

Instructions:

- **Figures to the right indicate Full Marks.**
- **Do not write anything on the question paper.**
- **Attempt 5 Questions**

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|------------|---|---------------------|
| Q-1 | Define software engineering and explain its importance. | Marks
14 |
| Q-2 | What is the significance of a Data Flow Diagram (DFD)? | 14 |
| OR | | |
| Q-2 | Explain software prototyping in brief. | 14 |
| Q-3 | What is the role of ISO quality standards in software engineering? | 14 |
| Q-4 | Define black-box testing with an example. | 14 |
| Q-5 | What are the key differences between validation and system testing? | 14 |
| OR | | |
| Q-5 | Explain the importance of software maintenance. | 14 |
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