CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)
Term-End Examination
June, 2021

CIT-002 : INTRODUCTION TO INFORMATION TECHNOLOGY

Time : 2 hours　　　　　*Maximum Marks : 50*
　　　　　　　　　　　　　　(Weightage : 75%)

*Note :　There are **two** sections in this paper, Section A and Section B. **All** questions in Section A are **compulsory**. Answer any **three** out of four questions in Section B.*

SECTION A

Questions no. 1 to 10 carry 1 mark each. They are all "Fill in the blanks" pattern questions. Write your answers in the answer sheet. Questions no. 11 and 12 carry 5 marks each.　　　　　*10×1=10*

1. Digital Sound Recorder is an example of _____ system aplication.

2. _____ is an output device used to produce the hard copy of graphs and diagrams only.

3. A picture can be represented as a 2-dimensional grid of dots or squares. These small dots or squares are called _____.

4. _____ denote all types of computer tools for business modelling, requirements gathering up to implementation.

5. MIS stands for _____.

6. .GIF is a common _____ format.

7. SSL stands for _____.

8. Interpretation of data results in _____.

9. Oracle is a _____ management software.

10. Network of networks used to link computers in cyberspace is called _____.

11. (a) Define the term "Quality of Information". Why should quality of information be high ? *2*

    (b) List the precautions that should be undertaken while logging into Internet Banking Website. *3*

12. (a) Differentiate between Decision Support Systems and Executive Support Systems. *3*

    (b) What are the advantages of Graphical User Interfaces ? *2*

SECTION B

*Answer any **three** from the following :*

13. (a) How are the characteristics of a Embedded operating system different from a Desktop computer operating system ?   *3*

    (b) A system is to be developed for senior citizens. What are the two input devices and two output devices that would you like to use for this system ? Justify the selection of I/O devices that you have selected.   *4*

    (c) How is "Recognition" in the context of computer vision, different from "Image Restoration" ?   *3*

14. (a) A company that has a large number of employees, who are placed in various branch offices, is facing problem of tracking leave records and absenteeism. They decide to develop an information system named "Leave Information System".

      (i) What should be the objective of this system ?   *1*

      (ii) List at least four requirements for this system from the viewpoint of Human Resource Manager.   *3*

      (ii) What functions should be included in this system for employees ?   *2*

(b) How can MIS be useful in

    (i) Budgeting and performance analysis of a company ?

    (ii) Finance and Accounting ? *4*

15. (a) Explain any four limitations and constraints of e-Commerce. *4*

(b) Explain the external and internal strategic objectives of e-Governance. *3*

(c) Explain the uses of any two asynchronous tools for e-learning. *3*

16. (a) Define the following in the context of information effectiveness parameters : *4*

    (i) Exactness

    (ii) Timing

    (iii) Contents

    (iv) Regularity

(b) What is Digital Divide ? What is meant by Global dimension of digital divide ? *3*

(c) What are the legal barriers for adopting a digital identity mechanism in the context of cyberspace ? *3*

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