

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2013

(UG – CCSS)

Computer Science (Open Course)

CS 5D 02—COMPUTER FUNDAMENTALS

Time : Three Hours

Maximum : 30 Weightage

I. Answer all *twelve* questions :

- 1 A nibble consists of _____ bits.
- 2 The amount of memory that can be addressed with 16 bits is _____.
- 3 _____ is an example of high level language.
- 4 POST stands for _____.
- 5 _____ translates an assembly language program to machine language.
- 6 _____ is an example of web browser.
- 7 DNS stands for _____.
- 8 Write the format of IP address.
- 9 _____ is an image file format.
- 10 MPEG stands for _____.
- 11 _____ is an example of flat panel display.
- 12 Write an example of computer virus.

(12 × ¼ = 3 weightage)

II. Answer all *nine* questions :

- 13 Define cache memory.
- 14 Define memory address.
- 15 Define operating system.
- 16 Differentiate between interpreter and compiler.
- 17 What is a Hub ?
- 18 What is a search engine ?
- 19 Define Pixel.

20 What do you mean by spam ?

21 Explain the term hacker.

(9 × 1 = 9 weightage)

II. Answer *five* questions :

22 Explain memory hierarchy.

23 Discuss functions of an operating system.

24 Explain the characteristics of assembly and machine languages.

25 Write notes on fibre optics and microwave communication media.

26 Write note on web browser.

27 Explain the fundamentals of image compression.

28 Write notes on antivirus and firewall.

(5 × 2 = 10 weightage)

V. Answer any *two* questions :

29 Discuss secondary storage devices.

30 Give a detailed account of types of operating system.

31 Discuss applications of internet.

(2 × 4 = 8 weightage)