A-0866

Total Pages : 4   Roll No. -------------

DIT-01/CCA-01

Introduction to Information Technology

(DIT/CCA)

1st Semester Examination 2024(Dec.)

Time: 2:00 hrs   Max. Marks: 100

Note : This paper is of Hundred (100) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Twenty Six (26) marks each. Learners are required to answer any Two (02) questions only.

[2x26=52]

Q.1.   Differentiate between system software, application software and integrated software?

Q.2.   Explain different computer memories used in computer and their uses.

Q.3.   Explain ISO-OSI reference model along with all the layers and their application in networking.

Q.4.   Illustrate and explain following components:

     a.   System unit

     b.   Power unit

     c.   Motherboard

Q.5.   Explain following terms:

   a.   WWW

   b.   Web Server

   c.   Search Engine

Section-B (Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only.

[4x12=48]

Q.1.   Define what are computers? Also give applications of computers along with their classifications.

Q.2.   Explain evaluation of computers along with their applications.

P.T.O.

Q.3. Define what do you understand by computer networks? Explain different topologies used in network using a suitable diagrams.

Q.4. What is internet addressing? What is the size and format of writing internet addresses. Explain using an example.

Q.5. Explain what do you mean by multimedia computing?

Q.6. What do you understand by internet security. Explain how we can ensure for a secure internet?

Q.7. Explain how processor, buses and I/O ports contribute together as hardware components for efficient communication.

Q.8. What is the difference between primary and secondary storage?

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