

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

**CLASS: MBA
BRANCH: MBA**

**SEMESTER : IV
SESSION : SP/19**

SUBJECT: MBA3065 SYSTEM ANALYSIS AND DESIGN

TIME: 3:00 HOURS

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 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.
-

- Q.1(a) Define System. What are different types of system? [6]
- Q.1(b) "Feedback is a control device to maintain the equilibrium in a system". Discuss with illustrations [6]
- Q.2(a) What is system analyst? Discuss the role of a system analyst in designing and implementing information system [6]
- Q.2(b) Explain the need of "feasibility study" before taking up the task of system design [6]
- Q.3(a) Write short notes on System requirement analysis and system evaluation [6]
- Q.3(b) Discuss System development life cycle [6]
- Q.4(a) What are the various fact finding techniques? [6]
- Q.4(b) What are the tools and techniques of system analysis and design [6]
- Q.5(a) A cooperative bank XYZ will grant loans under the following conditions: [6]
1. If a customer has an account with the bank and has no loan outstanding, loan will be granted.
 2. If a customer has an account with the bank but some amount is outstanding from previous loan, then loan will be granted if special management approval is obtained.
 3. Reject loan applications in all other cases.
- Draw decision tree and decision table.
- Q.5(b) Explain the principles of testing in brief. [6]
- Q.6(a) Define maintenance. What are different types of maintenance [6]
- Q.6(b) Discuss system failure and recovery techniques. [6]
- Q.7(a) Define Joint Application Development (JAD) and Rapid Application Development (RAD) [6]
- Q.7(b) Explain the need for documentation procedure in systems analysis and design. [6]

:01/05/2019:E