

No. of Printed Pages : 4

Sl. No.

## **B3.1-R5 : SOFTWARE PROJECT MANAGEMENT**

**DURATION : 03 Hours**

**MAXIMUM MARKS : 100**

**Roll No. :**

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**Answer Sheet No. :**

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**Name of Candidate :** \_\_\_\_\_ ; **Signature of Candidate :** \_\_\_\_\_

### **INSTRUCTIONS FOR CANDIDATES :**

- Carefully read the instructions given on Question Paper, Answer Sheet.
- Question Paper is in English language. Candidate has to answer in English Language only.
- Question paper contains Seven questions. The Question No. 1 is compulsory. Attempt any FOUR Questions from Question No. 2 to 7.
- Parts of the same question should be answered together and in the same sequence.
- Questions are to be answered in the ANSWER SHEET only, supplied with the Question Paper.
- Candidate cannot leave the examination hall/ room without signing on the attendance sheet and handing over his/her Answer Sheet to the Invigilator. Failing in doing so, will amount to disqualification of Candidate in this Module/Paper.
- After receiving the instruction to open the booklet and before answering the questions, the candidate should ensure that the Question Booklet is complete in all respects.

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**DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

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1. (a) What is product and service management in the context of basic management functions ?  
(b) What are project activities, and how do they contribute to project planning ?  
(c) What are the types of scheduling techniques used in project management ?  
(d) How do direct measures of software differ from indirect measures ?  
(e) How can organizations ensure effective defect tracking in software development ?  
(f) Why is project closure analysis important ?  
(g) How can leaders promote autonomy and self-organization within Agile teams ?  
(7x4)
2. (a) What are the key components of a project specification document ? Explain with example.  
(b) Explain in brief about the effort and cost Estimation techniques in project Development. Give some units for measuring the size of the software.  
(7+11)
3. (a) Discuss the importance of knowledge management in organizations and its impact on organizational performance.  
(b) What are the different software development methodologies, and how do they influence software quality ?  
(8+10)
4. (a) How do Gantt charts contribute to project scheduling, and what advantages do they offer over other scheduling techniques ?  
(b) What are the common categories of project risk, and how do they influence project outcomes? Explain with example.  
(7+11)
5. (a) How does ISO/IEC 25010 contribute to understanding the relationship between defects and metrics in software development ?  
(b) How does process monitoring contribute to achieving project objectives, and what strategies can be employed to effectively monitor and manage the software development process ?  
(9+9)
6. (a) Explain the importance of risk reporting in project management and how it supports proactive risk management. Provide examples of common risks reported in project risk reports.  
(b) What are the potential consequences of poor Change Management practices within an organization ? Explain.  
(10+8)
7. (a) Explain the key principles of effective team management and leadership ?  
(b) Why is project closure analysis considered a critical phase in the project management lifecycle ? How does it contribute to organizational learning and future project success ?  
(7+11)

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**SPACE FOR ROUGH WORK**

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