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**Question Paper Code: 59871**

B.E./B.Tech. DEGREE EXAMINATION, SEP 2020

Open Elective

Civil Engineering

15UIT971 – PC TROUBLESHOOTING

(Common to CSE,ECE,EEE,EIE,Mechanical,Chemical,Biomedical and  
Agriculture Engineering branches)

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

**(Answer any Six of the following Questions)**

- DMA is used between CO1- R  
(a) microprocessor and I/O                      (b) microprocessor and memory  
(c) memory and I/O                                (d) none
- The techniques which move the program blocks to or from the physical memory is called as \_\_\_\_\_ CO1- R  
(a) Paging    (b) Virtual memory organization  
(c) Overlays     (d) Framing
- SSD Stands for CO2- R  
(a) Secured storage device                      (b) Solid storage drive  
(c) Solid state drive                                (d) Secured solid drive
- A group of magnetic tapes, videos or terminals usually under the control of one master is CO2- R  
(a) Cylinder                      (b) Surface                      (c) Track                      (d) Cluster
- Which of the following microprocessor is considered to be the first 16-bit Microprocessor? CO3- R  
(a) Intel 4004                      (b) Intel 8088                      (c) Intel 8086                      (d) Intel 80286
- A piece of data that can be transferred between CPU and backup storage is called CO3- R  
(a) block                      (b) stream                      (c) cartridge                      (d) gap

7. The Bootstrap loader program in which of the following device?  
 (a) RAM (b) Hard Disk (c) ROM Bios (d) None of the above
8. Which of the following processors can be Upgradable? CO3- R  
 (a) Intel 8086 (b) Intel 8088 (c) Intel 80286 (d) None of the above
9. From where can the boot option be selected? CO4- R  
 (a) Advanced BIOS Features (b) Advanced chipset Features  
 (c) CPU Soft menu (d) Power management setup
10. 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

PART – B (3 x 8 = 24 Marks)

**(Answer any Three of the following Questions)**

11. How to send a nice short message like 11010111 using the CRC with the polynomial  $x^3 + x^2 + 1$  as our generator. CO1- App (8)
12. Classify the types of scanners and State the advantage of a scanner input device. CO2- App (8)
13. How you assemble the optical mouse, explain the assembling steps and check the working condition. CO3- Ana (8)
14. Discover the Motherboard Logic OG and categorize the various components in it. CO3- Ana (8)
15. 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 (8)