

T.Y. B.Sc. (IT) : Sem. V  
**Software Project Management**  
Prelim Question Paper



Time : 2½ Hrs.]

[Marks : 75

- N.B. :** (1) All questions are compulsory.  
(2) Make suitable assumptions wherever necessary and state the assumptions made.  
(3) Answers to the same questions must be written together.  
(4) Numbers to the right indicate marks.  
(5) Draw neat labeled diagrams wherever necessary.  
(6) Use of Non-programmable calculators is allowed.

1. Attempt the following (any **THREE**) [15]  
(a) Explain the categories of software projects.  
(b) Explain the various Cost Benefit Evaluation Techniques.  
(c) Explain stepwise project planning in detail.  
(d) Write a short note on Benefits Management.  
(e) Write a short note on Programme management.  
(f) What do you understand by Business Case. Elaborate.
2. Attempt the following (any **THREE**) [15]  
(a) Explain XP with the help of a neat diagram.  
(b) Explain the Scrum Model in detail.  
(c) What are the problems with over and under estimates  
(d) Explain Capers Jones estimating rules of thumb.  
(e) Explain Mark II Function points.  
(f) Explain Cosmic Full Function Points.
3. Attempt the following (any **THREE**) [15]  
(a) Explain Boehm's Top 10 risks and its counter measures.  
(b) Explain PERT with an example.  
(c) Explain Monte Carlo simulation.  
(d) Write a short note on Risk Management.  
(e) Explain Forward pass with an example.  
(f) Draw a Gantt chart and explain it.
4. Attempt the following (any **THREE**) [15]  
(a) Write a short note on SCM.  
(b) Explain the different types of contracts.  
(c) Explain the expectancy theory of motivation.  
(d) Explain the Oldham-Hackman job characteristics model.  
(e) What do you understand by Organizational Behaviour.  
(f) Explain Earned Value Analysis.
5. Attempt the following (any **THREE**) [15]  
(a) Explain ISO 9126 in detail.  
(b) Write a short note on Six Sigma.  
(c) Write a short note on CMM.  
(d) What are the reasons for Project Closure.  
(e) Write a short note on Quality Plans.  
(f) Explain the different kinds of people needed in a team suggested by Belbin.

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**Paper Discussion Schedule for all Subjects**

<b>Date</b>	<b>Day</b>	<b>Timing</b>	<b>Centre</b>
12 Nov. 2018	Monday	9.00 a.m. to 11.00 a.m.	Nerul
12 Nov. 2018	Monday	12.00 p.m. to 2.00 p.m.	Thane
12 Nov. 2018	Monday	3.00 p.m. to 5.00 p.m.	Dombivli
13 Nov. 2018	Tuesday	9.00 a.m. to 11.00 a.m.	Ghatkopar
13 Nov. 2018	Tuesday	12.00 p.m. to 2.00 p.m.	Andheri
13 Nov. 2018	Tuesday	3.00 p.m. to 5.00 p.m.	Borivali
14 Nov. 2018	Wednesday	9.00 a.m. to 11.00 a.m.	Dadar