

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2019

Course: Networking on Mainframe (CSIB-474)

Semester: VIII

Programme: B. Tech-CS-Mainframe Technology

Time: 03 hrs.

Max. Marks: 100

Instructions: Attempt all the questions. Assume proper data, if necessary.

SECTION A

S. No.	Question	Marks	CO
Q 1	What are the purposes of networking architecture?	4	CO1
Q 2	Explain VTAM display command.	4	CO2
Q 3	What are advantages of the peer-to-peer networks?	4	CO3
Q 4	Draw the TCP/IP model.	4	CO4
Q 5	What are the End User Perspective of the Network?	4	CO5

SECTION B

Q 6	What are the End-User and Basic Tele-processing concepts in SNA? Explain in details.	10	CO1
Q 7	How Communication take place between processor and terminals? Explain the modes of communication with their characteristics.	10	CO2
Q 8	What is Multi-domain networking? How LU – LU data flow in multi-domain environment?	10	CO3
Q 9	What is SNA? What are the Physical and Logical SNA network? Explain the SNA nodes and SNA links.	10	CO1
	OR		
	Explain with suitable diagram how VTAM can start from Operator Console.	10	CO2

SECTION-C

Q 10	What are the Open systems? What are the open systems standards? Compare layered architectures of OSI and SNA.	20	CO3 CO2
Q 11	Explain following networking protocols: a) IP b) DHCP c) BOOTP d) SMTP	20	CO4
	OR		
	What are the System Service Program (SSP) and Hierarchical Networking? Explain with suitable diagrams. What are the X.25 NPSI and X.25 SNI Connections?	20	CO5

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End Semester Examination, December 2018

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Time: 03 hrs.

Max. Marks: 100

Instructions: Attempt all the questions. Assume proper data, if necessary.

SECTION A

S. No.	Question	Marks	CO
Q 1	What are the characteristics of the network architecture?	4	CO1
Q 2	Explain Cross Domain Resource Manager (CDRM).	4	CO2
Q 3	What is Point-to-Point protocol?	4	CO4
Q 4	Write a short note on Frame Relay.	4	CO3
Q 5	Explain the terms: APPN End Node and APPN Network node	4	CO3

SECTION B

Q 6	Explain following networking protocols: a) CIDR b) ICMP	10	CO4
Q 7	What is Multi-domain networking? How LU – LU data flow in multi-domain environment?	10	CO2
Q 8	What are the X.25 interface? What are the different category of the X.25 networks devices?	10	CO3
Q 9	Explain Synchronous Data Link Control with suitable diagram.	10	CO1
OR			
	What are the Open systems? What are the open systems standards? Explain.	10	CO5

SECTION-C

Q 10	Explain the TCP/IP architecture. Explain the functionality of each layer of TCP/IP model.	20	CO4
Q 11	What are different VTAM operations? Explain Starting, Stopping and Controlling VTAM operation along with their commands.	20	CO2
OR			
	What are the System Service Program (SSP) and Hierarchical Networking? Explain with suitable diagrams. What are the X.25 NPSI and X.25 SNI Connections?	20	CO5