Instructions to Candidates

1) **Answer all questions.**

2) Time allocated for the examination is three (03) hours and 30 minutes (Including downloading and uploading time)

3) Weightage of Examination: 60% out of final grade

4) Download the paper, provide answers to the selected questions in a word document.

5) Please upload the document with answers (Answer Script) to the submission link before the submission link expires

6) Answer script should be uploaded in PDF Format

7) Under any circumstances E-mail submissions would not be taken into consideration for marking. Incomplete attempt would be counted as a MISSED ATTEMPT.

8) The Naming convention of the answer script – Module Code_Subject name_Index No

9) You must adhere to the online examination guidelines when submitting the answer script to N-Learn.

10) Your answers will be subjected to Turnitin similarity check, hence, direct copying and pasting from internet sources, friend's answers etc. will be penalized.

Question 1 (Total – 20 marks)

    I.   Briefly describe the servlet life cycle using a suitable diagram.   (5 marks)

    II.   Explain the MVC architecture in related with JEE.   (05 marks)

    III.   Briefly explain the following request/response headers.   (10 marks)

    a) Accept

    b) Connection

    c) Host

    d) SetContentType

Question 2 (Total – 30 marks)

    I.   Write a program to create a cookie to store your city name which lives only 1 hour.

    (5 marks)

    II.   Write a program to display the value of the above cookie .   (10 marks)

    III.   The following form is created using HTML (You don't have to write HTML to create it). Write a program to store these values in a database   (15 marks)

Question 3 (Total – 30 marks)

    I.   Write program to create a guest registration for a hotel room reservation which,

    a) collects First Name, Last Name, Email, Contact Number, date of reservation, Username, Password data.   (10 marks)

    b) inserts the registration form data to guest table of reservation database.   (10 marks)

    c) BookingSuccess.jsp should display that the registration is successful & BookingError.jsp should display an error message.   (10 marks)

Question 4 (Total – 20 marks)

    I.   Write program to create a user login which,

    a) uses cookies   (10 marks)

    b) Validate the username and password.   (10 marks)

    c) if they match redirects to Welcome.jsp & display a welcome message.   (10 marks)

    d) if not redirects to the InvalidLogin.jsp which contains an appropriate message and use include directive to display the login page inside InvalidLogin.jsp   (10 marks)

END OF THE PAPER