# CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)
## Term-End Examination
### December, 2016

00735

## CIT-002 : INTRODUCTION TO INFORMATION TECHNOLOGY

*Time : 2 hours*                    *Maximum Marks : 50*

*(Weightage : 75%)*

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

## SECTION A

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

1.   HDL stands for _____ and is used by integrated circuit designers, VERILOG being one of them.                                                    *1*

2.   The full form of WWW is _____ .          *1*

3.   A _____ is an interface mechanism to interact with the operating system by typing commands at the prompt to perform specific tasks.                                              *1*

**4.** _____ is defined as an extension to hypertext that supports linking graphics, sound and video elements in addition to the text. *1*

**5.** _____ is the 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. *1*

**6.** SDLC stands for _____ . *1*

**7.** _____ are methodical models to progress managerial or professional decision-making by bringing significant data to the manager's notice. This system makes the data more functional to the managers. *1*

**8.** Operating system is an example of _____ software whereas MS-Office is an example of application software. *1*

**9.** B2B in e-Commerce stands for _____ . *1*

**10.** The process of converting voice dictation into a permanent written record utilizing word processing equipment and software using computers in medicine is called _____ . *1*

**11.** Define e-Commerce. List any eight advantages of it. *5*

**12.** Draw a block diagram of an embedded system and explain its characteristics. *5*

## SECTION B

*Answer any **three** from the following four questions.*
*Each question carries 10 marks (13 – 16).*

13. (a)  Define Voice User Interface and mention three of its essential elements. Give an example, where this interface can be used. 5

    (b)  With reference to the categories of areas listed below, give an application of an embedded system for each : 5×1=5

    (i)   Communication/Network devices

    (ii)  Home

    (iii) Medical

    (iv)  Computer peripherals

    (v)   Instrumentation

14. NIC plays a major role in the IT revolution at all levels by implementing projects in IT. List and explain any five projects implemented by it either at district/state/national level. 10

15. Which type of information systems are required for senior managers, middle management and employees ? Mention the respective type along with a brief description of the system. 10

16. With reference to e-Governance, briefly explain the objectives of the following : *10*

    (a) e-Services

    (b) e-Democracy

    (c) e-Government

    (d) e-Administration

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