

Lesson 02 - Evaluation of Computer

MCQ Answers

01	2	02	4	03	5	04	4	05	4
06	1	07	3	08	3	09	1	10	1
11	4	12	4	13	1	14	2	15	3
16	5	17	4	18	2	19	5	20	4
21	5	22	3	23	5	24	3	25	5
26	3	27	4	28	3	29	4	30	3
31	5	32	1	33	3	34	5	35	4
36	5	37	5	38	4	39	4	40	4
41	5	42	3	43	1	44	5	45	2
46	4	47	4	48	5	49	3	50	4
51	5	52	1	53	2				

Structure Essay Answers

01.

(a)

First Generation (1 GL) : Electronic valves or Vacuum

(01 mark)

Second Generation (2 GL) : Transistors

(01 mark)

Third Generation (3 GL) : Integrated circuits (ICs)

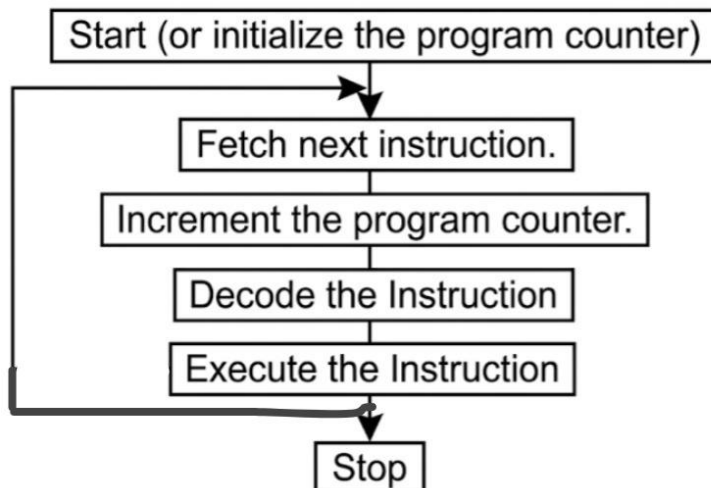
(01 mark)

Fourth Generation (4 GL) : Large Scale Integration (LSI), Very large scale

Integration (VLSI), Microprocessors

(01 mark)

(b)



(02 mark)

(2011)



02.

Fetch instructions.

Decode instructions.

Execute instructions. (1*3 = 03 marks)

(2020)

03.

P - Program Counter Q - Functional Unit (0.5*2 = 01 mark)

(2022)

Essay Answers

01. Three components

- ALU
- CU

• Registers (0.5 marks*3 = 1.5 marks)

- ALU

- Performs mathematical calculations.

- Perform comparisons of data.

- CU

- Performs all the functions of a computer system.

- Decodes instructions in the memory.

- Sends signals to the relevant components.

- Registers

- Temporarily store data and instructions until they are sent to the ALU.

- Stores processed data (results) until sends to the main memory

- (storage device)

(For any answer from each category 0.5 marks*3 = 1.5 marks)

(2011)



02.

(a) Fixing a bar code to each book

(01 mark)

- It increases accuracy of data input (almost error free)
- It improves efficiency of library staff and quality of service.
- It increases user satisfaction & improves the image of library.
- Easy to sort books.
- Faster check-in and checkout facility.
- Improve circulation capabilities.

Note - Writing one of the above is sufficient.

(01 mark)

(b) Write any one of the following:

When there are multiple processes that the user has started on the computers, they can run on the different processors simultaneously to finish everything quicker.

- Can be used for parallel computing.
- complicated tasks can be split into parts and the parts can be programmed to run on the different processors to finish everything quicker.

(02 marks)

(c) Computer storage that only maintains its data while the device is powered.

(01 mark)

(Write one as an example from the following)

*Dynamic RAM

* L1 cache

* Registers

(01 mark)

(2021)

