EVN-281

Total Pages: 3   Roll No. ———

BCA (IV) Semester Examination- 2022-23

Paper-III (BCA-403)

Software Engineering

Time: 2.30 Hours   Max. Marks: 70

Note : Attempt any five question. All question carry equal marks.

1. Attempt any Seven Questions.   2×7

   (a) Difference between Alpha testing and Beta testing.

   (b) List out the limitation of waterfall model.

   (c) What do you mean object oriented approach ?

   (d) What is 4GT ?

   (e) Define Software Crisis.

   (f) What are the characteristics of software enginnering ?

   (g) Define Software Process.

   (h) What is Component Level Design.

   (i) What do you mean by information hiding ?

2. (a) Compare and contrast between coupling and cohesion with help of suitable example.   7

   (b) Explain spiral model with the help of suitable diagram and example.   7

3. (a) Illustrate role of matrices and measurement in detail.   7

   (b) Explain the management spectrum with the help of suitable example.

4. (a) Different between unit testing and integration testing.   7

   (b) Explain ISO 9000 certificaton for software industry.   7

5. (a) Explain cost estimation and its types in detail. 7

   (b) Consider a software project using semi-detached mode with 300 Kloc. Find out effort estimation development time, and person estimation.

   a = 3.0, b = 1.12, c = 2.5, d = 0.35

6. (a) Difference between top-down and bottom up programming. 7

    (b) Explain prototype model and its phases with the help of suitable diagram. 7

7. Write short notes on following any four : 14

    (i) Verification

    (ii) Validation

    (iii) Reliability Assessment

    (iv) Quality Assurance

    (v) SDLC

    (vi) Transaction Mapping

    ****