TED (15) -5132
(Revision- 2015)

A22-08852

Reg.No…….....
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DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE –APRIL -2022.

PROJECT MANAGEMENT & SOFTWARE ENGINEERING

(Maximum Marks : 100) [Time : 3 hours]

PART–A

(Max. Marks:10) Marks

I. Answer **all** the questions in one or two sentences. Each question carries 2 marks.

1. Define software engineering.
2. Define SRS.
3. Define DFD.
4. Define unit testing.
5. Define risk.

(5x2=10)

PART - B

(Max. Marks: 30)

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

1. Explain the emergence of software engineering.
2. Compare the life cycle models.
3. Explain the characteristics of an SRS.
4. Explain LOC and FP.
5. Describe the software design concepts.
6. Explain the methods of code inspection.
7. Explain about configuration management.

(5x6 =30)

PART - C
(Max. Marks: 60)

(Answer **one full** question from each unit. Each full question carries 15 marks)

UNIT I

III a) Explain in detail the phases of software development. (8)

b) Describe classical waterfall model. (7)

OR

IV a) Describe Iterative waterfall model. (8)

b) Describe spiral model. (7)

UNIT- II

V a) Describe software requirements analysis and specification. (8)

b) Explain the structure of an SRS document. (7)

OR

VI Explain the different symbols used in DFD with the help of an example. (15)

UNIT- III

VII Explain programming principles and coding guidelines. (15)

OR

VIII Describe the methods of white box testing. (15)

UNIT – IV

IX Explain COCOMO in detail. (15)

OR

X Explain CMMI in detail. (15)

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