

**CERTIFICATE IN INFORMATION
TECHNOLOGY (CIT)**

Term-End Examination

December, 2018

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

Time : 2 hours

Maximum Marks : 50

(Weightage : 75%)

Note : (i) There are 2 sections A and B.

(ii) All questions in Section-A are compulsory.

(iii) Answer any three out of four questions in Section-B.

SECTION - A

Question No. 1 to 10 carry 1 mark each. They are all "Fill in the blanks" pattern questions. Write your answers in the answer sheet.

Question No.11 and 12 carry 5 marks each.

1. _____ are devices which are used to control, monitor or assist the operation of an equipment, machinery or plant. Microcontroller sensor, actuator and timer are some of its components.
2. Example of a Real time operating system for embedded system is _____.
3. HCI stands for _____.

4. _____ is defined as an extension to hypertext that supports linking graphics, sound and video elements in addition to text on websites.
5. _____ is a science that develops the theoretical and algorithmic basis by which useful information about the world can be automatically extracted and analysed from an observed image.
6. EDI stands for _____.
7. C2G stands for _____, is a type of e-commerce.
8. _____ allow citizens to communicate with Government, participate in the Government's policy-making and citizens to communicate with each other.
9. SCORM, LOM, QTI, LIP etc. are wide accepted _____ standards and specifications.
10. SDLC stands for _____, is the process of creating or altering systems, and the models and methodologies that people use to develop these systems. 10x1=10
11. Briefly explain the following type of information systems : 5
 - (a) Transaction Processing systems
 - (b) Decision Support systems
12. Define digital divide. Explain its impact on employment, development and on social interests. 5

SECTION - B

Answer any 3 from the following :

13. (a) List and explain the limitations and constraints of e-commerce. 5
- (b) List and explain some of the key elements on which the work flow, infrastructure and development of e-Governance project should focus on. 5
14. (a) Explain any 3 expert systems in Medical Domain. 6
- (b) Define maintenance of an Information System. Explain the corrective, adaptive and perfective maintenance. 4
15. (a) List and explain any 2 NICNET projects (solutions) in the area of e-Governance. 5
- (b) List and explain the application of Computer Vision in Military and Automobile domains. 5
16. (a) List and explain the advanced methods of communication with a computer. 5
- (b) Describe the functionality of Digital Sound Recorder with the help of a diagram. 5
-