R17 Regulation ***Subject code:*** **1E7EG**

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech IV Year I Semester Regular Examinations, February 2021

Software Process and Project Management

(Computer Science and Engineering)

Maximum Marks: 70 Date: 04.03.2021Duration: 3 hours

Note: 1.This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks **(10x2M=20 Marks)**

1 What is the need for Analysis Phase?
2 What are the five basic parameters that is related to software economics?
3 State the term Metaprocess.
4 Define the term round trip engineering.
5 Define Transition Phase.
6 Define Inception.

7 What is a Minor milestone?
8 State the term work breakdown structure
9 Define Breakage.
10 State the term Quality Indicators.

Part-B

Answer All the following questions. **(10M X 5=50Marks)**

11 a) Explain briefly about the Waterfall Model. (5M)
b) Explain the necessary improvements required for the Waterfall Model.(5M)

OR

12 Discuss in brief about the Software Economics and the necessity for software cost estimation. (10M)

13 a)Discuss about the strategies to improve the software process.(5M)
b) Discuss about the strategies to improve the team effectiveness.(5M)

OR

14 Explain briefly about the principles of modern software management. (10M)

15 Explain briefly about the life cycle evolution of the artifact sets. (10M)

OR

16 Discuss briefly about the model based software architectures. (10M)

17 Explain about the following
(i) Major Milestones (5M)
(ii) Minor Milestones (5M)

OR

18 Explain about the following
(i) Cost and Schedule estimating process (5M)
(ii) Interaction, planning process (5M)

19 Explain about the seven core metrics related to
(i) Management Indicators(5M)
(ii) Quality Indicators(5M)

OR

20 Discuss briefly about the Next generation software economics cost models. (10M)