Instructions:

a) Follow The Instructions.
b) You Have **1.5 Hrs.** To Complete This Test.
c) In **Block** Letters, Write Your **Name** and your **ID Number** On Every Answer Sheet You Use.
d) Label Your Question Numbers Clearly and **Correctly.**
e) This Test Will Account for **30%** of the semester marks.

Name.

ID

Part I: Answer Any SEX (6) of the following questions.   18 Marks
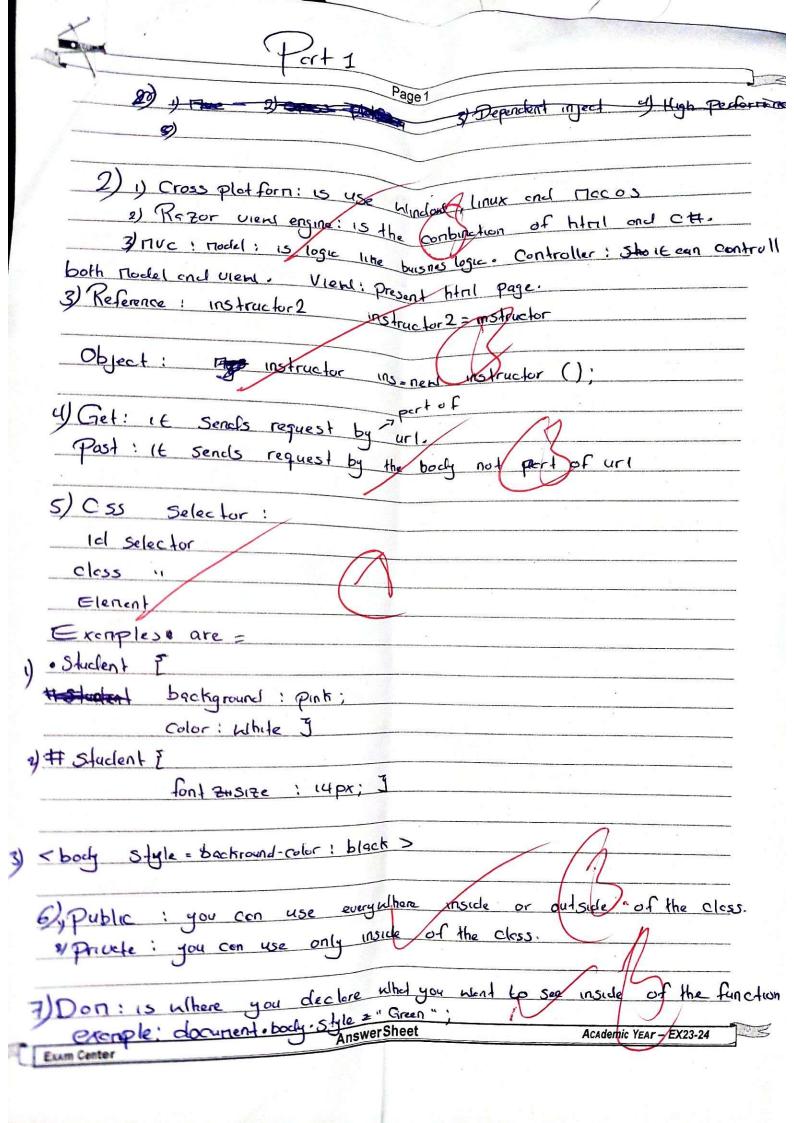
1. Define the following terms:
   a) String Interpolation
   b) Content Delivery Networks (CDNs)
   c) Enumerations

2. Describe key components and features of ASP.NET Core MVC

3. Explain the difference between reference types and Object types in ASP.NET C#.

4. What is the different between GET and POST HTTP verbs?

5. Describe the common CSS selectors and give an example of each.

6. List and briefly describe some common access modifiers used in ASP.NET C#.

7. What is the document object model DOM?

Part II: Answer Any Three (3) of the following questions.   12 Marks

1) Create an ASP.NET Core MVC program that follows these requirements:
   a) First, create a model class called Student with three different variables: StudentID, Name, and Department.
   b) Next, create a controller called StudentController and assign values to the Student model class's variables in an appropriate action result method.
   c) Finally, add a view that displays the student model's information.

2) Write a javascript function code that returns the larger of the two numbers given as input parameters and displays in the HTML page.

3) Write a code that switches between dark and light mode with CSS and JavaScript.

4) Write an example of C# code that implements the concept of inheritance.

END

Part 1

20) 1) ~~Five~~ — 2) ~~express~~ ~~link~~   3) Dependent inject   4) High Performance

2) 1) Cross platform: is use Windows, linux and MacOS

2) Razor views engine: is the combination of html and c#.

3) MVC : Model : is logic like the buisnes logic. Controller: ~~sho~~ it can controll both Model and view. View: Present html page.

3) Reference : instructor2

instructor2 = instructor

Object :   ~~age~~ instructor   ins = new instructor ();

4) Get: it sends request by → part of url.

Post : It sends request by the body not part of url

5) Css   Selector :

Id selector

class "

Element

Examples are =

1) • Student {
~~#student~~   background : Pink;
Color : white }

2) # Student {
font ~~zh~~size : 14px; }

3) < body Style = backround-color : black >

6) Public : you can use everywhere inside or outside ^ of the class.
* Private : you can use only inside of the class.

7) Dom: is where you declare what you want to see inside of the function
example: document.body.Style = " Green ";

Part 2

1) MVC

Model

Public void static main (string [] args) { public void student {
Public int studentid
Public string Name
Public string Department
}
}

Controller

Public StudentController : Controller {
  Student lactionresult index
  Student st = new Student ();

  St. StudentId ();
  St. Name ();
  St. Department ();
  St. viewback ();

View

@ st. studentid. viewback
@ st. Name . viewback
@ st. Department . viewback
@

The view needs to save the class index . cshtml