



**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: 2×5 = 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: 5×4 = 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: 10×2=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

i)

A	B	C	Q
0	0		
0	1		
1	0		
1	1		

ii)

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

iii)

A	B	C	D	Q
0				
0				
1				
1				

iv)

A	B	C	D	Q
	0			
	1			
	0			
	1			

v)

A	B	C	D	Q
0	0			
0	1			
1	0			
1	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.