Roll No.....

Total No. of Sections : 03

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Code No. : C-396

Annual Examination - 2019

BCA Part - III

BCA - 304

SOFTWARE ENGINEERING

Max.Marks : 100

Time : 3 Hrs. Min.Marks : 40

Note : Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences : (2 × 10=20)

Q.1 What is Software?

Q.2 Write any two software engineering problems.

Q.3 What is matrics?

Q.4 What is SRS?

Q.5 Write full form of DFD.

Q.6 What is abstraction?

Q.7 Define is coupling?

Q.8 What is testing?

Q.9 What is meant by fault?

P.T.O.

Q.10 What is monitoring?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 : (6 5=30)

Q.1 Explain the principle of software engineering.

OR

Explain the quality of software product.

Q.2 Explain different phases of phase management process.

OR

Explain text-based measures.

Q.3 Explain data dictionary with help of example.

OR

What is context diagram? Mention its benefits.

Q.4 What is cohesion? Explain different types of cohesion.

OR

Explain structured chart.

Q.5 Write short note on Integration testing.

OR

Explain Unit testing.

Section - 'C'

Answer the following long-answer-type questions with word limit 300-350 : (10 5=50)

Q.1 Explain the different phases of spiral model.

OR

Explain prototyping model of software development. What are its advantages over the waterfall model?

Q.2 Explain function point with the help of example.

OR

Explain software matrics in details.

Q.3 Draw a DFD for student management system.

OR

Explain the various components of SRS.

Q.4 Write notes on Partitioning and Code verification.

OR

What is coding? Explain the rules of good programming style in detail.

Q.5 Differentiate between black box testing and white box testing.

OR

What is maintenance? Explain the importance of maintenance in software development.

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