N21-06931

TED (15) - 5132
(Revision-2015)

Reg.No.....
Signature.....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/ COMMERCIAL PRACTICE - NOVEMBER-2021

PROJECT MANAGEMENT & SOFTWARE ENGINEERING

[Maximum marks: 75] (Time: 2.15 Hours)

PART – A

Marks

I. Answer any *three* questions in one or two sentences. Each question carries 2 marks

1. Define Software process.
2. Define structure chart.
3. Name the tasks in code review.
4. Define Test suite, Test harness
5. Define Risk. (3 x 2 = 6)

PART – B

II. Answer any ***four*** of the following questions. Each question carries 6 marks

1. Explain how the shortcomings of classical Water fall Model is rectified in Iterative model.
2. Explain the desirable characteristics of a SRS Document.
3. Explain DFD with an example
4. Explain the incrementally developing code process.
5. Explain the tasks in testing process.
6. Explain Project Scheduling.
7. Explain Risk assessment. (4 x 6= 24)

PART – C

Answer ***any of the three units*** from the following. Each full question carries 15 marks

UNIT –I

III. (a) Explain the phases in life cycle models. (10)

(b) Explain the Extreme programming Concept. (5)

OR

IV. (a) Explain the Prototyping Model. (8)

(b) Explain Software Process (7)

UNIT-II

V. (a) Explain tasks in Requirement process. (8)

(b) Explain Software Architecture Views. (7)

OR

VI. Explain the complexity matrix of function oriented design. (15)

UNIT-III

VII. Explain testing approaches. (15)

OR

VIII. (a) Explain the coding standards & Guidelines (8)

(b) Explain Code review techniques (7)

UNIT-IV

IX. (a) Explain the activities in Project Planning. (6)

(b) Explain the COCOMO Model. (9)

OR

X. Explain CMMI. (15)
