

EXAMINATION QUESTION PAPER

PG-DAC 0921

EXAM Type: Main / Re-Exam Module Name: MS.Net SET: --

DATE: 06 – 02 – 2022 **Duration:** 2.5 Hours **Max. Marks:** 40

Instructions:

- a. Total questions are two.
- b. Each Question is 20 marks.
- c. Visual Studio 2017 or above should be installed
- d. SQL Server should be installed
- e. Include the Source Code and SOL Table definition in the backup.
- f. EXAM Link: https://us02web.zoom.us/meeting/register/tZcvdeygqz0iGtEfdTDPtgnih0ifG62iQBAx
- g. Upload Link: https://forms.gle/BHWNctaue1ZPnjf57

Questions:

- 1. Create an MVC application for managing Books named "BooksMVC". Create the following in the application: [20 Marks]
 - a. Create a controller name BookController
 - **b.** Create the following actions
 - a. AddBook (for adding a Book in database and show the auto generated Bookid)
 - b. ShowBooks (Show all Books from database).
 - c. Index (for showing the links : Add Books & Show Books)
 - c. Models:
 - a. BookModel(BookID, BookName, BookAuthor, BookPrice) with validation
 - b. Use Entity Framework
 - **d.** View: AddBook, ShowBooks, Index
 - e. Create a database named BooksDB and a table named tbl_books (you can use entity framework).
 - $\label{eq:sql} \textbf{f.} \quad SQL \ Table: tbl_books BookID(Auto\ , PK)\ , \ BookName\ , \ BookAuthor, \ BookPrice.(you\ can\ use\ entity\ framework)$
- 2. Create a Web API for to get the Book list

[20 Marks]

- **a.** Create a Get method to get the list of all Books
- **b.** You can use the above Question's database/table
- c. Use Entity Framework
- **d.** The data format should be JSON
- e. Use PostMan or SOAPUI for testing the Web API

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