

**FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2014**

**(UG-CCSS)**

**Core Course**

**CA 5B 10—SOFTWARE ENGINEERING**

Time : Three Hours

Maximum : 30 **Weightage**

I. Answer *all* questions :

1 Which of the following is not a life cycle model ?

- (a) Waterfall model.
- (b) Spiral model.
- (c) Prototyping model.
- (d) Capability maturity model.

2 Which is not a type of requirement ?

- (a) Known requirement.
- (b) Unknown requirement.
- (c) undreamt requirement.
- (d) complex requirements.

3 **DFD** shows :

- (a) Flow of Data.
- (b) Flow of Control.
- (c) Both (a) and (b).
- (d) None of these.

4 Which one is not a risk management activity ?

- (a) Risk assessment.
- (b) Risk control.
- (c) Risk generation.
- (d) None of these.

5 When two modules refer to the same global data area, they are related as \_\_\_\_\_ coupled

6 In ER diagram the relationship between two entity types is called \_\_\_\_\_

7 The maintenance due to defects in the software is called \_\_\_\_\_

8 The expression  $V(G) = e - n + 2P$  gives \_\_\_\_\_

9 Which is the worst type of cohesion ?

10 Name the process of transferring a model into source code.

11 Acceptance testing is done by whom ?

12 ISO 9000 is a series of standards and has \_\_\_\_\_ related standards.

(12 x 1/4 = 3 **weightage**)

**Turn over**

II. Answer *all* short answer type questions :

- 13 State the difference between software and program.
- 14 What is an ER diagram ?
- 15 Write the objectives of requirements validation.
- 16 What is meant by module coupling ?
- 17 What is test driver ?
- 18 Write the purpose of integration testing.
- 19 Define the term risk in the context of software development.
- 20 What are the various application areas of software ?
- 21 Write any *two* cost estimation techniques.

(9 x = 9 weightage)

III. Answer any *five* short essay questions :

- 22 What are the characteristics of software ? Explain.
- 23 Discuss the purpose and procedure of feasibility study.
- 24 Briefly explain different requirements elicitation methods.
- 25 How decision tables are useful ? Explain with an example.
- 26 Explain **Blackbox** testing.
- 27 Explain software configuration management activities.
- 28 Describe the process of reverse engineering.

(5 x 2 = 10 weightage)

IV. Answer any *two* essay questions :

- 29 Explain any *two* evolutionary **development** models.
- 30 Explain Function oriented and Object oriented approaches for software design. Give a comparison of these two approaches.
- 31 Explain the IEEE standards to organize an SRS document.

(2 x 4 = 8 weightage)