**D 32515** **(Pages : 2)** **Name.....**

**Reg. No.....**

# FIRST SEMESTER B.Sc. DEGREE EXAMINATION, JANUARY 2013

(CCSS)

Computer Science

CS1 C01—COMPUTER FUNDAMENTALS AND APPLICATION PACKAGES

Time : Three Hours Maximum : 30 Weightage

I. Answer all *twelve* questions.

1 ASCII stands for _____

2 A binary digits is called a _____

3 The Excess-3 equivalent of the BCD code **0101** is _____

4 EEPROM stands for _____

5 CD-ROM stands for _____

6 The input device used mostly for computer games is _____

7 An example of a non-impact printer is _____

8 SDLC stands for _____

9 The binary equivalent of 20 is _____

10 The universal gates are _____

11 The device which is used to input an images into the computer is _____

12 Which flowchart symbol used to indicate **1/0** operation _____

(12 x ¼ = 3 weightage)

II. Short Answer Type Questions (Answer all *nine* questions)

13 What are complements ?

14 What are truth tables ?

15 Define Cache memory.

16 What is a digitizing tablet ?

17 What is the functions of a touch screen ?

18 Define plotter.

19 What is a half-adder ?

20 Write the truth able for NAND gate.

21 What is a subtractor ?

(9 x 1 = 9 weightage)

**Turn over**

III. Short essay *or* paragraph questions (Answer any *five* questions) :

22 What is the significance of 2's complement in binary arithmetic ?

23 What is the functions of a scanner and what are the different types of scanners ?

24 What are the different types of monitors ?

25 What do you mean by top-down program design ?

26 Explain XNOR operations with truth table.

27 What are the major functions of a computer ?

28 What are registers ? State the importance of registers.

(5 x 2 = 10 weightage)

IV Essay questions (Answer any *two* questions) :

29 What are the different kinds of input devices ? Explain.

30 Explain different testing methods.

31 Convert the decimal numbers 101 to equivalent binary, octal and hexadecimal numbers.

(2 x 4 = 8 weightage)