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**Question Paper Code: 59B52**

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Open elective

Civil Engineering

15UBM952 - COMPUTER APPLICATIONS IN MEDICINE

(Common to CSE, ECE, EEE, EIE, Mechanical, IT, Chemical, Agri)

(Regulation 2015)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

**(Answer any six of the following questions)**

- Which of the following is not an input device? CO1- R  
(a) Keyboard                      (b) Mouse                      (c) Printer                      (d) Scanner
- To avoid loading during read operation, the device used is \_\_\_\_\_. CO1- R  
(a) Latch                      (b) Flipflop                      (c) Buffer                      (d) Tristate buffer
- Teletypewriter is an example of \_\_\_\_\_. CO2- R  
(a) Input device                      (b) Output device  
(c) Input/Output device                      (d) Storage devices
- The flag that increments automatically after each read or write operation to the display RAM is \_\_\_\_\_. CO2- R  
(a) IF                      (b) RF                      (c) AI                      (d) WF
- Programmable peripheral input-output port is other name for \_\_\_\_\_. CO3- R  
(a) Serial input-output port                      (b) parallel input-output port  
(c) Serial input port                      (d) Parallel output port
- The strobed input/output mode is another name of \_\_\_\_\_. CO3- R  
(a) Mode 0                      (b) Mode 1                      (c) Mode 2                      (d) None
- Firewire is a method of transferring information between \_\_\_\_\_. CO4- R  
(a) Audio                      (b) Video                      (c) Audio and video                      (d) None

8. Collecting personal information and effectively posing as another individual is known as the crime of\_\_\_\_ CO4- R  
 (a) Spooling (b) Spoofing (c) Hacking (d) Identity theft
9. \_\_\_\_is an interactive instructional technique. CO5- R  
 (a) PCI (b) ACP (c) CAI (d) GPIB
10. The first digital computer built with IC chips was known as\_\_\_\_ CO5- R  
 (a) Intel 308 (b) Intel 33 (c) Intel 4004 (d) Motorola 639

PART – B (3 x 8= 24 Marks)

**(Answer any three of the following questions)**

11. Describe in detail about the functional and Architecture Block diagram of a PC Motherboard CO1- U (8)
12. Give a brief note on Network Interface Card CO2- U (8)
13. Illustrate in detail about plug in data acquisition and control boards CO3- Ana (8)
14. Elaborate the types involved in computer assisted Instruction. CO4- U (8)
15. Explain in detail about computer prescription used for patients in medicine. CO5- U (8)