

**MUMBAI UNIVERSITY**

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**B.Sc.IT: SEMESTER – VI**

**Question Paper**

**December – 2018**

**PROJECT MANAGEMENT**

**IDOL – REVISED COURSE**

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Q. NO

### Attempt Any Two Questions:

# #1

**(10 Marks)**

- a) List Boehm's top 10 principles of Conventional Software Management Performance.
- b) Write short note on Test Artifacts.
- c) Emphasize on the Work Breakdown Structure.
- d) Explain with diagram the concept of Round-trip Engineering.



Q. NO  
**#2**

**Attempt Any Three Questions:**  
**(15 Marks)**

- a) State 5 necessary improvements of Waterfall Model.
- b) List and explain the 3 Generation of Software Development.
- c) Explain the process of Cost Estimation.
- d) Write short note on Peer Inspection.
- e) State the 5 approaches for Improvement of Software Cost Model.
- f) Write brief note on Event Sequences necessary for Performance Assessment.



Q. NO

**#3**

**Attempt Any Three Questions:**

**(15 Marks)**

- a) List the principles of Modern Software System.
- b) Explain the process of Team Cohesion.
- c) Explain the 2 Stages of Life-Cycle with the help of diagram.
- d) What are the Artifacts? How Artifacts are organized into different set of the System?
- e) Write short note on Transition Phase.
- f) Emphasize on the cultural issues raised by the Pragmatic Artifacts.



Q. NO

**#4**

**Attempt Any Three Questions:**

**(15 Marks)**

- a) List top-level Workflow of the Software Process and explain them.
- b) Explain the Integration Workflow with detailed Labelled Diagram.
- c) Write short note on Minor Milestone.
- d) Discuss the Stakeholders of Major Milestones of the Project.
- e) Why Periodic Assessment is must for the Successful Development of the software?
- f) Explain Bottom-Up Approach of Cost and Schedule Estimation.



Q. NO  
**#5**

**Attempt Any Three Questions:**  
**(15 Marks)**

- a) Why Automation of Process is important in Software Development Project?
- b) Draw a neat diagram of roles in an Software Line-of-business Organization.
- c) Write short note on Project Organization.
- d) List the different set of activities evolved over the LifeCycle with the help of the diagram.
- e) List and explain different tools that Automate the Software Development Process.
- f) Write short note on Software Change Order.



**Q. NO**  
**#6**

**Attempt Any Three Questions:**  
**(15 Marks)**

- a) List various Indicators of Management Metrics and explain them.
- b) Why Process Control and Instrumentation is required in Software Development Process.
- c) Explain different features of Process Discriminants.
- d) Compare between Small-Scale and Large-Scale Projects.
- e) What are Process Discriminants? List the various Dimensions need to be considered while Tailoring a Process.
- f) State and explain the four Primary Indicators of Quality.



**Q. NO**  
**#7**

**Attempt Any Three Questions:**  
**(15 Marks)**

- a) Explain the Process of Denouement.
- b) State two major improvements in Next-Generation Software Cost Estimation.
- c) Draw a labelled diagram of Automation of Construction Process in Next-Generation Environment.
- d) What are issues involved in the Conventional System Development and how they can be resolved in the Modern Technique of Developing Software?
- e) Explain the effect of 80-20 rule over the development of the Project.
- f) Write short note on Culture Shift.



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**- BY KAMAL T**