THIRD SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

A 12—GENERAL INFORMATICS

(2017 Admissions)

Time : Three Hours   Maximum : 80 Marks

Part A

Answer **all** *questions.*
Each question carries 1 *mark.*

I. Choose the correct answer :

   1 Every computer connected to the Internet is identified by a unique four-part string, known as :

      (A) IP address.   (B) Host name.

      (C) Domain name.   (D) None of the above.

   2 PNG refers to :

      (A) Image file.   (B) Movie/animation file.

      (C) Audio file.   (D) MS Office document.

   3 Person who gains unauthorized access to a computer network :

      (A) Programmer.   (B) Cracker.

      (C) Hacker.   (D) None of these.

   4 Which one is an open source software ?

      (A) Linux.   (B) Ubuntu.

      (C) Free BSD.   (D) All of these.

   5 In which topology there is a central controller or hub ?

      (A) Star.   (B) Mesh.

      (C) Ring.   (D) Bus.

II. Fill in the blanks :

   6 ———————— refers to a code of safe and responsible behaviour for the internet community.

   7 ———————— is a free and open-source desktop environment for Unix-like operating systems.

   8 ERP means ——————.

9 PDA stands for —————.

10 ————— is a satellite navigation system used to determine the ground position of an object.

(10 × 1 = 10 marks)

Part B (Short Answer Questions)

Answer any **eight** *questions.*
Each question carries 2 marks.

11 What is network topology ?

12 What is application software ? Give any two examples.

13 What do you mean by DNA computing ?

14 State the meaning of adware.

15 What are cookies ?

16 What is BRNET ?

17 List the symptoms of cyber addiction.

18 Explain the concept of green computing.

19 Briefly explain any one of the open source office software.

20 Write a note on MMS.

(8 × 2 = 16 marks)

Part C (Short Essay Questions)

Answer any **six** *questions.*
Each question carries 4 marks.

21 Explain the features of new generation personal computer.

22 What is operating system ? Explain its functions.

23 Briefly explain the application of IT in the field of Business and commerce.

24 Write a short note on cloud computing.

25 What is cyber crime ? Explain different modes of cyber crime.

26 Explain the term Digital Divide.

27 Explain open source software.

28 Explain the guidelines for proper usage of internet and computer.

(6 × 4 = 24 marks)

Part D (Essay Questions)

Answer any **two** *questions.*
Each question carries 15 marks.

29 What is E-Governance ? Discuss various E-Governance initiatives in India.

30 Briefly explain the use of IT in learning and teaching.

31 Discuss the impact of IT on society.

(2 × 15 = 30 marks)