



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 5th Semester Examination, 2020, held in 2021

CMSACOR11T-COMPUTER SCIENCE (CC11)

INTERNET TECHNOLOGY

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

GROUP-A

1. Answer any **four** questions from the following: 2×4 = 8
- (a) What is the difference between array and ArrayList in Java?
 - (b) What is the use of EventListeners class in Java?
 - (c) What are the advantages and disadvantages of JDBC-ODBC Bridge Driver?
 - (d) What is the use of jsp:useBean tag?
 - (e) What are the advantages of servlet?
 - (f) How submit button and reset button are used in JavaScript?
 - (g) What is MVC?

GROUP-B

Answer any four questions from the following

8×4 = 32

2. (a) Discuss various components of JDBC. 3+5
- (b) Explain the steps of inserting records in database using JDBC.
3. (a) What do you mean by client side JavaScript? 2+6
- (b) Write JavaScript to validate the following fields of the Registration page.
- (i) First Name (name should contains alphabets only).
 - (ii) Password (Password should not be less than eight characters length and should contain one lowercase alphabet, one uppercase alphabet, and a special digit).
 - (iii) Mobile Number (The number should contain 10 digits only)

4. (a) What is Event? 2+3+3
(b) Mention different types of events with examples.
(c) Write down the different services provided by the web container.
5. (a) Describe MVC architecture. 3+5
(e) Difference between the use of radio button and check box with suitable examples.
6. (a) Explain the advantages of client-side validation over server-side validation. 3+5
(b) Write a JavaScript code to validate an E-Mail id having format 'xxxxx@xxxxxx.xxx'.
('x' represents alphanumeric values)
7. (a) Explain various scripting elements used in JSP with examples. 6+2
(b) What are the main characteristics of JavaBean from other java classes?

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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