

GANPAT UNIVERSITY

B. Tech. Semester: IV Computer Engineering / Information Technology

Regular Examination May 2014

2CE406/2IT406: Application Development Tools

Time: 3 Hours

Total Marks: 70

- Instruction: 1. All questions are compulsory
2. Figures to the right indicate full marks
3. Each section should be written in separate answer book

Section – I

- Que. 1 (a) Write a c# code for following (Use textbox as your input) [12]
i. to validate email id
ii. to validate mobile number
iii. to check whether password & confirm password are same or not.
iv. to check each and every textbox should not be blank and check any one textbox value should be in a specified range only.
- OR
- Que. 1 (a) Write a windows application with following methods and store the answer in listbox: (Use textbox as your input) [12]
i. to find Armstrong number between specified range
ii. to check whether the given number is lucky or not
iii. to display all leap year between specified range
- Que. 2 (a) Explain ADO.NET architecture with disconnected classes and connected classes in detail with necessary diagram. [6]
(b) Write a console application to generate Pascal triangle using jagged array. [5]
- OR
- Que. 2 (a) Write a Console application to remove duplicate elements from an array having N elements. [5]
(b) Define array. Write syntax to initialize one, two dimensional and jagged array. Also write the difference between jagged array & two dimensional array. [6]
- Que. 3 (a) Design a windows application which accept following information from user and store it into the table. Also include update, delete and clear functionalities. [10]
i. enrollment_no
ii. name
iii. semester
iv. branch
v. gender
vi. address
(b) Write a c# code which displays a message box with appropriate title, message, icon and yes & no button. [2]

Section – II

- Que. 4 (a) List available controls for user input in c# language and explain any two in detail. [4]
(b) Discuss Event Driven programming and object oriented programming with example. [4]
(c) List out all new features of visual studio 2012 and explain any three. [4]
- OR
- Que. 4 (a) Discuss Interrupting loops in detail with suitable example. [6]
(b) Explain .NET Architecture with diagram. [6]
- Que. 5 (a) List out three controls derive from Button Base. Explain any two's properties and events. [5]
(b) Discuss at least three features of .NET framework. [6]
- OR
- Que. 5 (a) Describe any five operators which are supported by c# with example. [5]
(b) Discuss GroupBox control with its properties and events. [6]
- Que. 6 (a) List out the types of application. Explain in detail. [3]
(b) Explain CLR functionalities in detail. [4]
(c) Is Tab Index property is available in each control? Explain with suitable example. [5]

END OF PAPER