(20519) Roll No. ....

Total Questions : 13] [Printed Pages : 3

18018

B.C.A. IVth Semester Examination, May-2019

SOFTWARE ENGINEERING

(BCA-403)

Time : 3 Hrs.] **[M.M. : 75**

Note :– Attempt all the Sections as per instructions.

Section-A

(Very Short Answer Type Questions) 3×5=15

Note :– Attempt all the *five* questions. Each question carries 3 marks. Very short answer is required no exceeding 75 words.

1. Describe the three-phase of the generic view of Software Engineering.

2. What are the differences between waterfall and Prototype models ?

3. List various objectives of software Project Planning.

4. What is Soft Process ?

5. Briefly describe Forward Engineering.

Section-B

(Short Answer Type Questions) 7½×2=15

Note :– Attempt any *two* questions out of the following three questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.

6. Describe various Decomposition Techniques ? Explain COCOMO model with example.

7. What are the various factors associated with cost estimation of project ? Explain cost estimation technique in detail.

8. Differentiate between the top down and the bottom up approach in designing software.

Section-C

(Long Answer Type Questions) 3×15=45

Note :– Attempt any *three* questions out of the following *five* questions. Each question carries 15 marks. Answer is required in detail.

NA–571 (1) **Turn Over**

NA–571 (2)

9. What is Agile methodology ? Discuss the principle of Agile method.

10. Discuss cyclomatic complexity used to define the complexity of source code.

11. What is software design ? Explain it with the help of principles and concepts.

12. How is the cost of software estimated ? Discuss in detail.

13. What is the role of modularity ? Explain the role of coupling and cohesion in software design.