

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA ENGINEERING – SEMESTER – IV EXAMINATION – WINTER - 2018**

**Subject Code: 3340704**

**Date: 28-11-2018**

**Subject Name: .NET PROGRAMMING**

**Time: 02:30 PM TO 05:00 PM**

**Total Marks: 70**

**Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

**Q.1** Answer any seven out of ten. દશમાંથી કોઈપણ સાતના જવાબ આપો. **14**

1. What is Namespace in .Net?
૧. .Net Namespace એટલે શું?
2. Define Event.
૨. Event વર્ણવો.
3. Explain InStr string function
૩. InStr string function સમજાવો.
4. Explain Format function
૪. Format function સમજાવો.
5. Explain ReDim keyword
૫. ReDim keyword સમજાવો.
6. Differentiate Sub routine and Function in .NET
૬. Sub routine and Function વચ્ચેનો તફાવત સમજાવો.
7. Explain Property Window.
૭. Property Window સમજાવો.
8. Explain Solution Explorer.
૮. Solution Explorer સમજાવો.
9. Explain Connection String
૯. Connection String સમજાવો.
10. Explain difference between Context menu and Main menu.
૧૦. Context menu and Main menu વચ્ચેનો તફાવત સમજાવો.

**Q.2** (a) Explain important properties and events of Text box control. **03**  
પ્રશ્ન. ૨ (અ) Text Box control ની મહત્વ properties and events સમજાવો. **૦૩**

OR

- (a) Write difference between Listbox control and Combo box control **03**
- (અ) Listbox control and Combo box control વચ્ચેનો તફાવત લખો. **૦૩**
- (b) Write difference between Check box control and Radio button control **03**
- (બ) Check box control and Radio button control વચ્ચેનો તફાવત લખો. **૦૩**

OR

- (b) Explain Timer control with its important property and event. **03**

|                 |                                                                             |    |
|-----------------|-----------------------------------------------------------------------------|----|
|                 | (બ) Timer control ની મહત્વ properties and event સમજાવો.                     | 03 |
|                 | (c) Explain .Net Framework                                                  | 04 |
|                 | (ક) .Net Framework સમજાવો.                                                  | 04 |
|                 | OR                                                                          |    |
|                 | (c) Explain CLR and CTS                                                     | 04 |
|                 | (ક) CLR and CTS સમજાવો.                                                     | 04 |
|                 | (d) Explain array in .Net                                                   | 04 |
|                 | (ડ) .Net array સમજાવો.                                                      | 04 |
|                 | OR                                                                          |    |
|                 | (d) List out data type in .Net and explain Date Type.                       | 04 |
|                 | (ડ) .Net data types ની યાદી લખો and Date Type સમજાવો.                       | 04 |
| <b>Q.3</b>      | (a) Explain For...Each loop                                                 | 03 |
| <b>પ્રશ્ન 3</b> | (અ) For...Each loop સમજાવો.                                                 | 03 |
|                 | OR                                                                          |    |
|                 | (a) Explain FCL and BCL.                                                    | 03 |
|                 | (અ) FCL and BCL સમજાવો.                                                     | 03 |
|                 | (b) Explain NumericUpDown control with its important property and event.    | 03 |
|                 | (બ) NumericUpDown control ની મહત્વ properties and event સમજાવો.             | 03 |
|                 | http://www.gujaratstudy.com                                                 |    |
|                 | OR                                                                          |    |
|                 | (b) Explain Date Time Picker control with its important property and event. | 03 |
|                 | (બ) Date Time Picker control ની મહત્વ properties and event સમજાવો.          | 03 |
|                 | (c) Explain scroll bar control with its important properties and event.     | 04 |
|                 | (ક) Scroll bar control ની મહત્વ properties and event સમજાવો.                | 04 |
|                 | OR                                                                          |    |
|                 | (c) Explain Masked Textbox control with its important properties and event. | 04 |
|                 | (ક) Masked Textbox control ની મહત્વ properties and event સમજાવો.            | 04 |
|                 | (d) Explain Message Box.                                                    | 04 |
|                 | (ડ) Message Box સમજાવો.                                                     | 04 |
|                 | OR                                                                          |    |
|                 | (d) Explain Input Box                                                       | 04 |
|                 | (ડ) Input Box સમજાવો.                                                       | 04 |
| <b>Q.4</b>      | (a) Explain Sub procedure and Function                                      | 03 |
| <b>પ્રશ્ન 4</b> | (અ) Sub procedure and Function સમજાવો.                                      | 03 |
|                 | OR                                                                          |    |
|                 | (a) Explain any three string function                                       | 03 |
|                 | (અ) કોઈપણ ત્રણ String function સમજાવો.                                      | 03 |
|                 | (b) Explain structured exception handling.                                  | 04 |
|                 | (બ) Structured exception handling સમજાવો.                                   | 04 |
|                 | OR                                                                          |    |
|                 | (b) Explain unstructured exception handling.                                | 04 |
|                 | (બ) Unstructured exception handling સમજાવો.                                 | 04 |
|                 | (c) Write a code for simple calculator.                                     | 07 |
|                 | (ક) Simple calculator માટે code લખો.                                        | 07 |

|                  |     |                              |           |
|------------------|-----|------------------------------|-----------|
| <b>Q.5</b>       | (a) | Explain Data Adapter object. | <b>04</b> |
| <b>પ્રશ્ન. ૫</b> | (અ) | Data Adapter object સમજાવો.  | <b>૦૪</b> |
|                  | (b) | Explain Data Table object.   | <b>04</b> |
|                  | (બ) | Data Table object સમજાવો.    | <b>૦૪</b> |
|                  | (c) | Explain command object.      | <b>03</b> |
|                  | (ક) | Command object સમજાવો.       | <b>૦૩</b> |
|                  | (d) | Explain connection object.   | <b>03</b> |
|                  | (ડ) | Connection object સમજાવો.    | <b>૦૩</b> |

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