

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024  
(Fourth Semester)

Branch – COMPUTER SCIENCE

.NET PROGRAMMING / .NET FRAMEWORK

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. What is the main purpose of the Common Language Runtime(CLR) in the .Net framework?  
(i) Code compilation                      (ii) Memory management and garbage collection  
(iii) User interface design              (iv) Database connectivity
2. Which among the following is considered as .NET exception class?  
(i) Exception                                  (ii) StackUnderflowException  
(iii) File bound Exception              (iv) All of the above
3. In C#/.NET, which method is used to read a line of text from the standard input(console)?  
(i)Read()                                      (ii) ReadLine()  
(iii) ReadString()                          (iv) ConsoleInput()
4. Which file is responsible for configuring ASP.NET applications specifying various settings?  
(i) Web.config                              (ii) Global.asax  
(iii) AppSettings.config              (iv) App.config
5. Which ASP.NET control is commonly used to display a read-only, formatted view of data retrieved from a data source?  
(i) GridView                                  (ii) Repeater  
(iii) DetailsView                              (iv) DataList

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. (a) List out the CLR services.  
OR  
(b) Write a note on class libraries.
- 7 (a) How to assign an array references?  
OR  
(b) How to throw an exception?
- 8 (a) Describe about byte-oriented file I/O.  
OR  
(b) Write about synchronization.
- 9 (a) Infer features of ASP.Net.  
OR  
(b) Describe any two project templates

Cont...

- 10 (a) What are the methods used for validating user input?  
OR  
(b) How to filter data in ASP?

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11.(a) Sketch a .NET Architecture. Explain in detail.  
OR  
(b) Interpret Common Language Infrastructure (CLI).
12. (a) Explain about Multidimensional array with example.  
OR  
(b) Explain about try, catch, finally with an example.
- 13 (a) Write about the following.  
(i)The File class (ii) Lambda expression  
OR  
(b) Explain about Multithreaded programming with example.
- 14 (a) Develop a own web page with ASP.NET.  
OR  
(b) Interpret IDE in ASP.NET with example.
15. (a) How to validate user input in Web Forms with example? Explain in detail.  
OR  
(b) Develop web applications with variety of controls in ASP.NET.

Z-Z-Z

END