. fastest port | - | Fire wire |
| 9. SPMS | - | Cache |
| 10. video graphics array standard | - | CMOS |

Fill in the Blanks

(5X1=5)

11. Mother board keeps the key board controller support program in
12. transfer data between the processor (CPU) and memory?
13. USB port is a..... port
14. To minimize eyestrain, you should adjust your monitor to a degree angle of-----
15. _____ is used in the rotating type UPS system to supply the mains.

True or False

(5x1=5)

16. "Block" is the smallest entity of memory.
17. The output shown on the computer monitor is called "Hard Copy".
18. Ideal graphics array standard is "640 x 480 pixels".
19. Static UPS requires "only rectifier".
20. Usually "Li-ion" batteries are used in the UPS systems.

Answer in one word

(5x1=5)

21. Which boards are used to connect additional devices to mother board?
22. Where the motherboard does stores the key board controller support programmes?
23. What is MFP?
24. What does OMR stands for.?
25. What sort of port is an USB Port.?

Section –B
Answer any Five Questions

(5x3=15)

26. What is the difference between HUB and Bridge Architecture?
27. Write a brief note on Blue ray disk.
28. What are Drum scanners? Explain its working principle.
29. Why LED displays are better than the LCD displays?
30. Explain the working and features of the modems.
31. What are OLED Monitors? Explain its working principle.
32. Briefly explain the steps to clean an optical mouse.
33. What are spike guards? Briefly explain its principle and uses.

Section –C
Answer any Five Questions

(5x12=60)

34. Explain the architecture of mother board with block diagram.
35. Explain the different types of printers.

36. Explain the Working of Flatbed Scanner with suitable block diagram.
37. What are Plasma Monitors? Explain its working principle with suitable block diagram.
38. What is Switched Mode Power Supply (SMPS)? Explain its types and advantages.
39. What is BIOS (basic input/output system)? Explain its functions.
40. Explain the steps involved in maintaining, troubleshooting, and correcting keyboards.
41. What is a Processor? Explain different type of processors.