

23/5/16
Morning

GANPAT UNIVERSITY
B. TECH SEM-IV (CE/IT) REGULAR EXAMINATION – APRIL-JUNE 2016
2CE405/2IT405: Application Development Tools

TIME: 3 HRS

TOTAL MARKS: 60

Instructions: (1) This Question paper has two sections. Attempt each section in separate answer book.
 (2) Figures on right indicate marks.
 (3) Be precise and to the point in answering the descriptive questions.

SECTION: I

- Q.1 (a) Explain relational and logical operator with console application. (5)
 (b) Write a user defined function to print all the leap years within the given range. (5)
- OR**
- Q.1 (a) Explain the functionalities of CLR. (5)
 (b) Write a user defined function to find the roots of quadratic equation. (5)
- Q.2 Create notepad like Text Editor which has MenuStrip & ToolStrip with open, save, saveAs, font/size change, zoom in/out functionalities. (10)
- OR**
- Q.2 Explain important properties, events & methods of Windows Form, Button, TextBox and ListView in detail with example. (10)
- Q.3 (a) Explain ADO.NET architecture in detail with diagram. (5)
 (b) Differentiate call by value, call by reference and call by output parameter with example. (5)

SECTION: II

- Q.4 (a) Write a Console application to remove duplicate elements from an array having N elements. (6)
 (b) Explain RadioButton and CheckBox with example. (4)
- OR**
- Q.4 (a) Write a console application to check whether the given number is perfect or not. A number is perfect if its sum of all digits is same as multiplication of all digits. (5)
 (b) Explain use of Timer control with example. (5)
- Q.5 Consider location table with fields like LocationId, LocationName, LocationCoordinate, LocationCity & LocationState. Develop a windows application which search location by LocationName and display the result. (10)
- OR**
- Q.5 Develop a windows application which accepts car details like MobileId(autoincrement), MobComName, MobModel, MobIMEI, Price, YearofManufa & MobColour and insert it into database. (10)
- Q.6 (a) Write a console application to replace a substring with a given string. (Note: without using string function) (5)
 (b) Define array. Write syntax to initialize one, two dimensional and jagged array. Also write the difference between jagged array & two dimensional array. (5)

-----END OF PAPER-----