

SEMESTER EXAMINATION-2021
MCA V SEMESTER
MCA-C501: INTERNET TECHNOLOGIES

Time: 3 hours

Max. Marks: 70

Min. Pass: 40%

Note: Question Paper is divided into two sections: **A and B**. Attempt both the sections as per given instructions.

SECTION-A (SHORT ANSWER TYPE QUESTIONS)

Instructions: Answer any five questions in about 150 words each. Each question carries six marks. (5 X 6 = 30 Marks)

- Question-1: What do you understand by CGI? Explain its architecture.
- Question-2: Write a short note on HTTP request and response.
- Question-3: Discuss about the use of PERL for CGI scripting.
- Question-4: What do you understand by subroutines? Explain it using example.
- Question-5: Compare Servlets with CGI.
- Question-6: Differentiate get and post methods.
- Question-7: Explain error handling in JSP using example.
- Question-8: Explain session tracking in servlets.
- Question-9: Discuss the significance and use of functions in PHP.
- Question-10: What do you understand by PERL? Explain its crucial features.

SECTION-B (LONG ANSWER TYPE QUESTIONS)

Instructions: Answer any FOUR questions in detail. Each question carries 10 marks. (4 X 10 = 40 Marks)

- Question-11: What do you understand by Apache Tomcat Server? How it came into picture? Explain its directory structure using example.
- Question-12: What do you understand by Servlets? Explain the life cycle of Servlets.
- Question-13: What do you mean by JSP? Explain important implicit objects of JSP.
- Question-14: Give the meaning of JDBC in brief. Write a program using JSP and JDBC to insert records into database.
- Question-15: What do you understand by PHP and its role in web-based applications? Moreover, explain various PHP capabilities.
- Question-16: How many action tags are there in JSP? Explain any two action tags using appropriate syntax and examples.
- Question-17: Explain flow control and loops in PHP.
- Question-18: Discuss classes and constructors in PHP using examples.

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