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Question Paper Code: 59B52

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

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 Part of computer that have primary device to perform operation is called____ CO1- R
(a) System Unit (b) Port (c) Connectors (d) Hardware
2. To avoid loading during read operation, the device used is_____. CO1- R
(a) Latch (b) Flipflop (c) Buffer (d) Tristate buffer
3. Teletypewriter is an example of____. CO2- R
(a) Input device (b) Output device
(c) Input/Output device (d) Storage devices
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. 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
6. Which of the following is found on linkedin? CO3- R
(a) Games (b) Connections (c) Chat (d) Applications
7. Firewire is a method of transferring information between____ CO4- R
(a) Audio (b) Video (c) Audio and video (d) None

8. Which ports connect special types of music instruments to sound cards? CO4- R
 (a) BUS (b) CPU (c)USB (d) MIDI
9. ____ is an interactive instructional technique. CO5- R
 (a) PCI (b) ACP (c) CAI (d) GPIB
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. What are the different layers in OSI?. CO1- Ana
12. State UMLS. CO2- R
13. What is called MIDI? CO3- R
14. What are the problems occurred in Computer assisted Instruction? CO4- R
15. Compare clinical information system and patient communication. CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Describe in detail about the functional and Architecture Block diagram of a PC Motherboard CO1- U (16)
 Or
 (b) Explain DOS interaction. CO1- U (16)
17. (a) Correlate the effects of video card used in peripheral device. CO2- U (16)
 Or
 (b) Elaborate the types of memory used in peripheral interfacing. CO2- U (16)
18. (a) Estimate the relation between firewire ports and disk controllers CO3- Ana (16)
 Or
 (b) Summarize the major source of information which is useful to find from the internet. CO3- Ana (16)
19. (a) Enumerate what are the problems occurred in CAI and how to evaluate it by using an CAI evaluator CO4- Ana (16)
 Or
 (b) Explain in detail about Computer based testing. CO4- Ana (16)

20. (a) Describe in detail about the patient description notes used in clinical technique CO5- U (16)

Or

(b) What is meant by Electronic communication? CO5-U (16)
Explain how well the ill –patients are being diagnosed using CAI instruction.

