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Roll No. ....

## TBC/TBI-102

B. C. A./B. SC. (IT)

(FIRST SEMESTER)

MID SEMESTER EXAMINATION, 2021-22

COMPUTER FUNDAMENTALS AND  
INFORMATION TECHNOLOGY

Time : 1 : 30 Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing  
any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) What is information processing cycle ?  
Explain each and every unit used to  
generate the final output in detail. (CO1)

OR

- (b) Discuss various categories of computer  
with proper example. (CO1)

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(2)

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2. (a) Discuss any *ten* applications of Computer in our day-to-day life. (CO1)

OR

- (b) What is Computer ? Discuss its characteristics and limitations in detail. (CO1)

3. (a) Convert any *five* Decimal number into Binary and Octal Number System :

$(762)_{10}$ ,  $(7557)_{10}$ ,  $(9900)_{10}$ ,  $(110110)_{10}$ ,  
 $(8888)_{10}$  and  $(2121)_{10}$ . (CO2)

OR

- (b) What is the advantage of secondary storage ? Explain various secondary storage devices. (CO2)

4. (a) What is memory ? Discuss primary memory and their types with proper example. (CO2)

OR

- (b) Discuss RAM and ROM. Explain the differences between the two. (CO2)

(3)

5. (a) Discuss Generation of Computers with advantages and disadvantages of each generation. (CO1)

OR

- (b) What is number system ? How many types are there ? Explain each one in detail. (CO2)