MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA III Year I Semester (R18) Supplementary End Semester Examinations – October 2021

(Regulations: R18)

ADVANCED JAVA PROGRAMMING

Time: 3Hrs   Max Marks: 60

> Attempt all the questions. All parts of the question must be answered in one place only.
> **In Q.no 1 to 5 answer either Part-A or B only**

Q.1(A)	What is JDBC? List and explain the types of JDBC Drivers to connect to the Database servers.	12M
	OR	
Q.1(B)	Write a JDBC program to insert the Student record into the MYSQL Database Server.	12M
Q.2(A)	List and Explain HTTP request methods and Response codes.	12M
	OR	
Q.2(B)	What is Cookie? Write a program to handle Cookies in Servlet Programming.	12M
Q.3(A)	What is JSP? Explain the lifecycle methods of JSP with an example.	12M
	OR	
Q.3(B)	Explain the use of Java Bean classes in JSP with an example.	12M
Q.4(A)	i. Differentiate between scriptlets and declaration in a JSP program. ii. Write a JSP program which uses <jsp:forward > and <jsp:include> tags	12M
	OR	
Q.4(B)	What is meant by JSTL? Mention its types with examples.	12M
Q.5(A)	Define Spring. Explain various steps to create Spring application with an example	12M
	OR	
Q.5(B)	What is Spring Bean and explain its life cycle methods with example program	12M

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