

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted during the academic year 2008 – 09 & thereafter)**

**SUBJECT CODE : CS/MC/SE44**

**B. C. A. DEGREE EXAMINATION, APRIL 2012**  
**FOURTH SEMESTER**

**REG. NO. \_\_\_\_\_**

**COURSE : MAJOR CORE**  
**PAPER : SOFTWARE ENGINEERING**  
**TIME : 30 MINUTES**

**MAX. MARKS: 20**

**Section-A**

**TO BE ANSWERED ON THE QUESTION PAPER ITSELF**

**Choose the correct answer:**

**(10X1= 10 Marks)**

1. A collection of programs written to service other programs is called as
  - (a) System Software
  - (b) Application Software
  - (c) Engineering Software
  - (d) Embedded Software
  
2. PSP stands for
  - (a) Product Software Process
  - (b) Personal Software Process
  - (c) Professional Software Process
  - (d) Planning Software Process
  
3. \_\_\_\_\_ must plan, motivate, organize and control the practitioners who do Software work.
  - (a) End users
  - (b) Customers
  - (c) Practitioners
  - (d) Project Managers
  
4. In Kemerer Model,  $E =$  \_\_\_\_\_
  - (a)  $E = -91.4 + 0.355 FP$
  - (b)  $E = -37 + 0.96 FP$
  - (c)  $E = -12.88 + 0.405 FP$
  - (d)  $E = -12.88 + 0.355 FP$
  
5. CMS Stands for
  - (a) Control Management System
  - (b) Compact Management System
  - (c) Content Management System
  - (d) Conditional Management System

6. The Schedule Variance,  $SV =$  \_\_\_\_\_
- $SV = BCWP - ACWP$
  - $SV = ACWP - BCWP$
  - $SV = BCWS - BCWP$
  - $SV = BCWP - BCWS$
7. The \_\_\_\_\_ provides a framework for the information needs of a business function.
- Data Architecture
  - Application Architecture
  - Domain Architecture
  - Technology Architecture
8. ERP stands for
- Enterprise Resource Provider
  - Enterprise Resource Planning
  - Enterprise Resource Project
  - Enterprise Resource People
9. The design should be traceable by
- Analysis Model
  - Design Model
  - Code Model
  - Test Model
10. A software architecture is the development work product, that gives the highest return on investment with respect to
- Quality
  - Schedule
  - Cost
  - All of the above

**Fill in the blanks****(5X1=5 Marks)**

- A \_\_\_\_\_ flow executes the framework activities in a circular manner.
- Risk Projection is also called as \_\_\_\_\_.
- A \_\_\_\_\_ Network is also called an Activity Network.
- The goal of \_\_\_\_\_ is to translate the customer's desire into a working product.
- A \_\_\_\_\_ is a named collection of data that describes a data object.

**Say True or False:****(5X1=5 Marks)**

- Software doesn't "wear out".
- Building an excellent product or system that no one really wants is called strategic risk.
- Configuration Status Reporting is referred as Status Accounting.
- ERP Customization is problematic.
- Component level design should be functionally independent.

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**COURSE : MAJOR CORE**  
**PAPER : SOFTWARE ENGINEERING**  
**TIME : 2½ HOURS**

**MAX. MARKS: 80**

**Section-B**

**(8X5=40)**

**Answer any eight of the following:**

1. List the Agility Principles.
2. Explain the Software Myths with suitable examples.
3. Explain the W<sup>5</sup>HH Principles.
4. Discuss about Risk Identification.
5. Explain the basic principles of project scheduling.
6. Explain the different types of Software projects.
7. List the advantages and disadvantages of ERP.
8. Explain the Business Process Reengineering Hierarchy.
9. Explain the Data Modeling Concepts.
10. How to create a Behavioral Model? Explain.

**Section-C**

**Answer any four of the following:**

**(4X10=40)**

11. Explain the Waterfall Model and Incremental Process Model.
12. Discuss about the Empirical Estimation Models.
13. Explain the SCM Process.
14. Explain Problem Based Estimation and Process Based Estimation with examples.
15. Discuss about the Design Concepts.
16. Explain the Analysis Modeling Principles.

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