

**CERTIFICATE IN INFORMATION  
TECHNOLOGY (CIT)**

**Term-End Examination**

**December, 2019**

02784

**CIT-002 : INTRODUCTION TO INFORMATION  
TECHNOLOGY**

*Time : 2 hours*

*Maximum Marks : 50*

*(Weightage : 75%)*

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

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**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.  $10 \times 1 = 10$*

1. \_\_\_\_\_ and \_\_\_\_\_ are two most common hardware description languages.
2. This text contains link to other texts. It is called \_\_\_\_\_.
3. The smallest item of information in an image is called a \_\_\_\_\_.

4. The main objective of \_\_\_\_\_ is to uncover errors during the process of development of MIS.
5. \_\_\_\_\_ systems handle routine information items, more often manipulating data or transactions of an organisation.
6. \_\_\_\_\_ are the debit and credit cards and other card products enhanced with a chip capable of storing greater amount of data.
7. The strategic objective of \_\_\_\_\_ is to support and simplify governance for all parties — government, citizens and businesses.
8. \_\_\_\_\_ is one of the standards for E-learning environment/model.
9. Representation of raw fact or statement of event without relationship to other things is called \_\_\_\_\_.
10. \_\_\_\_\_ is the total interconnectedness of human beings through networked computers and telecommunications without regard to physical geography.

11. List any five ICT technologies. Also give the basic usage of these five technologies. 5
12. (a) What is a Management Information System ? Why is it needed ? 2
- (b) Define the term "Human Computer Interaction". An interface with computer requires a user to input a set of commands only. What is this interface called ? How can this interface be enhanced ? 3

## SECTION B

Answer any **three** from the following :

13. (a) Distinguish between the following : 5
- (i) Data and Information
  - (ii) Information and Knowledge
- (b) What is digital identity ? What is meant by identity theft ? 2
- (c) What is meant by digital divide ? What is its impact on employment ? 3
14. What are the features of the following components of MIS ? 10
- (i) Inventory and Material Management
  - (ii) Finance and Accounting
  - (iii) Manufacturing and Logistics
  - (iv) Quality Control
15. (a) Explain the C2C and B2E types of e-commerce. 3
- (b) What are the different media creation tools used for e-learning ? Explain their purpose. 5
- (c) Define the term medical imaging with the help of an example. 2

16. (a) What are the characteristics of embedded systems ? What are different classifications of embedded systems ? 4
- (b) Explain the following controls in the context of HCI and/or GUI : 3
- (i) Checkbox
  - (ii) Push-buttons
  - (iii) Sliders
- (c) What are the goals of computer vision ? Explain any one technical challenge for development of an intelligent computer vision system. 3
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