

**BCA-08**  
June - Examination 2016  
**BCA Pt. II Examination**  
**Software Engineering**  
**Paper - BCA-08**

**Time : 3 Hours ]**

**[ Max. Marks :- 100**

---

**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

**Section - A**

**10 × 2 = 20**

(Very Short Answer Questions)

**Note:** Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

- 1) (i) What is model in software engineering?
- (ii) Define black box testing.
- (iii) Define Re-engineering.
- (iv) Define modularity
- (v) Define data dictionary.
- (vi) Give goals of system analysis.
- (vii) Define software development as project
- (viii) What is information gathering?

- (ix) Define work entity set.
- (x) What is CASE?

**Section - B****4 × 10 = 40**

(Short Answer Questions)

**Note:** Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Write the goals of DFD. Also give it's limitations.
- 3) Describe measures in software quality assurance.
- 4) Describe various tools of structured design.
- 5) Explain coupling and cohesion.
- 6) Explain walk through and inspection.
- 7) Compare unit testing and system integration testing.
- 8) Explain quality factor, size factor in software engineering with example.
- 9) Explain COCOMO model in detail.

**Section - C****2 × 20 = 40**

(Long Answer Questions)

**Note:** Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) Explain elements of testing phases. Also describe quality control improvement measures.
  - 11) Give difference between software verification and software validation.
  - 12) Explain different types of software matrices used in software engineering.
  - 13) How CASE tools are used? Explain it's advantages.
- \_\_\_\_\_