

KCP SIDDHARTHA ADARSH RESIDENTIAL PUBLIC SCHOOL

Kanuru, Vijayawada – 520 007

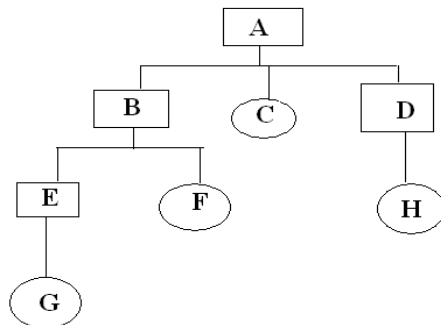
UNIT TEST - 1

Class : XI
Sub : Computer Science

Marks : 30
Time : 1 ½ Hr

All questions are compulsory:

- 1) How is a compiler different from interpreter? 2M
- 2) What are the functional components of a digital computer? Explain. 3M
- 3) Which of the following doesn't represent an I/O device? 1M
 - a) Speaker which beeps
 - b) Joystick
 - c) Plotter
 - d) ALU
- 4) What is an application software? Give one example. 1M
- 5) Extend the following: i) PDA ii) PACE 1M
- 6) Define each of the following: 2M
 - a) Nibble
 - b) Byte
 - c) Giga Byte
 - d) Tera Byte
- 7) Construct the following directory structure using DOS-commands: 3M



- 8) Create a text file using DOS command and delete the created file. 1M
- 9) Complete the sequence of following binary and hexadecimal numbers: 2M
 - i) 100,101,110,____,____ (Binary)
 - ii) 297,298,299,____,____ (Hexadecimal)
- 10) Convert the following numbers: 4 x 2 = 8M
 - i) $(A13F)_{16} = (?)_{10}$
 - ii) $(1101000011)_2 = (?)_8$
 - iii) $(7FA)_{16} = (?)_8$
 - iv) $(701)_8 = (?)_2$
- 11) Convert the following numbers: 2 x 2 = 4M
 - i) $(1001.1101)_2 = (?)_{10}$
 - ii) $(43.22)_{10} = (?)_{16}$
- 12) Find the two's complement form of -58. 2M

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