



**WEST BENGAL STATE UNIVERSITY**  
B.Com. Programme 5th Semester Examination, 2021-22

**FACGDSE05T-B.COM. (DSE1)**

**FUNDAMENTALS OF COMPUTER**

Time Allotted: 2 Hours

Full Marks: 50

*The figures in the margin indicate full marks.*

*Candidates should answer in their own words and adhere to the word limit as practicable.*

*All symbols are of usual significance.*

1. Answer any **five** questions from the following:  $2 \times 5 = 10$
- (a) What do you mean by Complement?
  - (b) What is booting?
  - (c) What do you mean by Positional Number System?
  - (d) What is DOS?
  - (e) List any four storage devices.
  - (f) What is non-impact printer?
  - (g) What are the limitations of MS-DOS?
  - (h) Write any two applications of computer in commercial sector.
  - (i) What is Smart Card?
  - (j) How a batch file can be invoked?
  - (k) Difference between plotter and printer.
  - (l) Define ROM.
  - (m) What is optical media?
  - (n) Write the full form of ASCII Code.
  - (o) How data is stored in memory?
2. Answer any **four** questions from the following alternatives:  $5 \times 4 = 20$
- (a) Discuss the working features of Supercomputer.
  - (b) Explain the role of computer in office automation.
  - (c) Explain the working of any one output device with diagram.
  - (d) Give a classification chart of different memories.
  - (e) Explain the features of operating system.
  - (f) Convert the following binary numbers to base 10:
    - (i) 111
    - (ii) 101
    - (iii) 1100110
  - (g) Draw the circuit, if  $C = 0$ ,  
$$Y = A\bar{B} + \bar{A}B$$
  - (h) Explain the difference between data and information.
  - (i) Explain the computerization of Healthcare.
  - (j) Write any five external DOS commands with an example of each.

- (k) Distinguish between Assembly language and Machine language.
  - (l) Explain the working of Hard Disk.

3. Answer any *two* questions from the following:

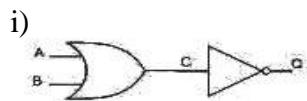
$$10 \times 2 = 20$$

- (a) Draw the Block Diagram of digital computer system and explain the function of each block.

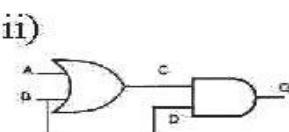
(b) Explain the working with its difference of MICR, OCR and OMR.

(c) What are the various types of computer languages? Explain the role of each with some example and with its advantages.

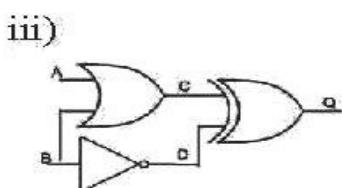
(d) These figures show a logic circuit and its incomplete truth table. Complete the below truth table: 2×5=10



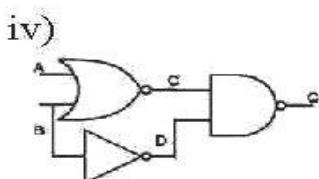
A	B	C	D
0	0		
0	1		
1	0		
1	1		



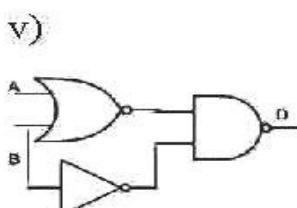
A	B	C	D	E
1	2			
3	4			
1	2			
3	4			



A	B	C	D	E
0				
0				
1				
1				



A	B	C	D	E
0				
1				
0				
1				



A	B			C
0	0			
0	1			
1	0			
1	*			

- (e) Write short notes on the following: 5+5

(i) Batch files              (ii) Types of software

(f) Write the applications of C++ Programming. What is GO TO Statement? What are the disadvantages of using GO TO Statements. 5+2+3

**N.B. :** Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.