MBP-003-0072003 Seat No. _____

M. C. A. (Sem. II) (CBCS) Examination

April / May - 2018

P - 2030 : System Analysis & Design

Faculty Code : 003
Subject Code : 0072003

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

Instruction : Write answers of all the questions in main answer sheet.

1 (a) Attempt the following objective questions : **4**

(1) What is Subsystem?

(2) DSS stands for?

(3) Define Indirect end user.

(4) What is Close System?

(b) Attempt any one of the following : **2**

(1) List out functions of system analyst.

(2) List out steps for SDLC method.

(c) Attempt any one of the following : **3**

(1) Explain system prototype method in detail.

(2) Explain types of user.

(d) Attempt any one of the following : **5**

(1) What is Information system? Explain Categories of information system.

(2) Explain Project proposal and reasons for Project proposal.

2 (a) Attempt the following objective questions : **4**

(1) The analysis tool that presents the conditions and actions sequentially is known as _____.

(2) What is decision table?

(3) _____ is also known as context level diagram.

(4) What is data dictionary?

(b) Attempt any one of the following : **2**

(1) What is interview? Explain it.

(2) Explain the concept of Questionnaire.

(c) Attempt any one of the following : **3**

(1) List out tools for analysis and explain Decision tree in detail.

(2) Explain Data dictionary in detail.

(d) Attempt any one of the following : **5**

(1) What is Structured English? Explain types of structured statement.

(2) What is DFD? Explain it.

3 (a) Attempt the following objective questions : **4**

(1) What is variable data?

(2) _____ code place separate entities into distinct groups, called classes.

(3) In input validation, Modifying the transaction data includes.....

(4) What is combination test?

(b) Attempt any one of the following : **2**

(1) What is output? Explain Types of output.

(2) Explain Input validation.

(c) Attempt any one of the following : **3**

(1) What is Input? Explain objective of input design.

(2) Explain Existence test and Limit and Range test.

(d) Attempt any one of the following : **5**

(1) What is coding technique? Explain various coding techniques.

(2) Explain Designing of source document in detail.

4 (a) Attempt the following objective questions : **4**

(1) What is shared use?

(2) VTOC stands for?

(3) Nassi-Schneiderman chart is also known as _____

(4) _____ data model permits one-to-one and one-to-many relationship in the data.

(b) Attempt any one of the following : **2**

(1) What is relationship in data? Explain.

(2) What is set and subset in Warnier diagram.

(c) Attempt any one of the following : **3**

(1) Explain Coupling, Cohesion and span of control.

(2) Briefly explain structured flow chart.

(d) Attempt any one of the following : **5**

(1) What is Data model? List out the different types of data model and explain.

(2) Explain HIPO diagram.

5 (a) Attempt the following objective questions : **4**

(1) Program test is also called _____

(2) _____ determine the capacity of the system to store transaction data on a disk or in other files.

(3) What is training?

(4) In _____ conversion method, The old system is completely replaced by the new one.

(b) Attempt any one of the following : **2**

(1) Explain System testing.

(2) Define peak load test and storage test.

(c) Attempt any one of the following : **3**

(1) What do you mean by verification, validation and certification.

(2) What is test? Explain Unit testing.

(d) Attempt any one of the following : **5**

(1) Write a note on System Implementation methods.

(2) What is training? Explain training methods.
