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Question Paper Code: 99B72

B.E./B.Tech. DEGREE EXAMINATION, MAY 2024

Open Elective

Civil Engineering

19UBM972- COMPUTER APPLICATIONS IN MEDICINE

(Common to CSE,EEE, ECE, MECH, IT ,CSBS, Chemical and Agriculture Engineering branches)

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10x 2 = 20 Marks)

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| 1. Explain storage devices? | CO1- U |
| 2. Draw the computer block diagram? | CO1- U |
| 3. List out the types of keyboard interface | CO2- U |
| 4. Give a short notes on cache memory | CO2- U |
| 5. Gives a short notes on MEDLARS? | CO3- U |
| 6. Describe the usage of Pub med? | CO3- U |
| 7. What is meant by computer based testing? | CO1- U |
| 8. Define computer assisted Instruction | CO1- U |
| 9. How the clinical notes are stored in computer assisted instruction? | CO5- U |
| 10. Draw the schematic representation of Maslow's Theory | CO5- App |

PART – B (5 x 16= 80Marks)

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| 11. (a) Draw the Block diagram of a Personal Computer and explain each blocks? | CO1- U | (16) |
| Or | | |
| (b) Explain how to interaction the disk operating system? | CO1- U | (16) |

12. (a) Describe how to connect short range devices connected with computer? CO2- U (16)
- Or
- (b) Describe the Bluetooth connector and disk controllers? CO2- U (16)
13. (a) Analyze the data acquisition by using serial interfaces with neat diagram CO3-Ana (16)
- Or
- (b) Explain detail about MEDLARS and its evolution? CO3-U (16)
14. (a) Explain in detail about Computer assisted instruction? CO4- App (16)
- Or
- (b) Elaborate the steps involved in computer assisted Instruction. CO4- App (16)
15. (a) With a suitable example explain the need for computerized prescription in computer assisted patient education CO5- Ana (16)
- Or
- (b) Give a brief note on patient self- management system in medicine. CO5- Ana (16)