



**RD-3751**  
**Second Year B. C. A. (Sem. IV) Examination**  
**March / April - 2017**  
**401 : Information System**

Time : 3 Hours ]

[ Total Marks : 70

**Instruction :**

<p>નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>SECOND YEAR B. C. A. (SEM. IV)</b></p> <p>Name of the Subject : <b>401 : INFORMATION SYSTEM</b></p> <p>Subject Code No. : <b>3 7 5 1</b> Section No. (1, 2,.....) : <b>NIL</b></p>	<p>Seat No. : <div style="display: flex; justify-content: space-around; width: 100px;"><div style="border: 1px solid black; width: 20px; height: 20px;"></div><div style="border: 1px solid black; width: 20px; height: 20px;"></div><div style="border: 1px solid black; width: 20px; height: 20px;"></div><div style="border: 1px solid black; width: 20px; height: 20px;"></div><div style="border: 1px solid black; width: 20px; height: 20px;"></div><div style="border: 1px solid black; width: 20px; height: 20px;"></div></div><div style="border: 1px solid black; border-radius: 10px; height: 80px; margin-top: 10px; display: flex; align-items: center; justify-content: center; padding: 10px;">Student's Signature</div></p>
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**1 Answer in short : 14**

- (1) Differentiate between Probabilistic and Deterministic system.
- (2) Define : Data and Information.
- (3) List out Principle Documents associated with Information Flow.
- (4) What is the significance of GIS ?
- (5) What is the significance of Feedback and Control in Information System ?
- (6) What is What-If Analysis ?
- (7) Define : System in an organization.

**2 Attempt any two : 14**

- (1) Explain various activities involved in TPS.
- (2) Explain various characteristics of valuable information.
- (3) List out various Business Information Systems. Explain any three special purpose systems.

- 3**    Attempt any two : **14**
- (1) Explain Development process of MIS.
  - (2) Write a note on advantages and disadvantages of ERP
  - (3) Explain components of DSS.
- 4**    Attempt any one : **14**
- (1) Give brief description of subsystems of College Management System. Explain how information will help you to take decision at various levels. Mention the MIS reports that can be generated.
  - (2) Give brief description of subsystems of Multi-Screen Theatre Management System. Explain how information will help you to take decision at various levels. Mention the MIS reports that can be generated.
- 5**    Write short notes : (Attempt any two) **14**
- (1) Objectives of TPS.
  - (2) Accounting System
  - (3) GDSS.
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