

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

**CLASS: BE
BRANCH: CSE**

**SEMESTER : VI
SESSION : SP/19**

SUBJECT: CS7127 SOFTWARE PROJECT MANAGEMENT

TIME: 3.00 Hrs.

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) | Why do we need to manage software project? Explain. | [2] |
| Q.1(b) | Discuss the activity dimensions of software projects with examples. | [4] |
| Q.1(c) | What are different maturity levels in Capability Maturity Model? Elaborate. | [6] |
| Q.2(a) | What are Process Assets? Explain with examples. | [2] |
| Q.2(b) | What is tailoring? What are its different types? Explain all. | [4] |
| Q.2(c) | Elaborate the process for the development of "Process capability Baseline". | [6] |
| Q.3(a) | What is tracking in Software Project Management? Explain. | [2] |
| Q.3(b) | Why do requirements change? Discuss the process of Requirement Change Management. | [4] |
| Q.3(c) | What are different models for software development? Explain any of them with examples. | [6] |
| Q.4(a) | Explain the goal of Effort estimation. | [2] |
| Q.4(b) | What are different Effort Estimation Models? Elaborate any one. | [4] |
| Q.4(c) | What is Scheduling? Elaborate the activities in scheduling with examples. | [6] |
| Q.5(a) | What is the concept of Quality? Discuss the procedural approach to Quality management. | [2] |
| Q.5(b) | What is Risk? Explain the Risk management activities. | [4] |
| Q.5(c) | What is "Defect"? What are its different types? Explain the life cycle of a defect. | [6] |
| Q.6(a) | What is Project management Plan? Explain. | [2] |
| Q.6(b) | Elaborate the process of structuring a team for software project with examples. | [4] |
| Q.6(c) | Elaborate the responsibilities of Configuration Controller. | [6] |
| Q.7(a) | What is review? Explain the group review process. | [2] |
| Q.7(b) | What is project monitoring and control cycle? Explain with example. | [4] |
| Q.7(c) | Highlight the role of closure analysis in software project management. Explain the method to perform closure analysis. | [6] |

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