Day : Thursday

Time : 02:00 PM-05:00 PM

Date : 1/12/2022

W-22730-2022

Max. Marks : 60

N.B.

1) Attempt **ANY TWO** questions from Question No. 1, 2, 3. Question Number **FOUR** is **COMPULSORY** from section – I. Solve ANY **TWO** questions from Section- II.

2) Figures to the right indicate **FULL** marks.

3) Answer to both the sections should be written in **SAME** answer book.

SECTION-I

Q. 1 **a)** What are the types of cloud computing? **(06)**

b) Explain difference between Cloud computing Vs Grid computing. **(06)**

Q. 2 **a)** What are the benefits of cloud computing? **(06)**

b) Explain two types of hypervisors with diagram. **(06)**

Q. 3 **a)** What is concept of service oriented Architecture (SOA)? **(06)**

b) What are properties of services? **(06)**

Q. 4 Write short Notes on **ANY THREE** of the following : **(12)**

a) Elements of service oriented Architecture (SOA)

b) WSDL, UDDI and SOAP technology

c) Performance and scalability of services

d) Development environment of Google cloud.

SECTION-II

Q. 5 Explain design principles of service oriented Architecture (SOA) while its generation. **(12)**

Q. 6 **a)** Explain basic service oriented Architecture (SOA) operations. **(06)**

b) Explain service oriented Architecture (SOA) message **(06)**

Q. 7 **a)** Draw Web service Deployments architecture and explain. **(06)**

b) What are the Google cloud platform service **(06)**

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