

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)

**BSc DEGREE EXAMINATION MAY 2019**  
(Fourth Semester)

Branch - **COMPUTER TECHNOLOGY**

**DOT NET PROGRAMMING**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer ALL questions

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Define CLS.
- 2 Write any two features of JIT compiler,
- 3 Give the syntax and example for C# comments.
- 4 How to use Delegates in C#? Give an example.
- 5 Give the general structure of ASP.NET web page.
- 6 List out the web controls used for selecting choices.
- 7 Define ASP.NET application.
- 8 What do you mean by Virtual Directory? Give its features.
- 9 Name any two important properties of Data List control.
- 10 What are the pieces of connection string?

**SECTION - B (25 Marks)**

Answer ALL Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Write short notes on Web Development using .NET.  
OR  
b Describe about Microsoft Intermediate Languages.
- 12 a Briefly explain about the float and double data types and their differences.  
Give suitable examples.  
OR  
b How to use Constructor and Destructor in C#? Give Real Life Based example.
- 13 a Discuss on Web Form Creation facilities in ASP. NET.  
OR  
b Write short notes on various ways of Inputting Text using Web Controls,
- 14 a Briefly explain about Data List Controls.  
OR  
b Discuss on Session and Application Level State Management in ASP.NET.
- 15 a Discuss on ADO.NET Architecture.  
OR  
b Write short notes on Data Table Objects.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Explain the following :  
(i) Garbage collection (ii) Code Security (5+5)
- 17 Describe in detail about Access Modifiers and Methods in C#.
- 18 Explain in detail about web controls for displaying data with suitable example.
- 19 Discuss in detail about page navigation options in ASP.NET.
- 20 Write in detail about editing and paging features of Data grid control.