

13 OCT 2022

**B.C.A Semester – V Examination Oct/Nov/Dec -2022**  
**Software Engineering Paper No: BCA-CC-503**  
**Subject Code: 21548**

**Time: 02:30**

**Marks: 70**

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Q – 1 (A)	Explain Iterative Enhancement model and Prototype model for software development.	18
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**OR**

Q – 1 (A) (i)	What is Software Engineering? Explain Phase development process and Project management in detail.	09
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Q – 1 (A) (ii)	Describe problem analysis and requirement specifications in context of requirement process.	09
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Q – 2 (A)	What do you mean by quality assurance? Also describe the terms validation, verification, inspection and review in detail.	18
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**OR**

Q – 2 (A) (i)	Explain team structure in detail.	09
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Q – 2 (A) (ii)	Write a short note on coupling and cohesion.	09
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Q – 3 (A)	Explain any three testing method in detail.	17
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**OR**

Q – 3 (A) (i)	Gives detail note on error, fault and failure in detail.	09
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Q – 3 (A) (ii)	Describe different levels of testing in software development in detail.	08
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Q – 4 (A)	Explain class diagram, object diagram and activity diagram in detail.	17
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**OR**

Q – 4 (A) (i)	Draw and describe use case diagram and activity diagram of Railway ticket reservation system.	09
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Q – 4 (A) (ii)	Explain inheritance, generalization and dependency in detail.	08
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