C1046

Roll No. ....

MGIS-01/PGDGIS-01/CGIS-01

Introduction to Informatics

Master / P.G. Diploma/Certificate in Geographical Information System (MGIS/MAGIS/MSCGIS/PGDGIS/CGIS-16/17)

1st Year/1st Semester Examination, 2022 (June)

Time : 2 Hours]   **Max. Marks : 80**

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A
(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. What is Computer Network? Explain the different types of Networks.

2. What is network Topology? Explain the different types of network topology.

3. Explain OSI reference model.

4. Explain the different types of Network Devices.

5. What is firewall? Explain the different types of firewall.

SECTION–B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only.   (4×10=40)

1. What is normalization? Explain the different types of Normal Forms.

2. Explain the architecture of a database system.

3. Differentiate between OSI and TCP/IP reference model.

4. What is Unicast, Multicast and Broadcast?

5. What are the advantages and disadvantages of Tree Topology?

6. Define Relational and network data model.

7. What is computer memory ? Explain RAM and ROM.

8. Explain the concepts of Algorithms.

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