National College of Computer Studies
(NCCS-College of IT & Management)
Final Examination (2023)

Full Marks: 50
Time: 2hr 40 min

| Set A |

BCA/Third Semester/ CACS 203: System Analysis and Design

Candidates are required to answer the questions in their own words as far as practicable.

Group 'B'

Attempt Any Six Questions: [6×5=30]

2. What are characteristics of system? Explain briefly about SDLC phases.

3. What is agile model? what are its advantage and disadvantage

4. Explain briefly about prototype model of software development.

5. How a user interactive form can be designed. Explain briefly?

6. What is software maintenance? What is its type?

7. What is database normalization? Explain briefly about different normal form.

8. Differentiate between white box testing and black box testing.

Group 'C'

Attempt any two questions. [2×10=20]

9. What is the purpose of information gathering tools? Discuss various methods of information gathering.

10. Construct an ER Diagram of Library Management System:

11. What are the benefits of documentation? Briefly explain the types system installation.

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Set B

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Group 'B'

Attempt any six questions. **[6×5=30]**

2. What is information system and what are its type?

3. Explain different phases of project Management.

4. Explain briefly about spiral model of software development.

5. Write about different factors for selecting information system projects?

6. Briefly explain about different level of testing?

7. What is feasibility study? Explain about its different types.

8. What are the types of software maintenance?

Group 'C'

Attempt any two questions. **[2×10=20]**

9. What is CASE tool and why it's used? Explain briefly about different types of case tools.

10. Explain briefly about contemporary method of requirement gathering?

11. Draw up to Context, Level-1 and Level-2 DFD of Student Record Management System.

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