



MBI-003-004204 Seat No. _____

B. Sc. (I.T.) (Sem. II) (CBCS) Examination

March / April - 2018

CS - 10 : SAD & SE

(Old Course)

Faculty Code : 003

Subject Code : 004204

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Answer the following : 20

- (1) HIPO stands for _____
- (2) The first level of testing is _____
- (3) MSD stands for _____
- (4) Error per KLOC is _____ oriented Metric.
- (5) If Class name is "School" then, a school in Surat City having name AVM is _____
- (6) Repetitive, Structure and frequent tasks can be handled by _____
- (7) Formal and informal are types of _____
- (8) Give full form of MIS.
- (9) How many stages SDLC has _____
- (10) _____ study determine that software is easily applicable.
- (11) Document Review, Site Visit, Questionnaire and _____ are Data Gathering techniques.
- (12) _____ is preferable in software development Early Changes or Changes after Coding.
- (13) Decision table can have maximum _____ rules for N conditions.
- (14) Hashing technique used in file organization for _____ types of files.

- (15) Draw symbol for table in DFD.
- (16) System Design is _____
- (17) Decision table is used to _____
- (18) Data Dictionary generally used to _____
- (19) An other name of DFD is _____
- (20) Customer can give or submit requirements at any time in any phase is _____

2 (A) Answer any three : 6

- (1) What is system analysis and design?
- (2) What is responsibilities of system analyst?
- (3) What is SDLC and its stages?
- (4) Explain Project Proposal.
- (5) Explain Project Review and selection.
- (6) Explain feasibility study.

(B) Answer any three : 9

- (1) Explain Categories of information system.
- (2) What is requirement Determination?
- (3) Explain Face Finding techniques.
- (4) Explain Tools for documenting procedures and decision.
- (5) Why SRS document required in Software Development?
- (6) Explain Data Flow Diagram.

(C) Answer any two : 10

- (1) Explain Data Dictionary.
- (2) Explain implementation of a software in accordance of SDLC.
- (3) Explain People, Product and Process in Software Engineering.
- (4) Write types of software.
- (5) Explain Linear Sequential model.

- 3** (A) Answer any **three** : **6**
- (1) What is Objective of input design?
 - (2) What is various coding technique?
 - (3) What is input validation?
 - (4) What is basic file terminology?
 - (5) What is top down structure of methods?
 - (6) What is software quality?
- (B) Answer any **three** : **9**
- (1) What is output? Explain type of output.
 - (2) Explain Types of tabular and Graphics.
 - (3) Explain Types of file.
 - (4) Explain Methods of files organization.
 - (5) Explain testing methods.
 - (6) Explain different types of software application and Myths and Reality.
- (C) Answer any **two** : **10**
- (1) Explain Project Planning and sizing.
 - (2) Explain Software Process and Different Process Models.
 - (3) Explain Risk Management.
 - (4) Explain OOA and OOD.
 - (5) Explain RMMM plan.
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