

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: BE
BRANCH: CSE**

**SEMESTER: VI
SESSION : SP/2020**

SUBJECT : CS7127 SOFTWARE PROJECT MANAGEMENT

TIME: 1.5 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 30.
 2. Candidates may attempt for all 30 marks.
 3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. The missing data, if any, may be assumed suitably.
-

- Q1 (a) Differentiate between process capability and process performance. What is meant by Software Subcontract Management? [2]
(b) Explain the various maturity levels of the Capability Maturity Model with the help of a suitable illustration. [3]
- Q2 (a) What kind of articles are posted in the BOK system? List the key topics according to which the articles are organized in it. [2]
(b) Describe the fundamental elements of the planning infrastructure. [3]
- Q3 (a) Justify the need for process tailoring. Differentiate between summary-level tailoring and detailed tailoring. [2]
(b) Summarize the steps involved in the change management process. Explain the role and contribution of impact analysis in the aforementioned process. [3]
- Q4 (a) Describe the Use Case Points Approach for effort estimation. [2]
(b) Justify how schedule is not a function solely of effort. Explain the manpower ramp-up that usually takes place in a project with the help of a suitable illustration. [3]
- Q5 (a) Defend the use of delivered defect density as an industry standard for defining quality of software. [2]
(b) Outline the steps taken for defect prevention activities at the project level. [3]
- Q6 (a) How is Risk Exposure defined? Which step follows after the risks have been prioritized? [2]
(b) Explain risk assessment and risk control as tasks which combine the activities for risk management. [3]

::::: 04/03/2020 ::::::M