

2C8121

Roll No. 22CPGXX713

Total No. of Pages: 2

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MCA II - Sem. (Main / Back) Exam., - 2023

MCA - 201 Java Technologies

Time: 3 Hours

Maximum Marks: 70

Instructions to Candidates:

Attempt all ten questions from Part A. All five questions from Part B and three questions out of five questions from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used /calculated must be stated clearly.

Use of following supporting material is permitted during examination.  
(Mentioned in form No. 205)

1. NIL

2. NIL

**PART - A**

[10×2=20]

**(Answer should be given up to 25 words only)**

**All questions are compulsory**

Q.1 What is J2EE?

Q.2 What is JDBC?

Q.3 Define Servlet.

Q.4 What is MVC?

Q.5 What is EJB?

Q.6 Define Spring.

Q.7 What is DAO?

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- Q.8 What is Cookies?  
Q.9 What is RMI?  
Q.10 What is Package?

### PART - B

(Analytical/Problem solving questions)

[5×4=20]

Attempt all five questions

- Q.1 What is Error Handling in Java?  
Q.2 Define Inter Servlet Communication.  
Q.3 Describe JSP life cycle.  
Q.4 Explain J2EE Architecture.  
Q.5 Describe threads in Java.

### PART - C

[3×10=30]

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any three questions

- Q.1 Explain Spring framework. Also, write it's advantages.  
Q.2 Explain JSP implicit objects and directives.  
Q.3 Describe JDBC connectivity model.  
Q.4 Write note on followings -  
(1) Servlet initialization  
(2) Overriding in Java  
(3) Servlet chaining  
Q.5 Describe Aspect oriented programming.