



**K.L.E. Society's
Raja Lakhamagouda Science Institute
(Autonomous)
BELAGAVI.**

SUBJECT

**BCA - VI Semester
May-2016**

QUESTION PAPER BOOKLET

Reg.No.

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KLE Society's

Raja Lakhamagouda Science Institute (Autonomous)

Belagavi.

Sixth Semester BCA Degree Examination April/May - 2016**F52: SOFTWARE PRACTICES AND TESTING**

Duration: 3 Hrs

Max Marks: 70

Instructions to candidates:

- 1) Give examples wherever required.
- 2) Write program if necessary.

I. Answer any FIVE questions of the following:**2X5=10**

1. What is the difference between quality assurance and quality control?
2. List the challenges in white box testing.
3. Why black box testing is needed?
4. What is beta testing?
5. List the tools for performance testing.
6. Write any two responsibilities of test engineers.
7. Define test automation.

II. Answer any SIX questions of the following:**5X6=30**

8. State the fundamental principles of Software Testing.
9. Explain waterfall model of software development with neat diagram.
10. What is Scenario testing? Explain use case Scenario with an example.
11. Differentiate between functional and non functional testing.
12. What is regression testing? Explain its types.
13. Give the comparison between testing and development function.
14. What are the skills needed for automation? Explain.
15. What are the responsibilities of senior test engineer?

III. Answer any THREE questions of the following:**10X3=30**

16. Explain the classification of white box testing?
17. What is black box testing? Explain any four techniques used in black box testing.
18. Explain the process for performance testing.
19. Explain the tools used for testing OO system.
20. Explain the concept of test planning.

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Sixth Semester BCA Degree Examination April/May - 2016

F54: BUSINESS INTELLIGENCE

Duration: 3 Hrs

Max Marks: 70

Instructions to candidates:

- 1) Draw diagrams wherever required.

I. Answer Any FIVE of the following**2X5=10**

1. Define B I.
2. Define OLTP Systems.
3. What is fact table and dimension table?
4. Define DSS.
5. Define Business Analytics.
6. Define Data Warehouse.
7. Define MOLAP.

II. Answer any SIX of the following**5X6=30**

8. With a neat diagram explain organization structure of a typical enterprise.
9. Describe major challenges with structure data.
10. Explain star and snowflake schema with diagram.
11. What is ER-Model? Give example.
12. Write note on BI for past present and future.
13. List and explain reporting prospective common to all levels of enterprise.
14. Explain physical data Model with proper example.
15. With neat diagram explain BI Architecture.

III. Answer any THREE of the following**10X3=30**

16. Differentiate between OLTP and OLAP.
17. With neat diagram explain BI frame work.
18. Explain in detail semi-structured data.
19. Explain the salient attributes of a good metric.
20. Explain report standardization and presentation practices with features of good reporting.



**Raja Lakhamagouda Science Institute (Autonomous),
Belagavi.**

Sixth Semester BCA Degree Examination April/May - 2016

F55: J2EE

Duration: 3 Hrs

Max Marks: 70

Instructions to candidates:

- 1) Give examples wherever required
- 2) Write program if necessary.

I. Answer any FIVE questions of the following:

2X5=10

1. Give the syntax of the constructor used for J Textfield.
2. Name any two JDBC exceptions.
3. Define the terms IP, TCP, UDP, DNS.
4. Define Socket.
5. Define servlet.
6. What kind of information is stored in cookie?
7. Define RMI. What is a policy file in RMI?

II. Answer any SIX questions of the following:

5X6=30

8. Write a note on instance methods of InetAddress class.
9. Give an overview of J2EE and J2SE.
10. Explain GenericServlet class with its constructors and methods.
11. Explain the different types of JSP tags.
12. Write a java program which returns "Hello" to the client. Use service() method.
13. Explain the steps involved in JDBC process.
14. Explain the various URL connection methods.
15. Give Difference between an entity java bean and session java bean.

III. Answer any THREE of the following:

10X3=30

16. Write a program which displays a list of subjects using a JCOMBOBOX.
17. Explain :
 - i) Resultset
 - ii) Savepoint
 - iii) Prepared statement
 - iv) Metadata
 - v) DriverManager.getConnection()
18. Explain TCP/IP server sockets (Constructors and methods).
19. Explain Sessiontracking with example in servlet.
20. a) Briefly explain the Message Driven Bean.
b) Discuss the RMI concept.