CIT-002

CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

Term-End Examination

June, 2020

CIT-002 : INTRODUCTION TO INFORMATION TECHNOLOGY

Time : 2 Hours *Maximum Marks : 50*

(Weightage 75%)

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

Section—A

Note : Question No. **1** to **10** carry 1 mark each. They all are fill in the blanks pattern questions. Write your answer in the answer sheet Question No. **11** and **12** carry 5 marks each.

1. Information that has been processed and organised to communicate understanding or experience is called ....

2. .... is "the total interconnectedness of human beings through computers and telecommunications without regard to physical geography."

3. .... is the type of e-Commerce which is a direct selling by companies to end consumers via Internet.

4. The use of IT to improve the ability of Government to address the needs of society is called e-............

5. e-Mail is .... interactive tool for e-Learning.

6. In an embedded system data is collected from the environment though input devices called ....

7. The most common implementation of .... user interface involves windows, icons, menus and pointers.

8. .... refers to data, equipment and computer programs that are used for creating information for managerial use.

9. ERNET stands for ....

10. The phase/step of System Development Life Cycle (SDLC) in which buys and errors are uncovered is called ....

11. (a) Differentiate between Information and Knowledge.   2

    (b) Define the following terms :   3

        (i) Database Management System

        (ii) Real time operating system

12. (a) Explain the role of IT in education giving its objectives.   3

    (b) Explain the applications of computer vision in Medical imaging/ diagnostics.   2

Section—B

Note :Answer any *three* questions from the four questions given in this Section. Each question carries 10 marks.

13. (a) Explain the terms "Quality of Information" and "Value of Information." 3

    (b) List any *three* reasons for existence of digital divide. Are the current technological developments able to eliminate digital divide ? Explain. 5

    (c) What is a Cyber Crime ? 2

14. (a) What are the precautions/safety checks that you must perform in order to ensure safe online banking ? 5

(b)   How are e-mail and chat different in the
      context of technological tools for
      e-learning ?   3

(c)   Define the term Bioinformatics.   2

15. (a)   How are transaction processing systems
          different from decision support systems ? 3

(b)   What are the advantages of using MIS in
      an organisation ? Give any *two* examples
      of organization that use MIS.   4

(c)   List the purpose of any *six* projects
      implemented by NIC.   3

16. (a)   What is the role of a programming
          language for an embedded system ? List
          the factors that influence the choice of
          languages. Explain any *one* application of
          embedded system for home appliance.   6

(b) Define the following terms in the context of Human Computer Interaction or Computer visions :   4

   (i)   Hypertext

   (ii) Voice user interfaces

   (iii) Pixel

   (iv) Image restoration

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