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Annual Ex	amination, 2022
В.	Sc. Part II
COMPL	JTER SCIENCE
	Paper I
(Comp	outer Hardware)
· -	· · · · · · · · · · · · · · · · · · ·
Time : 3 Hours]	[MAXIMUM MARKS : 50
Note : Section 'A' is Objection should be writte	[MAXIMUM MARKS : 50 ective type and is compulsory. It on on the first page of Answer- is Short answer type and Section

SECTION 'A'

(Multiple Choice Questions)

Choose the correct answer : 1×10=10

- (i)computers are lower to mainframe computers in terms of speed and storage capacity.
 - (a) Mainframes (b) Hybrid
 - (c) Super (d) Mini.
- - (a) CISC (b) RISC
 - (c) EPIC (d) Multi-core.

P.T.O.

(a) Relative (b) De

- (c) Direct (d) Immediate.
- (iv) In which of the following addressing mode, the offset is obtained by adding displacement, with the contents of Sl ?

(a) Register mode (b) Direct mode

(c) Indexed mode (d) Based mode.

- - (a) Main (b) Cache

(c) Registers (d) Secondary.

- - (a) Instructions (b) Processes
 - (c) Threads
 - (d) None of the mentioned.
- - (a) Flags (b) Output Unit
 - (c) Registers (d) Memory Devices.

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1. Discuss dumb, smart and intelligent terminals computer network.

Or

Describe the major components of computer.

2. Explain instructions for INTEL 8085.

Or

What is Control signal ? Explain some special control signals.

3. Describe magnetic bubble memory.

Or

Write the functions of memory controller.

4. Discuss I/O processor with block diagram.

Or

Explain I/O port and serial data transfer scheme.

5. Describe about any *two* system softwares.

Or

What is program design ? Explain the steps involved in program design.

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- (viii)What is the order decided by a processor or the CPU of a controller to execute an instruction ?
 - (a) Decode, fetch, execute
 - (b) Fetch, decode, execute
 - (c) Fetch, execute, decode
 - (d) Execute, fetch, decode.
- (ix)is designed to solve a specific problem or to do a specific task.
 - (a) Application Software
 - (b) Utility Software
 - (c) System Software
 - (d) User.
- (x) A.....is a directed graph that describes the flow of execution control of the program.
 - (a) Algorithm
 - (b) Flow graph
 - (c) Complexity curve
 - (d) Flowchart.

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P.T.O.

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SECTION 'B'

(Short Answer Type Questions) $3 \times 5 = 15$

- *Note* : Attempt **five** questions from this Section by selecting one question from each question.
 - **1.** Define user interface.

Or

What is parallel processing ?

2. What is time diagram ?

Or

What is Register ?

3. What is optical disk ?

Or

Why Virtual memory ?

4. What are the output devices ?

Or

Explain Light pen.

5. Define debugging.

Or

What is operating system ?

SECTION 'C'

(Long Answer Type Questions) 5×5=25

Note : Attempt **five** questions from this Section by selecting one question from each question.

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