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Question Paper Code: 59B52

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

Open elective

Civil Engineering

15UBM952 - COMPUTER APPLICATIONS IN MEDICINE

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

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The main circuit board inside your computer is called____ CO1- R
(a) Mother board (b) CPU (c) Processor (d) Memory
2. To avoid loading during read operation, the device used is_____. CO1- R
(a) Latch (b) Flipflop (c) Buffer (d) Tristate buffer
3. To avoid loading during read operation, the device used is_____. CO2- R
(a) Latch (b) Flipflop (c) Buffer (d) Tristate buffer
4. Computers that control processes, accept data in a continuous_____ CO2- R
(a) Data traffic pattern (b) Data highway (c) Infinite loop (d) Feedback loop
5. _____ is used as graphic cards CO3- R
(a) AGP (b) PCI (c) ISA (d) SCSI
6. Which of the following is found on linkedin? CO3- R
(a) Games (b) Connections (c) Chat (d) Applications
7. A mistake in an algorithm that causes incorrect results is called a CO4- R
(a) Logical error (b) Syntax error (c) Procedural error (d) Compiler error
8. Which ports connect special types of music instruments to sound CO4- R
cards?
(a) BUS (b) CPU (c)USB (d) MIDI

9. EBCDIC can code upto how many different characters? CO5- R
 (a) 256 (b) 16 (c) 32 (d) 64
10. Which is the first automatic electronic digital computer? CO5- R
 (a) ENIAC (b) MARK I (c) Z3 (d) ABC

PART – B (5 x 2= 10Marks)

11. Define Virtual memory. CO1- Ana
12. State UMLS. CO2- R
13. State MEDLARS. CO3- R
14. What are the problems occurred in Computer assisted Instruction? CO4- R
15. List out some of the acute complications of Diabetes. CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Enumerate a brief note on hardware. CO1- U (16)
 Or
 (b) Explain DOS interaction. CO1- U (16)
17. (a) Discuss in detail about disk controllers. CO2- U (16)
 Or
 (b) Elaborate the types of memory used in peripheral interfacing. CO2- U (16)
18. (a) Illustrate in detail about plug in data acquisition and control boards. CO3- Ana (16)
 Or
 (b) Summarize the major source of information which is useful to find from the internet. CO3- Ana (16)
19. (a) Elaborate the types involved in computer assisted Instruction. CO4- Ana (16)
 Or
 (b) Explain in detail about Computer based testing. CO4- Ana (16)
20. (a) Explain in detail about computer prescription used for patients in medicine. CO5- U (16)
 Or
 (b) Discuss in detail about the patient self- disease used in management education CO5-U (16)