



MS – 315

IV Semester B.A./B.Sc. Examination, May/June 2014
(Semester Scheme)
(F+R – 70 – 2012-13 and Onwards / R – 60 – Prior to 2012-2013)
COMPUTER SCIENCE – IV
Software Engineering and Visual Programming

Time : 3 Hours

Max. Marks : 60(R) / 70 (F)

Instructions : *Freshers – (2012-13 and onwards) attend Section A, B, C and D which carries 70 marks.*
Repeaters – 60 marks (Prior to 2012-13) attend Section A, B and C only.
Answer all the Section.

SECTION – A

Answer any ten questions. Each question carries one mark.

(10×1=10)

1. Define Software Engineering.
2. Mention any one advantage and disadvantage of spiral model.
3. What is coupling ?
4. What is DFD ?
5. Define quality assurance.
6. Define software maintenance.
7. Mention two features of visual basic.
8. How to set current date and time in VB ?
9. Define array with syntax.
10. What is MDI form ?
11. What is the use of ADODC control in VB ?
12. What is DAO ?

P.T.O.



SECTION – B

Answer **any five** questions. **Each** question carries **three** marks.

(5×3=15)

13. Mention the various software characteristics.
14. Write a short note on software cast factors.
15. Write short note on design-techniques.
16. Explain the coding techniques.
17. Write any three intrinsic controls in VB and mention their unique properties.
18. What is combo box ? List its properties and methods.
19. Explain procedures in visual basic.

SECTION – C

Answer **any five** questions. **Each** question carries **seven** marks.

(5×7=35)

20. Discuss waterfall model.
21. What is cohesion ? Discuss different types of cohesion.
22. What is SRS ? Explain its characteristics.
23. Explain software testing. Which aspects of software program are tested during unit testing.
24. Explain visual basic IDE with examples.
25. Write a note on input and message box with coding.
26. Write the steps to create connection with database MS-Access using ADO with an example.
27. Wap in VB to simulate simple calculator.

SECTION – D

(2012-13 and Onwards Students only)

Answer **any one** question (**Ten** marks **each**) :

(1×10=10)

28. a) Explain in detail about COCOMO model. 5
b) Write difference between software verification and software validation. 5
 29. Explain all looping statements in VB with simple example.
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