The Assam Royal Global University, Guwahati
Royal School of Information Technology (RSIT)
MCA 3rd Semester
Semester End Examination, January 2023
Course Title : Web Technologies
Course Code : CAP054C302

Time: 3 Hours   **Maximum Marks: 70**

Note: Attempt all questions as per instructions given.
The figures in the right-hand margin indicate marks.

Section – A

1. Attempt **all questions.** (Maximum word limit 50)   **2 x 8**

a. What is Session tracking?
b. Define Web Browser with example.
c. What is the difference between GET and POST methods in JavaScript?
d. Define Event. How events are handled in JavaScript?
e. What is a 'XML Parser'?
f. What is firewall and its types?
g. How to deal with syntax errors in JSP page?
h. Mention some uses of servlet.

Section – B

2. Attempt **any two** of the following: **6 x 2**

a. Write all the types of Internet Protocols and describe any two.
b. What is an IP addressing and IP packet? Write various types of IP Address?
c. Discuss the working methodology of a search engine.

3. Attempt **any two** of the following: **7 x 2**

a. Describe about form validation concept in JavaScript. Explain with an example program.
b. Mention the advantages and limitations of using CSS on Webpage.
c. Write a JavaScript to validate a form consisting of a hall ticket number as username and mobile number as password. Also navigate to another webpage after validation.

4. Attempt **any two** of the following: **7 x 2**

a. What are the disadvantages of Ajax (minimum seven)?
b. Discuss about how firewall works with examples.
c. Explain about XML core tags and flow control tags.

5. Attempt **any two** of the following: **7 x 2**

a. Briefly discuss about multithreading in JAVA.
b. With the help of neat diagram, explain the servlet architecture.
c. Give a brief note on Anatomy of a JSP Page.

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