C

Reg. No. :

PART A - (5 x 1 = 5 Marks)

1. The techniques which move the program blocks to or from the physical   CO1- R
   memory is called as _____

   (a) Paging   (b) Virtual memory organization

   (c) Overlays   (d) Framing

2. A hard disk is divided into tracks which are further subdivided into: CO2- R

   (a) Clusters   (b) Sectors   (c) Vectors   (d) heads

3. For passing control to POST when switching on the PC, the following   CO3- R
   units should be in working condition.

   (a) microprocessor   (b) PROM

   (c) RAM   (d) Interrupt Controller

4. 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

5. If a user wants to add another adapter card into a PC, the first concern   CO5 -R
   would be:

   (a) Is the card a "Plug-and-Play" card?

   (b) Would there be enough hard-drive space for the driver-software for the card?

   (c) Would the power supply be able to provide enough power for the card?

   (d) Is there a vacant slot available for the card?

6. What is the decimal value of the hexadecimal number 777 and hexadecimal   CO1- R
   value of decimal number 5238?
7. Why SSD is said to be a Solid state drive?   CO2- R
8. Write the various data recovery software available for HDD and pen drive.   CO3- R
9. Mention some Anti-Virus Software for protect our project file.   CO4 -R
10. Mention any two Software and Hardware Faults.   CO5- R

PART – C (5 x 16= 80Marks)

11. (a) Suppose we want to print 100 lines on a printer .In which mode   CO1- App   (16)
    can the printing be done faster – the program mode or   the
    interrupt mode? Justify this statement.

    <div align="center">Or</div>

    (b) An 8-bit byte with binary value 10101111 is to be encoded using   CO1- App   (16)
    an even-parity Hamming code. Show the binary value after
    encoding?

12. (a) Assume that while turning on your computer a blue screen is   CO2- App   (16)
    displayed without booting. How will you solve this issue in real
    time? Also if you hear One long beep and two short beeps after
    turning your computer ON what hardware fault will you conclude
    as an Engineer?

    <div align="center">Or</div>

    (b) Classify the types of scanners and State the advantage of a   CO2- App   (16)
    scanner input device

13. (a) Assume that a new device say pen drive is inserted in your   CO3- Ana   (16)
    computer and the computer displays a message saying device is
    not identified properly. Depict the various troubleshooting
    techniques to solve this issue

    <div align="center">Or</div>

    (b) Inspect why Windows 7 operating system is vastly used in real   CO3- Ana   (16)
    world compared to windows XP. Point out your opinion on why
    windows 7 superseded windows XP and what you consider as the
    main feature being introduced in windows 7 OS compared to XP?

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14. (a) What are the ways to Defragment the drives of your computer in the windows XP?   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) Consider the following problem.   CO5 -App   (16)
"Floppy Drive Selected, No Display." Find out the solutions.

Or

(b) Identify the solutions for the following problems: CO5- App   (16)
"Boot Disk Failure. Type Key to retry"

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