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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

III SEMESTER, MCA

END SEMESTER EXAMINATIONS, NOVEMBER 2018

SUBJECT: ASP.NET [MCA 5101]

REVISED CREDIT SYSTEM

(20/11/2018)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL FIVE FULL** questions.
- ❖ Assume the missing details and mention it.

1A.	Describe the stages of ASP.NET page life cycle.	5
1B.	How to build a three-tiered ASP.NET application? Illustrate with an example.	3
1C.	Interpret your understanding of partial in ASP.NET applications.	2
2A.	Write an ASP.NET page, for a user to register their name, sex, D.O.B, email-id, password, confirm password, phone number, address, nationality and profile picture. Apply following validation using validation controls. a) Name should be in uppercase. b) Password should have atleast one alphanumeric character. c) Use calendar control to fetch D.O.B. d) Compare the values of password and confirm password. The input stream buffer size should not exceed 5 MB	5
2B.	Relate the need of maintaining data concurrency and data consistency in an enterprise web application, with ADO.NET example.	3

2C.	List out the difference between label and literal control	2
3A.	Describe ASP.NET authentication and authorization mechanism with necessary configuration settings.	5
3B.	Write an ASP.NET application to depict the usage of SqlCommandBuilder in ADO.NET disconnected model.	3
3C.	Discuss the significance of impression and keyword property of AdRotator control.	2
4A.	Describe exception handling in ASP.NET. Also, illustrate the importance of exception logging in software engineering life cycle.	5
4B.	Write a stored procedure to retrieve pages of database records to implement data source paging.	3
4C.	Differentiate between Server Transfer method and Response Redirect method.	2
5A.	Write an ASP.NET application, where you can view your friend's photos and comment on it.	5
5B.	Consider a scenario, where an online user attempts to login to his Facebook account wherein the cookies for that browser were disabled. On his login attempt he gets a message stating "Please enable cookies in your browser preferences to continue" . Analyze the situation and explain the need of browser cookies.	3
5C.	What are multivalued cookies? Give an example.	2