

[R35103]

M.C.A DEGREE EXAMINATIONS

THIRD SEMESTER

Paper - III : OBJECT ORIENTED SOFTWARE ENGINEERING

(W.E.F 2020-21 Admitted Batch)

Time : 3 Hours

Maximum : 75 Marks

SECTION - A

Answer ALL the questions.

(4×15=60)

1. a) What is the nature of software? Explain its types.
b) What is s/w quality? Discuss how to answer the quality of s/w product.

(OR)

- c) What are the main parts of an SRS document? Explain different techniques for gathering and analysing the requirements.
2. a) Elaborate the basic principles followed for user Interface Design.
b) List out the usability principles.

(OR)

- c) Write a short notes on
 - i) Interaction Diagram
 - ii) Component Diagram
 - iii) Deployment Diagram.
3. a) Briefly discuss about MVC architectural patterns.

(OR)

- b) Elaborate the following
 - i) Delegation
 - ii) Adaptor
 - iii) Immutable

4. a) What are the main skills required in order to perform s/w project management?
b) Discuss about software cost estimation.

(OR)

- c) Briefly explain the s/w life cycle and any two models.

SECTION - B

Answer any FIVE questions.

(5×3=15)

5. a) Discuss how to conduct SQA activities.
b) Identify the short comings of function point metric.
c) What is modeling? List out different types of UML diagrams.
d) Differentiate b/n Association and Generalization.
e) What is Transaction Processing?
f) Listout design frameworks and patterns in object oriented systems.
g) Differentiate b/n tracking and monitoring.
h) What are steps of Rational Unified Process.
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