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Question Paper Code: 99871

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

Open Elective

Civil Engineering

19UIT971- PC TROUBLESHOOTING

(Common to CSE,ECE,EEE,,MECH,AGRI & BME Engineering)

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Outline on Operating system. CO2-U
2. Classify and List the internal components of computers. CO2-U
3. Justify why a particular device is considered both as an Input as well as an Output device i.e. as an I/O device. List a few I/O devices that you consider to be in detail. CO3- Ana
4. Make use of the idea and develop a flow diagram that illustrates the concept of Modulation and Demodulation CO1- App
5. List and explain the 4 functions of BIOS CO2-U
6. Explain about poor cooling mechanism CO2-U
7. Outline on the 4 types of maintenance in computer? CO2-U
8. Compare Ransom ware and Root kit CO2-U
9. Summarize the possible solution for the issue, if the printer is not working? CO2-U
10. Justify your answer, what are the reasons why database restores might not work CO3- Ana

PART – B (5 x 16= 80 Marks)

11. (a) Explain in detail about the various error detection techniques in detail. CO2- U (16)
- Or
- (b) Explain in detail about the concept of operating system and detail out how it influences the modern PC and the user. CO2- U (16)
12. (a) The charge coupled device (CCD) Sensor in a Flatbed scanner is replaced by a Contact Imaging sensor (CIS) in the recent days as a technology update. Justify and explain why CIS is being introduced instead of CCD. CO3- Ana (16)
- Or
- (b) Justify why a particular device is considered both as an Input as well as an Output device i.e. as an I/O device. Mention a few I/O devices that you consider to be in detail. CO3- Ana (16)
13. (a) Explain about Peripheral Interfaces and Controllers in detail CO2- U (16)
- Or
- (b) Explain the components of mother board and detail out its characteristics. CO2- U (16)
14. (a) Explain about virus and its types in detail. CO2- U (16)
- Or
- (b) Illustrate on how data is recovered during system failure/corrupted files. CO2- U (16)
15. (a) Explain in detail about the fault elimination process in detail CO2- U (16)
- Or
- (b) Outline on troubleshooting and explain Systematic Troubleshooting in detail CO2- U (16)