

## MOCK TEST

### HTML and JavaScript & Bootstrap

1. Design the following web page using HTML 5 and CSS 3.

|  |   |
|--|---|
| Enter Student number                           | <input type="text"/>                        |
| Enter Student name                             | <input type="text"/>                        |
| Enter Student college                          | <input type="text" value="choose collage"/> |
| Enter Student dept                             | <input type="text" value="choose dept"/>    |
| Enter Internal Score                           | <input type="text"/>                        |
| Enter External Score                           | <input type="text"/>                        |
| <input type="button" value="Calculate score"/> |   |

2.
  1. All fields are mandatory
  2. Student Number of the trainee should be a 6 digit number
  3. Name of the student should accept maximum 30 letters
  4. Valid values for collage should be
    - i. IIT- B
    - ii. IIT- M
  5. The values in the dept name drop down are dependent on domain name  
Valid module names for IIT-B
    - i. CSE
    - ii. IT
    - iii. Mech  
Valid module names for IIT-M
    - iv. ECE
    - v. EEE
    - vi. E&I
  6. Internal, External scores marks should be a non negative number.
  7. Write appropriate javascript function which calculates (internal 30% + external 70%) and displays the score in an alert box once the data is submitted.

|   |
|---|
| <b>HTML5 and CSS3 functionality</b>             |
| Displaying the form correctly                   |
| Validating the form using HTML 5 attributes     |
| CSS Usage                                       |
| <b>Javascript functionality</b>                 |
| Dynamic generation of module names in drop down |
| Calculation and display of score                |
| <b>BootStrap</b>                                |
| Apply Bootstrap                                 |

### ES6

- \* Create a class **"Student"** with properties sId, sName, sYear, sDept.
  - \* Create student objects & put data in following sequence.  
1002,Vikash, 2,ECE  
1003,Amresh, 1,Mech  
1001,Uma,3,CSE  
1000,Vaishali,4,E&I
- 
- a. Add all student objects in Set, in above mentioned student object order.
  - b. Print the data in ascending order of sId on console
  - c. Delete the student Object based on sId, if student sd is not mentioned then give the proper error message.
  - d. Create a class "Login" with method "getLogin()" & "getLogout()", make this class as parent class for "Student". Override method "getLogin()" & "getLogout()" & call by using Student Object.  
Do inheritance by using  
    \_\_proto\_\_  
    **Object.create()**