


Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: IT Application Discovery and Dependency Management	Semester: III
Program: B. Tech CS with IT Infrastructure	Time 03 hrs.
Course Code: CSIT2006	Max. Marks: 100

Instructions: Answer ALL the Questions

SECTION A

S. No.	Question	Marks	CO
Q 1	List out the different layers in Common Information Model	4	CO1
Q 2	Demonstrate the Web Based Enterprise Management standards and sub-divisions	4	CO1
Q 3	Illuminate the development steps for configuration Management process	4	CO3
Q 4	List out the different standard Unique Identification of CI's	4	CO2
Q 5	State the Pros and cons of agent-less auto discovery	4	CO2

SECTION B

Q 6	Demonstrate the classification of configuration items(CI) and types of attributes with example	10	CO3
Q 7	Illuminate the Configuration Item discovery techniques as primary customer and customer and configuration matches <p style="text-align: center;">Or</p> Explain the Configuration Item discovery types and advantages	10	CO2
Q 8	Describe the procedure to install different agents on Networked devices in agent-based auto discovery	10	CO2
Q 9	Analyze the changes to find the root cause of the IT service failure and state the various types of root-cause analysis	10	CO4

SECTION-C

Q 10	The concept of CIM specification peruse the scenario in which you have to create a model of your IT elements using CIM specification. For that, first identify all the candidate set of elements in your organization and then examine these elements for properties, relationships and the business requirements. Use the object oriented modeling to create the tangible classes and their associations. Supposing that your goal is to keep the message payload of the services that your organization is rendering to a bare minimum. You need to create hierarchy inheritance to ensure that there is minimal data duplication across classes. (Hint: Draw the Hierarchy ,physical, logical and collection diagrams)	20	CO1
Q 11	Illustrate the physical topology views with respect to Dynamic Data Center Topology, Topology of a Hierarchical Implementation of CMDB in TADDM and importance of Physical Topology View <p style="text-align: center;">Or</p> Apply the different probes used in agent-less auto discovery for various environments	20	CO2