US-2205016

B.C.A. Semester-VI
Examination JUNE- 2022
Compulsory/Optional

Name/Title of Paper – Software Engineering
Time : Three Hours]

[Maximum Marks : 080
[Minimum Pass Marks : 28

नोट : प्रश्न–पत्र के तीन खण्ड है अ,ब एवं स। प्रत्येक को निर्देशानुसार हल कीजिए। सभी प्रश्नों के अंक निर्दिष्ट है।
Note There are 3 section in the question paper A,B & C. Solve all questions according to the instruction given in each section. Marks of each question is mentioned.

Q.1 Attempt any 10 questions. (10X20=20)

1. What is Feasibility study?
2. What is Legacy Software?
3. What do you mean by customer evaluation?
4. What is requirement analysis?
5. What is exciting requirement?
6. What do you mean by partitioning?
7. What do you mean by behavior model?
8. What is level O DFD?
9. What is data dictionary?
10. What do you mean by coupling?
11. Write any two characteristics of good testing?
12. What is white box testing?
13. What do you mean by product and process?
14. What is software quality?
15. What do you mean by verification?

Q.2 Attempt any five questions. (5X6=30)

1. What is software process model? Explain.
2. Explain requirement engineering tasks.
3. What is data modeling? Explain data object, attributes and relationships.
4. Explain cyclomatic complexity with example.
5. Explain quality management with suitable examples.
6. What is software testing? Explain different strategies of software testing.

Q.3 Attempt any two questions. (2X15=30)

1. What is spiral model? Explain the task regions of spiral model.
2. What is analysis model? Explain element of the analysis model.
3. What is functional independence and also explain the concept of cohesion.
4. What is design quality? Explain strategies issues for conventional and object oriented software.
5. What is validation? Explain software cost estimation with suitable examples.