

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

(End Semester Examination)

CLASS : M.Tech

SEMESTER :II

BRANCH : IT

SESSION: SP/2022

SUBJECT: IT512 Advanced Web Technology

TIME : 2:00 PM - 4:00 PM

FULL MARKS: 50

Date : 29th April 2022

INSTRUCTIONS :

1. The question paper contains 5 questions each of 10 marks and All questions are compulsory
2. The missing data, if any, may be assumed suitably.
3. Before attempting the question paper, be sure that you have got the correct question paper.

Q1(a)	Explain briefly about Models, Views and controllers.	(5 Marks)
Q1(b)	How do you create a web site using ASP.NET MVC and Entity Framework? How do you view the web site?	(5 Marks)
Q2(a)	Explain briefly about many to many relationships with the Entity Framework.	(5 Marks)
Q2(b)	You have given the following Category class public class Category { public int ID { get; set; } public string Name { get; set; } public virtual ICollection<Product> Products { get; set; } } Add the following validation and formatting to the class 1) The name field cannot be blank 2) The name field only accepts letters 3) The name must be between three and fifty characters in length	(5 Marks)
Q3(a)	Explain briefly about adding a role manager	(5 Marks)
Q3(b)	Explain briefly about Authentication and Authorization with the help of example.	(5 Marks)
Q4(a)	Give example of the following a) Styling the footer b) Styling the heading	(5 Marks)
Q4(b)	How do you style a hyperlink to look like a button? Give example.	(5 Marks)
Q5(a)	Explain briefly about media queries with the help of example.	(5 Marks)
Q5(b)	How do you hide and show nav-collapse element whenever you hover over it? Give example	(5 Marks)