

Master of Computer Application (MCA-II)(CBCS Pattern) Third Semester
PMCAT301 - .Net Technologies Paper – I

P. Pages : 2

Time : Three Hours



GUG/W/18/11101

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labeled diagram and use supporting data whenever necessary.
 3. Avoid vague answers and write specific answers related to questions.

1. Either

- a) Explain .net Framework architecture in detail. **8**
- b) What is CLR? Explain basic functionality of CLR. **8**

OR

- c) Explain Assemblies in detail. **8**
- d) What is Garbage collection? Explain architecture of Garbage collection. **8**

2. Either

- a) Explain in detail different data types available in C# .Net. **8**
- b) Write a program to accept any character from keyboard and display whether it is vowel or not. **8**

OR

- c) What is inheritance? Explain single inheritance with example. **8**
- d) Write a program to demonstrate function overloading. **8**

3. Either

- a) Explain any four windows forms controls in detail. **8**
- b) Design a Form to check whether the entered multidigit number is palindrome or not. **8**

OR

- c) What is debugging? Write a program to demonstrate error handling. **8**
- d) Create a form to make a arithmetic Calculator which can perform arithmetic operation on two integers as per the symbol entered by user. **8**

4. Either

- a) Explain ADO. Net architecture in detail. **8**

- b) Explain the following. 8
i) Data Adaptor. ii) Data set.

OR

- c) Explain the following. 8
i) DAO ii) RDO
- d) Write a program to store student record in database. The fields of table are student (Std no, S Name, dob, gender) 8

5. Attempt all the questions.

- a) Write short note on MSIL 4
- b) Explain Boxing and unboxing. 4
- c) Explain any two windows forms event. 4
- d) Write short note on data Binding. 4
