Day: Tuesday   Time: 10.00 AM TO 01.00 PM
Date: 14/05/2019   S-2019-2642   Max. Marks: 60

N.B.:

    1)   All questions are **COMPULSORY**.
    2)   Figures to the right indicate **FULL** marks.
    3)   Use of non programmable **CALCULATOR** is allowed.
    4)   Assume suitable data if necessary.

Q.1   **a)**   What is an event? Explain various types of events with suitable example.   **(06)**
       b)   Explain in detail visual basic new project dialog box.   **(04)**

OR

Q.1   **a)**   Explain any two loop statements along with syntax and example.   **(06)**
       b)   Draw interface and write a program to accept two numbers from user Text   **(04)**
box 1 and Text box 2 respectively. Display result in Text box 3, when user
clicks on the particular command buttons having caption addition, subtraction,
multiplication and division. Clear all Text boxes using "Clear All" command
button. (Take three Text boxes and five command buttons)

Q.2   **a)**   Explain check box control with suitable example.   **(06)**
       b)   Draw interface and write a program to accept a number from user in Text box 1   **(04)**
and display result in Text box 2, when user clicks on a command 1 button
having caption "Display sum of digits" and command 2 button having caption
"Display its Reverse". Clear all Text boxes using "Clear All" command button.

OR

Q.2   **a)**   What is list box? What are various methods of list box? Explain list box control   **(06)**
with suitable example.
       b)   Draw interface and write a program to accept a number from user in Text box 1   **(04)**
and display its Factorial in Text box 2, when user clicks on a command button
having caption "Factorial". Clear all Text boxes using "Clear All" command
button.

Q.3   **a)**   Draw interface and write a program for design of distillation column to carryout   **(06)**
operations given below:
      i)   Accept values of feed in kg/hr fed to the distillation column, % methanol
present in feed, % methanol in distillate and % methanol in bottom product
from user in Text box 1, Text box 2, Text box 4 and Text box 6 respectively.
All percentages are by weight.
      ii)   Display kg/hr of distillate and kg/hr of bottom product obtained after
distillation process in Text box 3 and Text box 5 respectively, when user
clicks on a command button having caption 'Calculate distillate and bottom
products'.
      iii)   Also display percent loss of methanol in Text box 7, when user clicks on
command button having caption "Calculate percentage loss of methanol".
      iv)   Clear all Text boxes using 'Clear All' command button. (Note: Take seven
Text boxes, three command buttons and six labels.)
       b)   Explain timer control with suitable example.   **(04)**

OR

Q.3   **a)**   Distinguish between key press and other key events.   **(06)**
       b)   Explain subroutine and functions with suitable example.   **(04)**

P.T.O.

Q.4 a) What is HTML? Explain any six HTML tags with suitable example. **(06)**

b) Explain communication between web server and web browser with suitable example. **(04)**

OR

Q.4 Write HTML code to display following web page: **(10)**

```
┌─────────────────────────────────────────────┐
│  ╭─────────╮                                  │
│  │ Logo.gif │   FIT-N-FINE HEALTH CLUB        │
│  ╰─────────╯                                  │
├─────────────────────────────────────────────┤
│            "The greatest wealth is health"    │
│   ▪ Our Services:                             │
│        1. Gymnasium                           │
│        2. Cardio Section                      │
│        3. Scientific weight loss or gain program │
│        4. Yoga                                │
│   ▪ Branches:                                 │
│        • Mumbai                               │
│        • Pune                                 │
│        • Delhi                                │
│   ▪ CONTACT US:                               │
│                        ( Website developed by xyz) │
└─────────────────────────────────────────────┘
```

Note: i) Logo.gif is an image file located in path E:\ Images.
ii) Headings are in red colour – Font "Times New Roman" (Size 18).
iii) Services and Branches are in blue colour – Font "Arial" (Size 14).
iv) Background colour is White.

Q.5 a) Explain different tags used to insert table in a webpage. **(06)**

b) Give HTML tags for the following with suitable example: **(04)**
i) Hyperlink to another web page   ii) Hyperlink on the same page

OR

Q.5 Write HTML code to display following table: **(10)**

PRICE TABLE		
Company Name	Item Name	
	Gel Pen	Ball Pen
Reynold's	Rs. 70	Rs. 60
Montex	Rs. 65	Rs. 45
Cello	Rs. 50	Rs. 40

Place border for table and align the table in centre of screen.

Q.6 Write HTML code to display following form: **(10)**

```
┌─────────────────────────────────────────────┐
│             Student Information              │
│  PRN          [                          ]   │
│  Name         [                          ]   │
│  Gender       O Male         O Female        │
│  Date of Birth [                         ]   │
│  Email        [                          ]   │
│  Class        [                          ]   │
│                  [ Submit ]                   │
└─────────────────────────────────────────────┘
```

OR

Q.6 What is DHML? Explain CSS and DOM components of DHTML. **(10)**

*   *   *   *   *