

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 \_\_\_\_\_.

Turn over

- 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)*