

BACHELOR OF TECHNOLOGY (CBCS) (2014 COURSE)

Information Technology

B.Tech.Sem - VII :SUMMER : 2023

SUBJECT : SOFTWARE TESTING

Day : Friday

Time : 02:30 PM-05:30 PM

Date : 12-05-2023

S-13429-2023

Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

- Q.1 Define software testing? What is the purpose of doing testing of the system? (10)
How early testing benefits the project in terms of schedule and cost?
Differentiate between effective and exhaustive testing.
- OR**
- Q.1 Describe different stages of software development life cycle (SDLC) and (10)
software testing life cycle (STLC).
- Q.2 Discuss key components of test management. (10)
- OR**
- Q.2 What is requirement traceability matrix? Describe the role of traceability (10)
matrix in designing the test cases.
- Q.3 What is performance testing? Differentiate between stress and load testing. (10)
Name the popular performance testing tools.
- OR**
- Q.3 Describe ad hoc testing. What are the advantages and disadvantages of ad hoc (10)
testing?
- Q.4 Explain measurement and models? Also, describe scales of software (10)
measurements in detail.
- OR**
- Q.4 Define the term software measurement metric. Describe software quality (10)
metrics validation methodologies in software engineering.
- Q.5 Explain the identification of software testing for best and worst practices. (10)
- OR**
- Q.5 Describe in detail product metrics and release metrics for software. (10)
- Q.6 Define and describe test cases and test framework module in detail. (10)
- OR**
- Q.6 Differentiate between manual testing and automation testing. Also enlist the (10)
automation testing tools.

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BACHELOR OF TECHNOLOGY (CBCS) (2014 COURSE)
Information Technology
B.Tech.Sem - VII :SUMMER : 2023
SUBJECT : WEB SERVICES

Day : Monday

Time : 02:30 PM-05:30 PM

Date : 15-05-2023

S-13430-2023

Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if necessary.
 - 4) Non-programmable **CALCULATORS** is allowed.
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Q.1 Draw and Explain RMI Architecture in detail. (10)

OR

Q.1 What is CORBA? Draw and Explain CORBA Services in detail. (10)

Q.2 What is SOAP? What is the use of SOAP Fault? Explain in detail. (10)

OR

Q.2 Draw and Explain the Web Service Architecture of SOAP (10)

Q.3 What is WSDL? Discuss in detail the Limitations of WSDL. (10)

OR

Q.3 Discuss in detail the Web Services Life Cycle and WSDL Bindings. (10)

Q.4 Discuss the Role of Service Discovery in SQA and Service Discovery mechanisms. (10)

OR

Q.4 Describe publishing, searching and deleting UDDI registry. (10)

Q.5 How XML encryption is implemented? Explain it with simple XML Code. (10)

OR

Q.5 Describe Web Services Security in JAVA. (10)

Q.6 What are the Issues in implementing Web Services? Explain .NET based Web Service. (10)

OR

Q.6 Using the Web Services Technology of your choice, Create a Web Service which behave like a Text Editor. (10)

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