



DRR-3273

Third Year B. Sc. (Computer Science) Examination
March / April - 2016
601 - Software Engineering

Time : 2 Hours]

[Total Marks : 50

Instruction :

नीचे दशांशवले निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="THIRD YEAR B. Sc. (COMPUTER SCIENCE)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="601 - SOFTWARE ENGINEERING"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="3"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	
Student's Signature	

1 Answer the following in brief : 12

- (1) Discuss in brief about object oriented programming practice in context to software maintainability and productivity.
- (2) What do mean by terms : error, fault and failure ?
- (3) According to you, list reasons why software are delivered late.
- (4) Is debugging different from testing ? Justify.
- (5) Explain Unit Testing in brief.
- (6) Explain terms Verification and Validation with context to Quality Assurance.

2 (a) Discuss Event Driven programming practice in detail. 6
(b) Discuss White Box Testing in detail. Can it identify all types of errors ? Justify. 6

OR

- (b) Explain various types of system testings in detail. 6
- (c) What is importance of Inspection for Quality Assurance ? 2

- 3 (a) Discuss single variable model for effort estimation. 6
List it's limitations.
- (b) List and briefly explain different risk items. What is 8
risk assessment ? What is risk mitigation ? How can risk
be controlled ?

OR

- (b) Suppose you are appointed as a Project Manager for 8
some XYZ project. Explain activities that you are
supposed to carry out to manage the project.
- 4 Answer the following in detail : (any two) 10
- (a) Define terms : LOC and FP. Compare them based upon
advantages and limitations.
- (b) Discuss Acceptance Testing in detail.
- (c) Explain how Task network help in Scheduling the
software project.
- (d) Discuss various types of team structures with their
applicability to various types of project.
