M.Sc. Third Semester Examination, Feb. 2022
INFORMATION TECHNOLOGY
FIRST PAPER
Dot Net Technology
Paper Code : 81301

Time Allowed: 1½ Hours   **Maximum Marks : 70**

No supplementary answer book will be given to any candidate. Hence the candidates should write the answers precisely in the main answer book only

*(*Attempt all six questions*)*
Part I (Question No. 1 & 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has internal choice.

PART- I
1. **Attempt any 10 questions out of the following. Each question carries 1 mark.**   **10x1=10**
   a) From which base class all web forms are inherited?

   b) What is View State?

   c) How long the items in View Sate exits?

   d) What are the different session state management options available in ASP.NET?

   e) How you can add an event handler?

   f) Can we have a web application running without web.config file?

   g) Is it possible to create web application with both web forms and mVC?

   h) Which protocol is used to call a web service?

   i) What are the components of ADO.NET?

   j) Which name spaces are necessary to create a localized application?

   k) Write the syntax for creating web controls.

   l) Is ASP.NET support any type of databases? Enlist the supported databases of ASP.NET.

   m) What do you know about Just – in – time (JIT) compiler?

2. **Attempt all questions. Each question carries 5 marks.**   **4x5=20**
   a) What are various advanced features of ASP.NET?

   b) What is ASP.NET? Explain.

   c) What is 'Common language Runtime(CLR) ? Discuss.

   d) What are the different Validation controls in ASP.NET?

PART II

3. Discuss various components of .Net framework in brief.   **10**

4. Discuss and illustrate ASP.NET life cycle in brief.   **10**

5. Define Validation. Discuss properties and methods of Validation Controls.   **10**

6. Define Event. Describe the events used in the Life cycle of a web application.   **10**

7. What do you mean by Web Service? Write down the process of creating a web service.   **10**

8. Write down the process of creating the Proxy.   **10**

9. Explain the data Set Class.   **10**

10. Which database is the ADO.NET SQL connection object designed for? Discuss.   **10**

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