

<b>Name:</b>	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, May 2019**

**Course: Decision Management System**  
**Program: M.Tech-CSE**  
**Course Code: CSDA7004**

**Semester: II**  
**Time 03 hrs.**  
**Max. Marks: 100**

**Instructions: Attempt all the questions.**

**SECTION A**

S. No.		Marks	CO
Q 1	List the major components of the decision-making process.	5	CO1
Q 2	Describe the three forces that affect a particular individual's decision style.	5	CO2
Q 3	Illustrate the Monte-Carlo Method of simulation?	5	CO3
Q 4	Define the various models used in Decision Management System.	5	CO1

**SECTION B**

Q 5	Describe the role of artificial intelligence in designing the systems that can help us to take the decisions.	10	CO4
Q 6	Differentiate between structured vs unstructured types of decision making with the help of an example.	10	CO2
Q 7	How can modern IT tools help to synthesize qualitative and quantitative factors in decision-making?	10	CO3
Q 8	Explain Technical Feasibility and Financial Viability of Decision management system with the help of an example.  <b>OR</b> Analyze the Model Base Management System with the help of a case study.	10	CO3

**SECTION-C**

Q 9	Optimization is that discipline within applied mathematics that deals with optimization problems. Justify the statement and explain how this model help us to take the effective decisions.	20	CO1 CO2
Q 10	The technically-educated, English-speaking middle class has helped develop a USD \$60 billion "offshore" IT services industry in India. A majority of this work is focused on providing low-end IT services using a global delivery model. Both international IT services players and customers have been setting up operations in India to take advantage of low-cost labor. As the cost-advantage started to erode, Indian offshore IT service players tried to differentiate by developing expertise in	20	CO4

business process knowledge, emerging technology skills, and creation of intellectual property-based products. However, the companies have enjoyed limited success, so far.

Write a decision management case for the above.

**OR**

Supporting decision making is an important and potentially transformative research topic that is challenging for academic researchers to study. Anecdotal evidence suggests that computerized decision support systems (DSS) can improve decision quality and change the structure and functioning of organizations. To make progress in our understanding of this phenomenon there is an ongoing need for more decision support case study field research that includes documenting decision support impacts. Research case studies help understand the use and consequences associated with building and using computerized decision support. More descriptive and technical information about specific DSS will be helpful in explaining the variability of these technology artifacts. Current theory related to computerized decision support is inadequate and research case studies can potentially assist in theory building

Write a decision management case for the above.