PAS-003-0072003   Seat No. _____

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

August - 2020

System Analysis And Design : Paper - 2030

Faculty Code : 003

Subject Code : 0072003

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

1   (A)   Answer the following :   4

         (1)   SDLC stands for _____.

         (2)   Information system is having some sub components which is known as _____.

         (3)   Give full form of MIS.

         (4)   Give full form of DSS.

     (B)   Answer Any **One** in brief :   2

         (1)   What is System?

         (2)   What are the sources of project request?

     (C)   Answer Any **One** in detail :   3

         (1)   What is system analysis and design?

         (2)   Explain role of System Analyst.

     (D)   Answer Any **One** :   5

         (1)   Explain SDLC.

         (2)   Explain Information System.

2 (A) Answer the following :   **4**

    (1) A _____ is a matrix of rows and columns that shows conditions and actions.

    (2) A _____ is a diagram that presents conditions and actions sequentially.

    (3) Give full form of DFD.

    (4) Interview can be structure or unstructured. True or False?

(B) Answer Any **One** in brief :   **2**

    (1) What is Observation technique?

    (2) What is Questionnaire technique?

(C) Answer Any **One** in detail :   **3**

    (1) Explain Decision tree.

    (2) Explain Interview fact finding technique.

(D) Answer Any **One** :   **5**

    (1) Explain Data flow diagram with suitable example.

    (2) Explain Decision table with example.

3 (A) Answer the following :   **4**

    (1) Data that are same for every record or entry is known as _____.

    (2) _____ codes are either number or letters assigned in series.

    (3) _____ are pictorial representations of entities described by the data.

    (4) In batch control all the similar transactions are cumulated. True or false?

(B) Answer Any **One** in brief : 2

    (1) What are the types of output?

    (2) Explain objective of input design.

(C) Answer Any **One** in detail : 3

    (1) Explain Designing printed output.

    (2) Explain methods of data capture.

(D) Answer Any **One** : 5

    (1) Explain types of presenting Information.

    (2) Explain input validation.

4 (A) Answer the following : 4

    (1) What is record?

    (2) What is entity?

    (3) Give full form of HIPO.

    (4) What is database?

(B) Answer Any **One** in brief : 2

    (1) What is HIPO chart?

    (2) Explain structured flow chart.

(C) Answer Any **One** in detail : 3

    (1) List and explain types of files.

    (2) Explain coupling, cohesion and span of control.

(D) Answer Any **One** : 5

    (1) Explain top-down structure of module.

    (2) Explain design of database.

5 (A) Answer the following : 4

(1) _____ testing performs the testing of integration of each module in the system.

(2) The main aim of software testing is to find an _____ .

(3) _____ is a procedure used to verify that a particular segment of source code is working properly.

(4) In _____ testing analyst specify a capacity for the system when it is designed and constructed.

(B) Answer Any **One** in brief : 2

(1) What is Unit testing?

(2) What is System testing?

(C) Answer Any **One** in detail : 3

(1) Explain verification and validations.

(2) Explain storage test and performance time test.

(D) Answer Any **One** : 5

(1) List and explain implementation method.

(2) What is training? Explain types of training methods.

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