


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: IT Infrastructure Landscape</b> <b>Program: B.Tech. (CSE+CCVT)</b> <b>Course Code: CSIT3016P</b>		<b>Semester: V</b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions: Attempt all the questions</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
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
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
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
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
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