UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, April/May 2018

Course: Resource allocation on Mainframe   **Semester: VIII**
Program: B.Tech.(CSE) with Spl. in Mainframe Technology
Time: 03 hrs.   **Max. Marks: 100**

SECTION A

S. No.		Marks	CO
Q. 1	Which I/O adapter card is use for z series? How many versions are available for it? Explain.	7.5	CO3
Q.2	What is the use of HCD? Explain different functions of HCD.	7.5	CO1
Q.3	"An event progress within the system, the transitional states through which the event passes through ultimately may end up on a problem", explain in respect of Problem Analysis framework.	7.5	CO2
Q.4	What is the use of Support element? Explain, Support element configuration with CPCs.	7.5	CO2

SECTION B

Q.5	What are the different layers on which HMC performance test can be perform? Explain different tests that used to perform, respective to different layers.	15	CO3
Q.6	Compare following with suitable example (attempt any three). i. HCD vs. MVSCP & IOCP ii. Light propagation in multi-mode and single mode propagation iii. Cold, Quick and Warm start. iv. ESCON CTC Connections vs. FICON CTC Connections	15	CO1 CO2 CO4 CO3
Q. 7	i. Justify the statement "The key feature of system Z family of processors is RAS". ii. Explain the process of IPL. iii. Compare bus and star network topologies.	5 5 5	CO2 CO4 CO1

		SECTION-C		
Q. 8	i.	What is the use of Parallel Access Volumes? Compare different PAVs with suitable example. Explain benefits and rules of coding PAVs.	**15**	**CO1**
	ii.	What is the use of logical partitioning? Which mode of CPC you will use out of basic and LPAR mode? Justify your answer.	**10**	**CO1**

CONFIDENTIAL

Name of Examination (Please tick, symbol is given)	:	MID		END	⊔	SUPPLE	
Name of the School (Please tick, symbol is given)	:	SOE		SOCS	⊔	SOP	
Programme	:	B.Tech.(CSE) with Spl. in Mainframe Technology					
Semester	:	VIII					
Name of the Course	:	Resource allocation on Mainframe					
Course Code	:	CSIB 462					
Name of Question Paper Setter	:	Mr. Neeraj Chugh					
Employee Code	:	40000453					
Mobile & Extension	:	Mob:9897263888, Ext.: 1734					

Note: Please mention additional Stationery to be provided, during examination such as Table/Graph Sheet etc. else mention "NOT APPLICABLE":

FOR SRE DEPARTMENT

Date of Examination	:	
Time of Examination	:	
No. of Copies (for Print)	:	

Note: - Pl. start your question paper from next page

Model Question Paper (Blank) is on next page

Name: Enrolment No:	UPES

Course: Resource allocation on Mainframe   Semester: VIII
Program: B.Tech.(CSE) with Spl. in Mainframe Technology
Time: 03 hrs.   **Max. Marks: 100**

SECTION A

S. No.		Marks	CO
Q. 1	Explain the uses of HCD for defining IODFs.	7.5	CO1
Q.2	Explain MVS usage of IODF and IOCP during IPL.	7.5	CO1
Q.3	What is the use of Support element? Explain, Support element configuration with CPCs.	7.5	CO2
Q.4	"An event progress within the system, the transitional states through which the event passes through ultimately may end up on a problem", explain in respect of Problem Analysis framework.	7.5	CO2

SECTION B

		Marks	CO
Q.5	What is the use of logical partitioning? Which mode of CPC you will use out of basic and LPAR mode? Justify your answer.	15	CO1
Q.6	Write different performance tests for Operating system and network layers under HMC performance test.	15	CO3
Q. 7	i. Explain the procedure of deleting of partitions with CHIPIDs uniquely defined.	7.5	CO4
	ii. What is the use of Work Load Manager and dynamic alias management? Explain.	7.5	CO3

SECTION-C

			Marks	CO
Q. 8	i.	Can a tape device be automatically switchable? Justify your answer with suitable example.	10	CO3
	ii.	Can we migrate input data sets using the batch utility? Justify your	15	CO4

		answer.		