

2111000607030001
EXAMINATION NOVEMBER 2024
BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)
(MASTER OF SCIENCE (INFORMATION TECHNOLOGY) 5
YEAR INTEGRATED COURSE) (SEVENTH SEMESTER)
SOFTWARE ENGINEERING - LEVEL 3

[Time: As Per Schedule]

[Max. Marks: 70]

Instructions:

1. Fill up strictly the following details on your answer book

a. Name of the Examination : **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY) (MASTER OF SCIENCE (INFORMATION TECHNOLOGY) 5 YEAR INTEGRATED COURSE) (SEVENTH SEMESTER)**

b. Name of the Subject : **SOFTWARE ENGINEERING - LEVEL 3**

c. Subject Code No : **2111000607030001**

2. Sketch neat and labelled diagram wherever necessary.

3. Figures to the right indicate full marks of the question.

4. All questions are compulsory.

Seat No:

--	--	--	--	--	--

Student's Signature

Q.1 (A) Answer the following questions in brief [Any Six]

12

1. What is project tracking?
2. What are the types of matrices?
3. In a project, 100 errors occurred before delivery and 20 bugs found after delivery. Find DRE ratio.
4. What is baseline in SCM?
5. What is SQA?
6. Software is almost always delivered late. Justify
7. What is PERT chart?
8. What is pipe line software architecture.

(B) What is project scheduling? Explain few project scheduling techniques.

6

Q.2 Answer the following questions in detail [Any Three]

18

1. What is web engineering? What are the attributes of web application?
2. What is a design pattern? Explain creational design pattern.
3. What is an agile methodology? Explain any one agile model.

4. What is risk management in software engineering? How to create risk table? Explain RMMM plan.

Q.3 Answer the following questions [Any Six]

18

1. What is unpredictable risk?
2. What is the use of fishbone diagram?
3. A software project worth Rs. 24 Lac is scheduled for 1 year (12 months). At the end of the 9 Month, the project is 70% complete and the actual cost is Rs. 20 Lac. Find the SV, SPI and CPI
4. What is full experience type of component?
5. What is version control?
6. What is six sigma concept?
7. Explain WebE Process Framework.

Q.4 Answer any FOUR questions

16

- 1) What is FP oriented matrices? Explain CAV values and FP based cost estimation?
- 2) What is the relation between people and effort? Explain PNR curve.
- 3) Explain different testing techniques of web-based applications.
- 4) What is software configuration management? What is automated SCM repository?
- 5) Explain earned value analysis in brief.
