BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)
B.C.A. Sem-I : WINTER : 2021
SUBJECT: FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Monday   Time : 10:00 AM-01:00 PM
Date : 17-01-2022   **W-18751-2021**   Max. Marks: 60

N.B.:
   1) Q. 4 from section I is COMPULSORY.
   2) Solve ANY TWO from Q. 1 to Q. 3 in Section I.
   3) Solve ANY TWO from Q. 5 to Q. 7 in Section II.
   4) All questions CARRY EQUAL marks.
   5) Answer to Both sections should be written in SAME answer book.

SECTION - I

Q.1) Answer the following: (6 Marks X 2 = 12)
   a)   What are the characteristics of computers?
   b)   Explain in detail rules and laws of Boolean algebra.

Q.2) Answer the following: (6 Marks X 2 = 12)
   a)   Explain in detail various input devices.
   b)   What is secondary storage? Explain Magnetic disk as a secondary storage device.

Q.3) Answer the following: (12 Marks X 1 = 12)
   Explain Machine Language and Higher Level Language with its advantages and disadvantages.

Q.4) Write short notes on the following: Attempt ANY TWO (6 Marks X 2 = 12)
   a)   Capabilities of computers
   b)   Web browsers
   c)   WAN

SECTION - II

Q.5) Answer the following: (12 Marks X 1 = 12)
   Convert the following
       1) $(101010)_2 = (?)_{16}$
       2) $(AB10)_{16} = (?)_{10}$
       3) $(777)_8 = (?)_{10}$
       4) $(1024)_{10} = (?)_2$

Q.6) Answer the following: (12 Marks X 1 = 12)
   Global English Medium School (GEMS) is one of the leading School. GEMS want to do advertise of their school. Explain various steps to do advertise using power point presentation.

Q.7) Answer the following: (12 Marks X 1 = 12)
   Write an algorithm and draw flowchart for find given number is prime or not?

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