# CR-5625

## B. C. A. (Second Year) Examination, March-April 2019

### SYSTEMS ANALYSIS DESIGN & SOFTWARE ENGINEERING

Paper : Group-III (BCA-25)

Time Allowed : Three hours

Maximum Marks : 40

Note : Attempt questions of all **three** sections as directed. Distribution of marks is given with sections. http://www.a2zsubjects.com

### Section-'A'

### (Objective Type Questions)          5×1=5

Note : Attempt all the **five** questions. Each question carries 1 mark.

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1.  (i)  Which step of SDLC performs cost/benefit analysis?

    (a) Feasibility study

    (b) Analysis

    (c) None of these above

    (ii) What is the basic object of Data dictionary?

    (a) Domains

    (b) Documentation

    (c) Data models

    (d) Dynpro

    (iii) What are the testing levels?

    (a) Unit testing   http://www.a2zsubjects.com

    (b) Integration testing

    (c) System testing and Acceptance testing

    (d) All of above

    (iv) Which is most important feature of spiral model?

    (a) Quality management

    (b) Risk management

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(c) Performance management

(d) Efficiency management

(v) A software might allow a user to interact via :

(a) Keyboard commands

(b) Mouse movement

(c) Voice recognition commands

(d) All of the above

## Section-'B'

### (Short Answer Type Questions)  5×2=10

Note : *Attempt all the five questions. Each question carries 2 marks.*

2. What is the importance of feasibility study?

### Or

Explain man-made information system.

3. What is Pseudo Code?

### Or

Explain the data dictionaries with example.

4. Briefly explain the role of system analysis.

### Or

What do you mean by beta testing?

5. Explain the prototyping model.

### Or

What is Data Modifying?

6. What are different methods for information gethering?

### Or

Explain interface design.

## Section-'C'

(Long Answer Type Questions)     5×5=25

Note : Attempt all five questions. Each question carries 5 marks.

7. Explain SDLC with these various phase.

Or

Explain following with example :

(a) System planning

(b) Initial investigation

8. Explain input and output form design methodologies with example. http://www.a2zsubjects.com

Or

Describe software specification documents and attributes.

9. What is significance of software testing? Discuss in detail module level and system level testing method.

Or

Discuss the role of a system analyst in system analysis and design.

10. Explain the RAD model in detail with the help of a diagram. http://www.a2zsubjects.com

Or

Explain the analysis concepts and principle with example.

11. Explain following with example : (any two)

(a) The software design process

(b) Effective moduler design

(c) Design documentation

(d) Architectural design

(e) Human Computer Interface Design

(f) Procedural Design