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Roll No. ....

**48582**

**B.C.A. EXAMINATION, 2022**

(Fifth Semester)

(2021-22 Onwards)

**SOFTWARE PROJECT MANAGEMENT**

**BCA-19-54**

*Time : 3 Hours]*

*[Maximum Marks : 80*

**Section A**

**Note :** Attempt all questions.

1. (a) What is Data Analysis ? 1
- (b) What is predication system ? 1
- (c) What do you mean by measurement theory ? 1
- (d) What is effort estimation ? 1
- (e) Define detail schedule. 1

- (f) What is TQM in project management ? 1
- (g) What do you mean by defect logging ? 1
- (h) What do you mean by NAH syndrome ? 1
- (i) What is defect prevention ? 1
- (j) What is Process Audit ? 1
- (k) What is the need of status report ? 1
- (l) What is milestone analysis ? 1

### Section B

**Note :** Attempt all questions.

- 2. Explain different methods of collecting data. 3
- 3. What is cost estimation in project management ? 3
- 4. How can a project be reviewed for better project execution ? 3
- 5. What are the milestones of a project ? 3



### Section C

Note : Attempt all questions.

6. Explain the process of data collection in project management. 6

Or

What are the applications of software metrics ?

7. Explain Overall schedule in project management. 6

Or

What is the role of total quality management ?

8. How is quality management important for a software project ? 6

Or

Explain defect tracking process.

9. Explain different types of project closure. 6

Or

Explain different steps in the audit process.

Section D

Note : Attempt all questions.

10. Explain different software reliability models. 8

*Or*

How do you measure software development process ?

11. Explain calibration and validation of predication system. 8

*Or*

Explain different levels of software process maturity.

12. What do you mean by configuration management ? Also explain the benefits of configuration management. 8

*Or*

Define Risk Managment. How is it identified, analyzed and managed ?



13. Explain Defect Analysis and Prevention Methods.

8

*Or*

What is monitoring in software project management ? What are the steps in monitoring process ?