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| **No.** | **Group** | **Question** | **Answers** |
| 1 | .NET & .NET Core | **The .NET framework is:**   1. Software development platform developed by Microsoft 2. To create applications which would run on the Windows Platform 3. To create (1) Form-based, (2) Web-based applications and (3) Web services | 1, 2, 3 |
| 2 |  | **The .NET Core framework is:**   1. The latest web framework from Microsoft. 2. It is a cross platform. 3. It is free and open source and supported by Microsoft. 4. It can be used to develop web applications. 5. It is also compatible with .NET framework, Xamarin(for mobile application) via .NET standard library. 6. It is easy to use and very easy to learn. 7. The latest version of .NET Core is .NET Core 3.0. | 2, 3, 4, 5,6, 7 |
| 3 |  | **Some differences between .NET Core and .NET framework?**   1. .NET Core is the latest of .NET framework. 2. .NET Core is cross platform, but .NET framework is not. 3. .NET Core compatible with xamarin to develop mobile application. But .NET framework doesn’t have any tools to simplify mobile application. 4. .NET Core is more effective than .NET framework | 2, 4 |
| 4 |  | **.NET Standard is:**   1. A set of APIs that all .NET platforms have to implement. 2. To unifies the .NET platforms and prevents future fragmentation | 1 |
| 5 |  | **When should we use .NET Core and .NET Standard Class Library project types?**   1. Use a .NET Standard library when you want to increase the number of apps that will be compatible with your library, and you are okay with a decrease in the .NET API surface area your library can access 2. Use a .NET Core library when you want to increase the .NET API surface area your library can access, and you are okay with allowing only .NET Core apps to be compatible with your library. | 1, 2 |
| 6 | ASP.NET Core | **Can ASP.NET Core work with the .NET framework?**   1. Yes 2. No | Yes |
| 7 |  | **What is Kestrel?**   1. A cross-platform web server built for ASP.NET Core. 2. A default web server pick since it is used in all ASP.NET Core templates. 3. Really fast. | 1,3 |
| 8 |  | **What is .csproj?** | **".csproj"** is a Visual Studio .NET C# Project file extension. It will be automatically generated when we create. |
| 9 |  | **Static files in ASP.NET Core are? Give samples** | 1. Stored within your project's web root directory. 2. Accessible via a path relative to the web root.   Example: The Web Application project template contains several folders within the wwwroot folder: css, images, js,... |
| 10 |  | **Startup.cs file is to?** | To contain config methods and it is executed first when the application starts. |
| 11 |  | **How many common methods in Startup.cs file? List out and purposes of each?** | 1. **“ConfigureServices” method** - This method gets called by the runtime and configure the app's services (A service is a reusable component that provides app functionality) 2. **“Configure” method** - This method gets called by the runtime. Use this method to configure the HTTP request pipeline. |
| 12 |  | **Dependency Injection (DI) is to?** | Dependency Injection (DI) is to supplies the dependencies of one object from other object and match the “Dependency inversion principle” in **S.O.L.I.D** principle. |