



NBI-003-004204

Seat No. _____

B. Sc. (IT) (Sem. II) (CBCS) Examination

April / May - 2017

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 Questions : 20

- (1) If Class name is "School" then a school in Rajkot City having name AVM is _____
- (2) MSD stands for _____
- (3) Hashing technique used in file organization for _____ types of files.
- (4) Decision table can have maximum _____ rules for N conditions.
- (5) Information Engineering is the combination of _____ phase in Waterfall Model.
- (6) Repetitive, Structure and frequent tasks can be handled by _____.
- (7) Formal and informal are types of _____
- (8) Customer can give or submit requirements at any time in any phase is _____.
- (9) Another name of DFD is _____
- (10) "Verb Followed by Noun" is naming rule for _____ in DFD.
- (11) Data Dictionary generally used to _____
- (12) Direct File are mostly suitable for _____ type of processing.
- (13) Clean Decomposition of Module can be achieved by _____

- (14) Decision table is used to _____
- (15) How many steps are in the systems development life cycle (SDLC) ?
- (16) System Design is _____
- (17) First line management is _____
- (18) How many type of maintenance?
- (19) How many types of implementation?
- (20) Who guides in solutions for the system?

2 (a) Answer any **three** : **6**

- (1) Write a note for clean Decomposition in context of Module Designing.
- (2) Discuss class and objects with example and diagram.
- (3) What is increment in incremental model? Explain briefly.
- (4) Draw Decision Tree to find greatest among given three values.
- (5) Differentiate between a defect and an error.
- (6) Explain Master File and Transaction File.

(b) Answer any **three** : **9**

- (1) Discuss big bang integration testing.
- (2) Explain problem of accuracy in software? Explain with example.
- (3) Explain Effort in Estimation of Project.
(Hint : Project-per person month)
- (4) Explain all types of testing method under integration testing.
- (5) Explain Evaluation task in accordance of SDLC.
- (6) What are the types of Maintenance? Explain each.

- (c) Answer any **two** : **10**
- (1) Explain Technical and Management Risk.
 - (2) Explain RAD model.
 - (3) Write responsibility of system analyst.
 - (4) Explain function oriented metrics.
 - (5) What are generic risk and Product Specific Risk?
- 3** (a) Answer any **three** : **6**
- (1) Define System and give its characteristics.
 - (2) What is Quality Assurance? How it related with ISO?
 - (3) Briefly explain cost benefit Analysis.
 - (4) What are developer myths? Give reality of each.
 - (5) What is Questionnaire in fact finding?
 - (6) What is Office Automation System?
- (b) Answer any **three** : **9**
- (1) Why SRS document required in Software Development?
 - (2) Write attributes of System Analyst.
 - (3) What are the risks involved to outsource a project.
 - (4) What care we should take to Design a Form?
 - (5) Explain importance of Input Validation.
 - (6) Explain MIS.

(c) Answer any **two** :

10

- (1) Explain Implementation of a software in accordance of SDLC.
 - (2) Explain 4p.
 - (3) Write importance of documentation in Quality Management.
 - (4) Give types of software and Explain.
 - (5) Explain Linear Sequential model.
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