TED (15) 5132
(Revision - 2015)

A21 – 07762

Reg. No……
Signature …….

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/ COMMERCIAL PRACTICE, APRIL – 2021

PROJECT MANAGEMENT AND SOFTWARE ENGINEERING

[Maximum Marks: 75] [Time: 2.15 Hours]

PART-A

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

I. 1. Define software engineering.

2. State the use of Data flow diagram.

3. Define Software Testing.

4. List different processes in risk management.

5. Write two techniques used in black box testing. (3 x 2 = 6)

PART-B

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

II 1. Write short notes about feasibility study.

2. Write a brief description about the role of software architecture.

3. Present the concept of pair programming.

4. What is meant by CMMI? List its different levels.

5. Write the activities in maintenance phase.

6. Differentiate between coupling and cohesion.

7. Write different empirical estimation techniques. (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) Describe prototyping model with a neat diagram. (8)

(b) Explain the design phase. (7)

OR

IV (a) Describe about software process. (10)

(b) Write short notes about implementation phase. (5)

UNIT - II

V (a) Explain Function Oriented Design with an example. (9)

(b) Describe the desirable characteristics of an SRS. (6)

OR

VI (a) Describe about Software Requirement Analysis. (8)

(b) Describe how to plan for a Software Project. (7)

UNIT- III

VII (a) Describe White-box testing. (10)

(b) Write short notes about structured programming. (5)

OR

VIII (a) Explain about code inspection. (8)

(b) Explain about testing process. (7)

UNIT - IV

IX (a) Explain about software project management framework. (9)

(b) Write the activities of Software Quality Management. (6)

OR

X (a) Explain about resource management. (9)

(b) Describe change management. (6)
