Registration No : | | | | | | | | | | |

Total Number of Pages : 02 **B.Tech**

PCS7J005

7th Semester Regular / Back Examination 2019-20
SOFTWARE PROJECT MANAGEMENT
BRANCH : CSE
Max Marks : 100
Time : 3 Hours
Q.CODE : HRB109

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.
The figures in the right hand margin indicate marks.

Part- I

Q1 **Only Short Answer Type Questions (Answer All-10)** **(2 x 10)**

a) Define project. How is it different from process?
b) Mention any two criteria for selecting a proper process model.
c) Write any two objectives of RAD model.
d) Define configuration of a software product. Mention its importance.
e) Name the metrics used for software configuration management.
f) What is risk? Name the different categories of risk
g) Define in-stream activities.
h) What is line Lines of Codes? Mention its demerits (any two).
i) Mention any two importance of software quality.
j) Define the followin g :
Portability and functionality

Part- II

Q2 **Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve)** **(6 x 8)**

a) Explain production and maintenance phase. Compare and contrast alpha phase and beta phase.
b) What is prototyping? Explain the steps involved in prototype model. Mention its advantages and disadvantages.
c) Discuss and differentiate RAD and spiral model.
d) Describe the necessity of software configuration management. Discuss briefly configuration management activities.
e) Explain the tools used for Software quality assurance.
f) What is project initiation? Describe different activities of project initiation.
g) What do you mean by project planning? Discuss the essential steps to be carried out during project planning.
h) What are effective closure issues? Discuss the metrics for project closure.
i) Mention the different challenges for software requirement gathering. Discuss the techniques used for requirement gathering. Name the metrics for requirement phase.
j) Explain how function point metric can be used for software size estimation. Take an appropriate example to explain this.
k) Outline the importance of project management in software testing and maintenance phase. Discuss any three software testing techniques.
l) Discuss the effect of internet on project management.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

Q3	Outline the important steps of waterfall model with a suitable diagram. Mention its relative advantages and disadvantages with respect to other models. Mention the conditions where this model cannot work for software development.	**(16)**
Q4	Discuss the components and activities specific to project tracking.	**(16)**
Q5	Explain the essential activities involved in risk planning and management.	**(16)**
Q6	Describe the phases of estimation. Discuss metrics for estimation process of design and development phases.	**(16)**