

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

**CLASS: BE
BRANCH: CSE/EEE**

**SEMESTER : VII/ADD
SESSION : MO/19**

SUBJECT: CS7127 SOFTWARE PROJECT MANAGEMENT

TIME: 3:00 HOURS

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Explain the salient feature of software project. [2]
Q.1(b) Discuss the project management process. [4]
Q.1(c) What are steps that are considered for setting the quality goal if data from the PCB is referred. [6]
- Q.2(a) What do you mean by "Process Capability Baseline"? [2]
Explain (i) Checklist (ii) Templates.
Q.2(b) Explain the development process of software project. [4]
Q.2(c) Why convincing people to use reviews is one of the most difficult process deployment tasks? Discuss [6]
steps in Infosys experiment to overcome NAH syndrome.
- Q.3(a) What is tailoring? Discuss process tailoring. [2]
Q.3(b) What is CMM? How is it different from PCMM? [4]
Q.3(c) What do you mean by Software process? List the three main stages of project management process. [6]
- Q.4(a) Illustrate the concept of Effort Estimation. [2]
Q.4(b) Give differences between Top-Down and Bottom-up estimation approaches [4]
Q.4(c) List the various mechanisms and tools of SCM. Explain briefly the two main configuration control [6]
activities.
- Q.5(a) Elaborate the concept of Quality. [2]
Q.5(b) Explain the importance of Milestone Analysis. [4]
Q.5(c) Explain briefly (i) CE diagram, (ii) The role of closure Analysis. [6]
- Q.6(a) Explain Defect Prevention Planning. [2]
Q.6(b) Why are democratic teams often favored in Extreme Programming process? [4]
Q.6(c) Discuss briefly various team structures with neat diagrams. [6]
- Q.7(a) What is risk? Explain. [2]
Q.7(b) What is a DCS? Draw a Life cycle of a defect. [4]
Q.7(c) List two mitigation steps for each the following software risks. [6]
(i) Working on new technology
(ii) Shortage of technically trained manpower
(iii) Insufficient business knowledge.

:27/11/2019:E