UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018
Course: IT Application Discovery & Dependency Management   **Semester: VII**
Programme: B.Tech CS with IT Infrastructure   **Course Code:CSIB432**
Time: 03 hrs.   **Max. Marks: 100**
Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Design Common Information Model in Power System with class diagram	4	CO1
Q 2	Describe the types of Configuration Item(CI) attributes with example	4	CO2
Q 3	Explain the components & relations of automatic discovery	4	CO2
Q 4	List out the unique identification of CI's standards?	4	CO2
Q 5	List the disadvantages of agent-less auto discovery	4	CO3

SECTION B

Q 6	Explain the CIM Meta Schema diagram, Properties and qualifier	10	CO1
Q 7	Explain clearly which ITIL processes are needed in CMDB?	10	CO1
Q 8	Explain the advantages of Agent-less and Agent Based CI discovery	10	CO2
Q 9	Explain the classification of configuration items in CMDB	10	CO1

SECTION-C

Q 10 a	Explain different probes used in agent-less auto discovery, Illustration probe processing and its parameters.	10	CO3
Q 10 b	Explain the procedure to install various agents on networked devices	10	CO4
Q 11	Explain the following common models with diagrams in CIM i. Application model ii. Database Model iii. Device model iv. Interop model	20	CO1

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	SECTION A		
S. No.		Marks	CO
Q 1	Explain at least five standards and technologies of Distributed Management Task Force	4	CO1
Q 2	Describe the types of configuration items attributes with example	4	CO2
Q 3	Explain the components & relations of automatic discovery	4	CO3
Q 4	Explain the need of manual modelling and its importance in CI	4	CO3
Q 5	List the disadvantages of agent-less auto discovery	4	CO3
	SECTION B		
Q 6	Describe the common Information model with appropriate example	10	CO1
Q 7	Explain clearly which ITIL processes are needed in CMDB?	10	CO1
Q 8	Explain the advantages of Agent-less and Agent Based CI discovery	10	CO3
Q 9	Explain following CI's with respect to automatic discovery controls i. Reconciliation CI ii. Policies and guidelines for CI	10	CO4
	SECTION-C		
Q 10 a	Explain the following physical topology views with respect to Dynamic Data center Topology and hierarchical implementation of CMDB in TADDM	10	CO3

Q 10 b	Explain the following phases occur during the discovery life cycle
	    i. Port scan phase ii. Classification phase
	    iii. Identification phase iv. Exploration phase
		10	CO3

Q 11	Explain the following common models with diagrams
	    i. Application model ii. Database Model
	    iii. Device model iv. Interop model
		20	CO1