[A 11]

SARDAR PATEL UNIVERSITY
Post Graduate Diploma in Computer Applications I Semester Examinations
PGDCA-105: SYSTEMS ANALYSIS AND DESIGN

Date: 09/04/2016   Time: 2:30 pm to 5:30 pm   Marks: 70

Q.1 Select an appropriate answer for each the following questions: [08]

1) Which of the following is not a component of a system?
a) Input
b) Output
c) Processes
d) None of these

2) _____is one of the reasons to develop new system.
a) To make profit
b) To improve quality
c) To change exiting procedures
d) None of these

3) _____is not the fact finding technique.
a) Interviewing
b) Questionnaires
c) Data input
d) Record inspection

4) _____ has branches and leaves to document decision making procedure.
a) Decision table
b) Interview
c) Structured English
d) None of these

5) _____ is an example of a tool.
a) Programming Languages
b) Screen generator
c) Report Generator
d) All of these

6) _____ is a type of system that produces reports.
a) MIS
b) TPS
c) DSS
d) None of these

7) CASE tool is a/an _____ tool.
a) Front end
b) Testing
c) Back End
d) None of these

8) _____ method also used to collect additional requirements from users.
a) SDLC
b) Prototype
c) Structured development
d) None of these

Q.2 Answer following questions in brief. [ANY SEVEN] [14]

    1) Define TPS.
    2) What is technical feasibility?
    3) Define logical boundary of a system by giving an example.
    4) Give full form and one line description of MIS and DSS.
    5) Explain close - ended questions in questionnaire.
    6) Define end users approach to develop a system.
    7) List three methods of estimating time and effort for a project.
    8) What are the typical outputs of an analysis phase?
    9) Define unit testing and integration testing.

Q.3 [A] Explain concept of system with suitable diagram. Discuss its components in brief. **[06]**

    [B] Explain requirement determination in detail. **[06]**

OR

    [B] Write a short note on duties of systems analyst. **[06]**

Q.4 [A] Define and describe CASE tools in details by giving its general diagram. **[06]**

    [B] Draw FDD, context level DFD and detailed DFD for a system for typical bank account management systems. **[06]**

OR

    [B] Explain various committees to monitor and control the system development process. **[06]**

Q.5 [A] Describe of prototype as a method for system development approach. **[06]**

    [B] Explain components of a data dictionary in detail by giving suitable examples. **[06]**

OR

    [B] Explain any one form of decision table with an example. **[06]**

Q.6 [A] Describe various training methods to train users of a system. **[06]**

    [B] Write a short note on input design. **[06]**

OR

    [B] Explain various types of conversion methods in brief. **[06]**

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