## Question Paper Code: 99871

B.E./B.Tech. DEGREE EXAMINATION, NOV 2022

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   CO3- Ana
    Output device i.e. as an I/O device. List a few I/O devices that you consider to
    be in detail.

4.  Make use of the idea and develop a flow diagram that illustrates the concept of   CO1- App
    Modulation and Demodulation

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   CO3- Ana
    work

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)

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