N.B.:

1) **Q. No. 4** and **Q. No. 8** are **COMPULSORY**. Solve any **TWO** questions from the remaining questions in each section.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SEPARATE** answer book.
4) Draw neat and labeled diagrams **WHEREVER** necessary.

SECTION-I

Q.1 a) Describe the purpose and need of BCDR. **(08)**
b) What are the benefits offered by BCP and DRP planning? **(08)**

Q.2 a) Discuss the steps involved in BCP process. **(08)**
b) Enlist the contents of disaster recovery plan. **(08)**

Q.3 a) Discuss the importance of BCP and DR preparedness. **(08)**
b) Define disaster and explain its various types. **(08)**

Q.4 Write short notes on any **THREE** of the following: **(18)**

a) Risk assessment in BCP
b) Warm sites and Cold sites
c) Fault tolerance and data availability
d) PDCA model

SECTION-II

Q.5 a) Describe various types of Backup. **(08)**
b) What is virtualization? Explain types of virtualization. **(08)**

Q.6 a) Discuss Volume shadow copy. **(08)**
b) What are the benefits and drawbacks in cloud computing? **(08)**

Q.7 a) Describe VoIP along with its associated risks. **(08)**
b) Explain stripped volume and mirror volume. **(08)**

Q.8 Write short notes on any **THREE** of the following: **(18)**

a) Load balancing with virtualization
b) SIP
c) Virus protection methods
d) Software As a Service

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