Name: Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2022

Course: IT Infrastructure Landscape   Semester: V
Program: B.Tech. (CSE+BAO)   Time   : 03 hrs.
Course Code: CSIT3016P   Max. Marks: 100

Instructions: Attempt all the questions

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Illustrate any 2 different table joins with suitable SQL queries.	4	CO1
Q 2	Suppose you want to start a large-scale business. Which storage technology will you use in your business and why?	4	CO2
Q 3	Explain 4 Aggregate operators of SQL with the help of SQL query.	4	CO3
Q 4	Discuss briefly RAID functions.	4	CO1
Q 5	Discuss primary and secondary storage.	4	CO2

SECTION B
(4Qx10M= 40 Marks)

Q 6	Discuss the different Database models contrasting their features with adequate examples.	10	CO3
Q 7	Illustrate the requirement of Zoning. Discuss the different types of Zoning.	10	CO2
Q 8	Differentiate between File Level and Block Level Storage with adequate examples.	10	CO2
Q 9	Discuss the importance of the Operating System. Explain the functions of an OS and different types of OS.	10	CO3

SECTION-C
(2Qx20M=40 Marks)

Q 10	Explain different types of servers on the basis of their services and on the basis of their structures.	20	CO4
Q 11	Discuss any 5 of the following in detail: a) SAN b) NAS c) DAS d) SATA e) SCSI f) RAID g) HTTP	20	CO5