Code No: **R164105E**　　**R16**　　| Set No. 1 |

IV B.Tech I Semester Supplementary Examinations, July/Aug - 2021
SOFTWARE PROJECT MANAGEMENT
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours　　　　　　　　　　　　　　　　　　　　　　　**Max. Marks: 70**

Question paper consists of Part-A and Part-B
Answer ALL sub questions from Part-A
Answer any FOUR questions from Part-B
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PART–A *(14 Marks)*

1. a) What is a Project?　　　　　　　　　　　　　　　　　　　　　　　　[2]
   b) Explain about V-process model in detail.　　　　　　　　　　　　　　[3]
   c) What are problems with over- and under-estimates?　　　　　　　　　[2]
   d) Define risk identification.　　　　　　　　　　　　　　　　　　　　[2]
   e) Discuss about recourse allocation in Project Management.　　　　　　[3]
   f) Describe ISO 9016 quality standard.　　　　　　　　　　　　　　　[2]

PART–B *(4x14 = 56 Marks)*

2. a) What are the objectives of project planning? Explain steps of step wise project planning.　　[7]
   b) What are the challenges in software projects planning?　　　　　　　[7]

3. a) State and explain the reasons for the failure of conventional and iterative Processes.　　[7]
   b) Define Artifact. Write in detail about Management Artifacts.　　　　[7]

4. a) What is the necessity of estimation? Explain Use case based estimation.　　[7]
   b) Explain Software effort estimation techniques.　　　　　　　　　　[7]

5. a) Explain briefly nature of risk and risk assessment..　　　　　　　　[7]
   b) What is PERT? Describe PERT stages with suitable example.　　　　[7]

6. a) Discuss Cost monitoring with suitable example.　　　　　　　　　　[7]
   b) List and explain seven categories of resources.　　　　　　　　　　[7]

7. a) What is CMM? Explain the process of CMM with neat sketch.　　　　[7]
   b) Discuss in detail about enhancing software quality.　　　　　　　　[7]