

THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
B.Sc. DEGREE PROGRAMME 2015/2016
CPU2140: SYSTEM ANALYSIS AND SOFTWARE ENGINEERING
NO BOOK TEST: 01



DURATION: ONE HOUR ONLY (1 HOUR)

Date: 01st October 2016

Time: 10.30 a.m. – 11.30 a.m.

Answer **ALL** Questions.

Write the most suitable answer/s on the question paper itself.

1. Software Engineering is;

.....
.....

2. Software consists of;

.....

3. Evolutionary development usually comes in two flavors: they are;

.....
.....

4. What are the two types of software products?

.....
.....

5. Attributes of good software are:

.....
.....

6. What is the most important emergent property of critical systems?

.....

7. List down the software process activities.

.....
.....

8. What are the professional and ethical responsibilities of a software engineer?

.....
.....

9. What are the three (03) system components where a critical system failure may occur?

.....

.....

10. Name the process stages of component-based software engineering.

.....

.....

11. The most important feature of spiral model is;

.....

12. The RUP is created by a division of _____.

.....

.....

13. The RUP is described from three perspectives: dynamic, static, and practice. What does static perspective do?

.....

.....

14. What is the goal of the requirement analysis and specification phase of the software development life cycle?

.....

.....

15. What are the desirable characteristics of Software Requirement Specification (SRS)?

.....

.....

16. SRS consists with;

.....

.....

17. Software project managers are responsible for;

.....

.....

18. What are the principle stages in requirement change management?

.....
.....

19. Which model in system modelling depicts the dynamic behavior of the system?

.....
.....

20. _____ allows us to conclude that different members of classes have some common characteristics.

.....

21. What are the advantages of the “data dictionary”?

.....
.....

22. DFD shows;

.....
.....

23. What is the term used for the action taken at the time of software design to avoid a system failure as a result of a fault in the delivered software?

.....

24. What are the techniques that, we can use to detect the root cause of a risk?

.....
.....

25. What are the three (03) organizational styles widely used for system organization?

.....
.....

ALL RIGHTS RESERVED