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Name.....

Reg. No.....

**THIRD SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2020**

B.Com.

BCM 3A 12—GENERAL INFORMATICS

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part I

Answer all questions.

Each question carries 1 mark.

I. Choose the correct answer :

1 The computer network that spans a relatively small area :

- (a) WAN. (b) MAN.
(c) LAN. (d) TAN.

2 The concept used for any type of commercial manoeuvring, or business deals that involves the transfer of information across the globe via internet :

- (a) E-mail. (b) E-learning.
(c) E-business. (d) E-commerce.

3 The legal instrument (usually by way of contract law) governing the usage or redistribution of software. All software is copyright protected, except material in the public domain :

- (a) Software license. (b) Owners agreement.
(c) Tenancy. (d) Legacy.

4 This means a place to store knowledge and retrieve knowledge. Eg. internet, :

- (a) Knowledge centre.
(b) Knowledge depository.
(c) Knowledge bank.
(d) Knowledge repository.

Turn over

5 A set of exclusive rights granted by a state to an inventor or his assignee for a limited period of time in exchange for a disclosure of an invention. Only non-obvious ideas can be patented :

- (a) Patent. (b) Franchise.
(c) Copyright. (d) Goodwill.

II. Fill up the blanks :

- 6 System _____ software makes the computer ready to interact with the user. Without this a computer cannot work.
- 7 A _____ hacker is a person who breaks into computers, usually by gaining access to administrative controls.
- 8 A program or programming code that duplicates itself and infects the computer is termed a _____.
- 9 _____ is the study and practice of using computing resources efficiently.
- 10 A _____ is a storage location from which software packages may be retrieved and installed on a computer.

(10 × 1 = 10 marks)

Part II

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

- 11 What do you mean by communication processor ?
- 12 What do you understand by Network adapters ?
- 13 What are the major image input devices in a computer system ?
14. What is PAN ?
- 15 Write a note on website.
- 16 What do you mean by Free Software ?
- 17 What is information need ?
- 18 State the disadvantages of e-governance.
- 19 Define mobile compounding.
- 20 What do you mean by Bluetooth ?

(8 × 2 = 16 marks)

Part III (Short Essays)

Answer any six questions.

Each question carries 4 marks.

- 21 Explain star topology. What are its merits ?
- 22 Write a note on blog.
- 23 What is star topology ?
- 24 Is DNA Computer a Reality ? Discuss.
- 25 Distinguish between Data, Information, Knowledge and Knowledge management.
- 26 State the importance of LINUX.
- 27 Mention the problem in using computers in local language.
- 28 Write note on IT and regional languages.

(6 × 4 = 24 marks)

Part IV (Long Essays)

Answer any two questions.

Each question carries 15 marks.

- 29 What are the different types of operating system ? Explain with examples.
- 30 Elaborate the need for use of IT in Education.
- 31 Mention the common guidelines for the usage of computers and internet.

(2 × 15 = 30 marks)