Total No. of Questions : 8]

SEAT No. :

PA-2628

[Total No. of Pages : 2

[5925]-262
S.E. (Computer/AI&DS)
Software Engineering
(2019 Pattern) (Semester - IV) (210253)

Time : 2½ Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) ***Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8***
2) ***Neat diagrams must be drawn wherever necessary.***
3) ***Assume suitable data if necessary.***

Q1) a) Explain object oriented view of component level design with suitable example. **[6]**

b) Explain FP based estimation technique? **[6]**

c) What is project scheduling? What are the basic principles of project scheduling? **[6]**

OR

Q2) a) Explain COCOMO Model for project estimation with suitable example. **[9]**

b) How LOC and FP used during project Estimation? Explain both Estimation techniques with suitable example. **[9]**

Q3) a) Explain guidelines for component level design. **[6]**

b) Enlist the golden rules of User Interface Design. **[6]**

c) Explain layered system architecture with neat diagram. **[5]**

OR

Q4) a) Describe notations used for deployment diagram. Describe the importance of Deployment diagram. **[9]**

b) Explain the following architectural styles with merits/demerits : **[8]**

i) Data-centered Architecture

ii) Data-flow architecture

P.T.O.

Q5) a) What is Risk Identification? What are different categories of Risk? **[6]**

b) Define software Risk in detail. What are different types of Software Risk? **[6]**

c) What are the advantages of SCM Repository? Explain functions performed by SCM Repository. **[6]**

OR

Q6) a) What is Software Configuration Management (SCM) **[9]**

b) What is RMMM? Write short note on it? **[9]**

Q7) a) What are difference between white box testing and black box testing. **[6]**

b) Explain the software testing life cycle in detail. **[6]**

c) Explain bottom-up testing with its advantages. **[5]**

OR

Q8) a) What is system testing? Explain any three types system testing. **[9]**

b) Write note on Alpha and Beta Testing. **[8]**

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