

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)

CLASS: MCA  
BRANCH: MCA

SEMESTER : III  
SESSION : MO/19

SUBJECT: CA531 DECISION SUPPORT SYSTEMS

TIME: 3.00Hrs.

FULL MARKS: 50

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Explain Executive information system. Why there is a need for computerized decision support? Explain. [5]  
Q.1(b) What is structured, semi structured and unstructured decision? Briefly explain the differences among these types of decisions. [5]
- Q.2(a) Explain the - The intelligence phase, the design phase and the choice phase. [5]  
Q.2(b) How evaluation is done if there are Multiple Goals? Explain optimization. [5]
- Q.3(a) Explain strategic, tactical and operational models. What is the purpose of such classifications? [5]  
Q.3(b) What are the components Knowledge - based management Subsystem? Explain. [5]
- Q.4(a) Explain the phases of DSS Development process. [5]  
Q.4(b) Describe the activities included in the design phase and also mention what are the activities taken after design is completed. [5]
- Q.5(a) What is Collaboration? Explain how workflow software support decision making. [5]  
Q.5(b) Explain Nominal group technique and Delphi method .What are differences between these two techniques. [5]

:::::09/12/2019M:::::