

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

**CLASS: BCA  
BRANCH: BCA**

**SEMESTER : VI  
SESSION : SP/2025**

**SUBJECT: CA363 DECISION SUPPORT SYSTEM**

**TIME: 3 Hours**

**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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		CO	BL
Q.1(a)	Define DSS. What are some of the common characteristics of most DSS.?	[5] 1	2
Q.1(b)	Discuss the broad classes of DSS Users.?	[5] 1	2
Q.2(a)	What are the steps of decision making process. Explain rational decision making.?	[5] 2	2
Q.2(b)	What is Bounded Rationality. Describe Simon's Model of decision making.?	[5] 2	2
Q.3(a)	Explain GDSS. Discuss the factors that have led to increased use of group decision making.?	[5] 3	2
Q.3(b)	Discuss the information quality issues and role of Internet in DSS Design.?	[5] 3	1
Q.4(a)	Compare and Contrast the merits and demerits of different approaches of developing DSS.?	[5] 4	2
Q.4(b)	What are the different issues in the implementation and integration of DSS.?	[5] 4	1
Q.5(a)	What is an expert system. Discuss the factors that add to the complexity of Knowledge Acquisition.?	[5] 5	2
Q.5(b)	Explain briefly the future of Expert and AI Systems.?	[5] 5	1

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