

Unit - I

2. (a) What is component based and Aspect Oriented Software Development? Describe their uses and advantages with suitable examples. 11

- (b) Explain Web Engineering process and its framework. 5

3. Explain the following briefly with suitable examples :

- (a) Web based system design and testing. 8, 8

- (b) Cleanroom software engineering and its advantages.

Unit - II

4. What is Agile? How it is useful and used? Explain its architecture, process, principles, values with suitable examples in detail. 16

5. Describe the following with examples. 6, 3, 3, 4

- (i) Agile risk management and agile testing techniques

- (ii) Backlog management

- (iii) Extreme Programming (XP) and its advantages.

- (iv) Scrum principles and its working

Unit - III

6. (a) Explain Atern principles with examples. 8, 8

- (b) Explain Agile metrics and their uses with examples.

7. Explain the following with suitable examples :

- (a) Agile control and its parameters 8, 8

- (b) Scaling Agile and its uses

- (c) Role of communication in Scrum Projects

- (d) Agile approach to configuration management

Unit - IV

8. What is DevOps? Explain its types, needs, process and advantages with examples in detail. 16

9. Explain the following briefly with examples : 8, 8

- (a) SDLC model of DevOps and its uses.

- (b) DevOps architecture and its advantages.

67191-N

MCA 4th Semester, 2 Year Course, (w.e.t. 2020-21)
Examination, May-2023

ADVANCED SOFTWARE ENGINEERING

Paper - 21MCA24C1

Time allowed : 3 hours]
[Maximum marks : 80

Note: Question no. 1 is compulsory. Attempt four more questions, selecting one question from each unit.

I. Answer the following questions briefly : 8×2=16

- (a) Define Client/Server Software Engineering.
- (b) Describe CBSE process.
- (c) What is Web based application?
- (d) What is daily scrum?
- (e) Explain agile risk management.
- (f) Describe Scrum master and his role with an example.
- (g) Describe advantages of Scrum of scrums.
- (h) Explain workflow of DevOps.

P.T.O.

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