

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2015-16 and thereafter)
SUBJECT CODE: 15CS/MC/AJ54
B.C.A. DEGREE EXAMINATION – NOVEMBER 2018
FIFTH SEMESTER

COURSE : MAJOR CORE
PAPER : ADVANCED JAVA PROGRAMMING
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL THE FOLLOWING

(20 x 1 =20)

Choose the best answer:

1. _____ method is called after init().
a) show() b) launch() c) start() d) stop()
2. setScene() is method defined by _____.
a) Stage b) mystage c) scene d)myscene
3. _____ file is placed in the lib directory.
a) enu b) JAR c) jdbc d) sqldb
4. Creating a _____ object enables to send queries and commands to database.
a) Connection b) Resultset c) Statement d) driver
5. _____ header specifies the request methods the server supports.
a) Allow b) service c) open d) none of these
6. _____method is called to unload servlet.
a) doclose b) close c) stop d) destroy
7. _____ attribute is the only page attribute that appears multiple times in the same document.
a) Import b) Type c) encode d) both b and c
8. HTTP is a _____ protocol.
a) Session b) State full c) Stateless d) none
9. When declarative security is not sufficient _____ security is used.
a) web b) Digest c) certificate based d) programmatic
10. _____ is the mechanism by which callers prove that they are acting on behalf of specific users or system.
a) Authorization b) Authentication c) Both a and b d) none of these

Fill in the blanks:

11. _____ provides a method called addAll().
12. Title of the stage is set using _____.
13. To load a driver you specify the class name of the database driver in the _____ method.
14. _____creates precompiled queries for submission to the database.
15. The part after the question mark is called_____.
16. _____header specifies the number of bytes in the response.
17. In JSP _____directive defines custom markup tags.
18. _____ variable is used to send output to the client.
19. _____ is the even distribution of jobs across the networking resources.
20. JAAS means_____.

SECTION – B**Answer all the following questions:****(5 x 2 =10)**

21. Write about Application Thread.
22. How will you establish a connection?
23. Define Servlet.
24. Compare JSP and Servlet.
25. Define the key capabilities of a cluster.

SECTION – C**Answer any eight questions:****(8 x 5 = 40)**

26. Explain about javaFX Application Skeleton.
27. Explain how do you draw different shapes using canvas?
28. Explain about different types of JDBC drivers.
29. Briefly explain about callable statements.
30. Write a Servlet program to greet the user.
31. Briefly explain about HTTP Request and Response.
32. Explain JSP scripting elements with example.
33. Discuss on cookie.
34. Explain basic security concepts.
35. Write a note on message digests.

SECTION – D**Answer any three questions:****(3 x10 =30)**

36. Discuss on different javaFX controls with example.
37. Explain how to access databases with JDBC.
38. Write a brief note on life cycle of Servlet.
39. With example code explain how to create custom tags in JSP?
40. Explain different types of authentication.
