

Roll No. ....

**67206**

**MCA 5th Semester CBCS  
Scheme (w.e.f. 2018-19)  
Examination – December, 2018**

**ADVANCED TECHNOLOGY**

**Paper : 18MCA35C1**

*Time : Three Hours ]*

*[ Maximum Marks : 80*

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*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

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*Note : Question No. 1 is **compulsory**. Attempt **four** more questions selecting **one** question from each Unit.*

**1.** Answer the following questions briefly :  $2 \times 8 = 16$

- (a) Explain unmanaged code and its de merits.
- (b) Define destructor and discuss its uses.
- (c) What is data grid ? How is it useful ?
- (d) Explain major features of ASP.Net.
- (e) Describe inheritance and its types.
- (f) How multicasting is used and useful ?
- (g) Write the uses and advantages of jagged array.
- (h) What is over riding ? Give one example of its use.

### UNIT – I

2. What is .Net framework ? How is it useful and used ? Discuss its architecture and design goals with examples. 16
3. Explain the following briefly with suitable examples : 8 each
- (i) CLR and its execution and advantages
  - (ii) Managed code and its merits

### UNIT – II

4. (a) Define exception handling. How is it useful and used ? Explain how is it different from over loading with an example. 8
- (b) Explain constructor, its types and applications with one example of each type. 8
5. Describe the following with examples : 16
- (a) Over riding and its advantages
  - (b) Delegates and its uses and advantages

### UNIT – III

6. (a) What are data bound controls ? How these are useful ? Explain how these are used to display data on web form with suitable examples. 8
- (b) Explain ADO.Net and its architecture and advantages with examples. 8
7. Explain the following with examples : 16
- (i) Creating Data Grid

- (ii) Connected and disconnected database
- (iii) Data adapter, Data set, Data row
- (iv) Data binding with windows form

### UNIT – IV

8. (a) What is data connectivity ? How it is used ? How is it done with ASP.NET. Explain with an example. Also discuss its advantages. 8
- (b) Describe major HTML and validation controls and their uses with suitable examples. 8
9. Explain the following with examples : 16
- (i) Web controls
  - (ii) Authorization
  - (iii) Caching and session
  - (iv) Advance Grid Manipulation