Program: Master of Computer Applications

Curriculum Scheme: MCA 2 YEAR COURSE

Examination: MCA FIRST YEAR SEMESTER-1 JANUARY 2022(ATKT)

Course Code: MCA12 and Course Name: Advanced Java

Time: 10:00 am to 12:00 noon Max. Marks: 80

Section I – MCQ (40 Marks) - 40 Minutes (10:00 am – 10:40 am)

Section II – Subjective (40 Marks) - 80 Minutes (10:40 am – 12:00 noon)

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**Section I**

**Note to the students: - All the Questions are compulsory and carry equal marks.**

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| Q1. | Which of the following class can be used to execute Sql queries in spring? |
| Option A: | JDBCHelper |
| Option B: | JdbcTemplate |
| Option C: | DBHelper |
| Option D: | DBTemplate |
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| Q2. | How do you turn on annotation wiring? |
| Option A: | Add <annotation-context:config /> to bean configuration. |
| Option B: | Add <annotation-config /> to bean configuration. |
| Option C: | Add <annotation-context-config /> to bean configuration. |
| Option D: | Add <context:annotation-config/> to bean configuration. |
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| Q3. | What is bean scope? |
| Option A: | Bean scope forces Spring to produce a new bean instance as per the scope defined. |
| Option B: | Bean scope defines the accessibility of bean in a java class. |
| Option C: | Bean scope defines the accessibility of bean in a java package. |
| Option D: | Bean scope defines the accessibility of bean in a web application. |
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| Q4. | Language used to set various kinds of join points |
| Option A: | AspectJ pointcut language |
| Option B: | Java pointcut language |
| Option C: | XML pointcut language |
| Option D: | None of the mentioned |
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| Q5. | What is/are the advantages of RESTful Web Services.? |
| Option A: | Language and Platform independent |
| Option B: | REST can use SOAP |
| Option C: | Permits different data format |
| Option D: | All of the above |
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| Q6. | Which of the following is not a valid HTTP methods used in RESTful web services? |
| Option A: | GET |
| Option B: | PUT |
| Option C: | TIME |
| Option D: | POST |
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| Q7. | Which of the following is part of Data Access layer in Spring framework? |
| Option A: | Beans |
| Option B: | Aspects |
| Option C: | JMS |
| Option D: | Context |
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| Q8. | What are the types of advice? |
| Option A: | then, after, after-returning, after-throwing, around |
| Option B: | When, after, after-returning, around |
| Option C: | Where, after, after-returning, after-throwing, around |
| Option D: | Before, after, after-returning, after-throwing, around |
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| Q9. | Which are the correct implementation classes of ApplicationContext? |
| Option A: | FileSystemXmlApplicationContext, ClassPathXmlApplicationContext, WebXmlApplicationContext |
| Option B: | FileSystemApplicationContext, ClassPathApplicationContext, WebApplicationContext |
| Option C: | AdvancedApplicationContext, FileApplicationContext |
| Option D: | FileSystemApplicationContext, ClassPathApplicationContext |
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| Q10. | Which class is used to map a database row to a java object in spring? |
| Option A: | ResultSet |
| Option B: | RowMapper |
| Option C: | RowSetMapper |
| Option D: | ResultSetMapper |
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| Q11. | Which is the way to provide configuration metadata to spring? |
| Option A: | XML Based configuration file. |
| Option B: | Annotation based configuration. |
| Option C: | Java based configuration. |
| Option D: | All of the above. |
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| Q12. | Which of the following is correct about dependency injection? |
| Option A: | It helps in decoupling application objects from each other. |
| Option B: | It helps in deciding the dependencies of objects. |
| Option C: | It stores objects states in database. |
| Option D: | It stores object states in file system. |
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| Q13. | Which option is true about session scope? |
| Option A: | Objects are accessible only from the page in which they are created |
| Option B: | Objects are accessible only from the pages which are in same session |
| Option C: | Objects are accessible only from the pages which are processing the same request |
| Option D: | Objects are accessible only from the pages which reside in same application |
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| Q14. | Which one is the correct order of phases in JSP life cycle? |
| Option A: | Initialization, Cleanup, Compilation, Execution |
| Option B: | Initialization, Compilation, Cleanup, Execution |
| Option C: | Compilation, Initialization, Execution, Cleanup |
| Option D: | Cleanup, Compilation, Initialization, Execution |
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| Q15. | Which of the following is correct for directive in JSP? |
| Option A: | ##<%@directive%> |
| Option B: | <%#directive%> |
| Option C: | <%@directive%> |
| Option D: | None of the above |
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| Q16. | What is use of wildcards? |
| Option A: | It is used in cases when type being operated upon is not known |
| Option B: | It is used to make code more readable |
| Option C: | It is used to access members of super class |
| Option D: | It is used for type argument of generic method |
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| Q17. | Which of the following reference types cannot be generic? |
| Option A: | Anonymous inner class |
| Option B: | Interface |
| Option C: | Inner class |
| Option D: | All of the mentioned |
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| Q18. | Application is instance of which class? |
| Option A: | javax.servlet.Application |
| Option B: | javax.servlet.HttpContext |
| Option C: | javax.servlet.Context |
| Option D: | javax.servlet.ServletContext |
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| Q19. | Which of these packages contain all the collection classes? |
| Option A: | java.lang |
| Option B: | java.util |
| Option C: | java.net |
| Option D: | java.awt |
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| Q20. | Which of these object stores association between keys and values? |
| Option A: | Hash table |
| Option B: | Map |
| Option C: | Array |
| Option D: | String |
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