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Question Paper Code: 59871

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

Open Elective

Civil Engineering

15UIT971 – PC TROUBLESHOOTING

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

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

PART A - (5 x 1 = 5 Marks)

1. Which is the form of hardware that provides electrical supply to all the internal mother board circuit? CO1- R
 - (a) AGP
 - (b) PCI
 - (c) SMPS
 - (d) Memory slot
2. SSD Stands for CO2- R
 - (a) Secured storage device
 - (b) Solid storage drive
 - (c) Solid state drive
 - (d) Secured solid drive
3. Missing slot covers on a computer can cause? CO3- R
 - (a) over heat
 - (b) power surges
 - (c) EMI
 - (d) incomplete path for ESD
4. While working with Ms-Dos which command transfers a specific file from one disk to another? CO4- R
 - (a) Copy
 - (b) Diskcopy
 - (c) Time
 - (d) Rename

5. If a PC freezes or behaves otherwise erratically, and the system unit is very quiet, the most likely cause is: CO5 -R
- (a) A virus has infected the system
 - (b) The hard-drive is almost out of space
 - (c) The CMOS RAM is failing
 - (d) The power-supply fan has failed and the system is overheating

PART – B (5 x 3= 15Marks)

6. Explain instruction prefetch with suitable diagram CO1- R
7. Explain the different ways of Hard Drive Failure? CO2- R
8. How do you come to a conclusion that a Motherboard failure has occurred? CO3- R
9. What is Blue Screen of Death (BSOD)? CO4 -R
10. Give Some most Common Computer faults occur in PC. CO5- R

PART – C (5 x 16= 80Marks)

11. (a) Assume that a hard disk installed with windows OS having a single partition say local disk c alone. If the user of the computer wishes to have multiple partitions for convenience, is it possible to partition the hard disk explicitly. Justify the answer. CO1- App (16)
- Or
- (b) If there is a possibility of installing an operating system from a flash drive, Illustrate how a flash drive can be mounted as a bootable device. Also explain how an operating system can be installed from a bootable flash drive if possible. CO1- App (16)
12. (a) Justify Why IDE ports are replaced by SATA ports in a Hard Disk Drive in detail. Compare and Contrast IDE and SATA Ports and the types of connectors used for both the ports in detail. CO2- App (16)
- Or
- (b) Classify the types of scanners and State the advantage of a scanner input device CO2- App (16)
13. (a) Discover the Motherboard Logic OG and categorize the various components in it. CO3- Ana (16)

Or

- (b) Assume that you had brought an old computer machine in which you had moved some files into the recycle bin. However on rebooting ,the system checks the memory and comes with the message saying
FDC Failure
Primary HDC failure
Press F1 to continue.
Solve the above issue with proper solutions. CO3- Ana (16)
14. (a) Your computer is infected" fake anti-virus pop-up alert scams is displayed in your computer. What you will do? CO4- U (16)
Or
(b) When you on your computer, The following warning message will display. "Warning! Your computer may be infected". How will you detect this error? CO4 -Ana (16)
15. (a) Troubleshoot the following error: "Keyboard not working. Error code 301 appears on the screen". CO5 -App (16)
Or
(b) Identify the solutions for the following problems: CO5- App (16)
"Boot Disk Failure. Type Key to retry"

