

**State Council for Open and Lifelong Education Kerala**  
Diploma in Computer Application Examination

**May 2022**

**Subject: DC 01 INFORMATICS**

Time: 2 ½ hrs

Max. Marks: 100

**SECTION: I**

(Answer All Questions)

**6x1 = 6**

1. .... is considered as the father of Digital Computer.
2. The fastest memory element inside the CPU is .....
3. Touch Screen is a ..... input device.
4. B2C stands for .....
5. An Operating system specifically designed for mobile device is called .....
6. Joy stick is an example of ..... device.

**SECTION: II**

(Answer All Questions)

**5x1 = 5**

7. Pick the odd one out  
(a) Keyboard (b) Mouse (c) Speaker (d) MICR
8. An example of High Level Language  
(a) Java (b) MASM (c) DBMS (d) Open Office
9. An example of sequential access device  
(a) Magnetic Tape (b) Pen Drive (c) Hard Disk Drive (d) Floppy Disk
10. An example of secondary memory  
(a) L2 Cache (b) SDRAM (c) Hard Disk Drive (d) Flash Memory
11. An example of primary memory  
(a) DDRAM (b) Magnetic Tape (c) USB Memory (d) VCD

**SECTION: III**  
(Answer All Questions)

10x2 = 20

12. What you meant by AI.
13. What are the functions of ALU?
14. What is a microprocessor?
15. What is firmware?
16. What is a Cache memory?
17. What is an Optical Mouse?
18. List any two Operating Systems.
19. Define machine language.
20. What is an Application Software?
21. Define multiuser operating system.

**SECTION: IV**  
(Answer any 9 Questions)

9x5 = 45

22. Distinguish between data, information and knowledge.
23. Differentiate micro computers and mini computers.
24. List the limitations of first generation computers.
25. Explain the components of CPU.
26. Draw and explain the system bus organization of a computer.
27. List and explain basic computer operations.
28. Differentiate different types of DRAMs.
29. Draw the memory hierarchy of a computer system.
30. Explain the difference between impact and non impact printers.
31. Write short notes on thermal printer and inkjet printer.

**SECTION: V**  
(Answer any 3 Questions)

3x8 = 24

32. Explain the functional units of a computer with a neat block diagram.
33. Explain briefly the cache organization of a computer with necessary diagram.
34. Explain different language translators with examples.
35. Explain the functions of an operating system.

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