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**AAG-612**

Seat No. 1155

**B. C. A. (Sem. V) Examination**

**October / November - 2016**

**502 : .Net Framework using C#**

Time : 3 Hours]

[Total Marks : 70

- 1 [A] Define following : 6
- (1) JIT
  - (2) CLS and CTS
  - (3) Delegate.
- [B] Answer the following : (Any Two) 12
- (1) Explain .Net Framework Architecture.
  - (2) Write brief note on CLR.
  - (3) Describe any three string handling and math functions in C#.
- 2 [A] Answer the following : 5
- (1) Define :
    - (a) IIS (b) Web Server
  - (2) What is Namespace? Which is root namespace? Give name of any three namespace.
- [B] Answer the following : (Any Two) 12
- (1) Write brief note on Assembly.
  - (2) Differentiate: Web based and Window based application.
  - (3) Explain Virtual directory.

**3** [A] Answer the following : **6**

- (1) Differentiate : HTML and Webserver controls.
- (2) Define: Machine.config and Global.asax file.
- (3) Distinguish : ImageButton, Image and ImageMap control.

[B] Answer the following : (Any Two) **12**

- (1) Explain Web.config file in brief.
- (2) Write short note on Master Page.
- (3) Explain ASP.NET page life cycle.

**4** [A] Answer the following : **5**

- (1) What are characteristics of ADO.Net.
- (2) Define: Single value and Repeated value databinding.

[B] Answer the following : (Any Two) **12**

- (1) Differentiate : ADO and ADO.Net.
- (2) Explain ADO.NET architecture.
- (3) Describe Datareader and Dataset in detail.