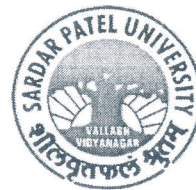


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 VALLABH VIDYANAGAR-388120



Bachelor of Computer Applications (Semester IV) Internal Examination - 2026
US04SEBCA07 : System Analysis and Design

Date: 12/03/2026

Time: 2:45pm TO 3:45pm

Day: Thursday

Total marks :20

Note: Figures to the right indicate marks of the question.

Q-1 Write the most appropriate answer from the following multiple-choice questions. [06]

- 1 Operational evaluation considers _____.
 (a) response time (b) feasibility study cost
 (c) site preparation (d) remodeling of computer room
- 2 Economic forecasting is an example of _____ system
 (a) Probabilistic (b) Deterministic
 (c) machine (d) closed
- 3 System analysis is the _____ of the problem.
 (a) examination (b) solution
 (c) information (d) preparing logical model
- 4 _____ is the process of getting data to the system in a machine sensible form for processing.
 (a) Data Collection (b) Data validation
 (c) Data verification (d) Data Test
- 5 The _____ is used within the user's organization.
 (a) External Output (b) Internal Output
 (c) Operation output (d) Interactive Output
- 6 _____ is not the fact finding technique.
 (a) Interviewing (b) Questionnaires
 (c) Record inspection (d) Data Input

Q-2 What is system? Explain the elements of system with example.

[07]

OR

Q-2 What is SDLC? Write any three steps followed by SDLC in detail.

[07]

Q-3 Define: Data Flow Diagram. Draw and discuss Symbols used in DFDs and explain thumb rules used to constructing DFDs.

[07]

OR

Q-3 Draw Context Level, 0 Level DFDs for Payroll System.

[07]





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Bachelor of Computer Application (Semester IV) Quiz - 2026
US04SEBCA07: System Analysis and Design

Date: 12/03/2026

Time: 10 minutes

Day: Thursday

Total marks :05

Q-1 Fill in the blanks with appropriate answer.

- (i) Return on investment (ROI) = _____.
- (ii) The example of conceptual system is _____.
- (iii) The third step of SDLC is _____.
- (iv) Program listing is the example of _____ output.
- (v) _____ is the techniques to collect information from an individuals or from groups.

