



TERTIARY AND VOCATIONAL EDUCATION COMMISSION
COMMON PRACTICAL EXAMINATION – 2020



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NVQ Level 06 - Semester I		
Information and Communication Technology		
Configure middleware, application servers and third-party software components I- Practical		
	K72T001M13	Two Hours

Question

[100 Marks]

Prerequisites:-

SQL Server Database any newest version.

Visual Studio any newest version.

Microsoft IIS Server.

Develop web service application and web site to insert and retrieve student details of ABC institute. Please go through following instructions before develop the applications.

- 1) Create database name as “Student” and table name as “Student_Detail” with following columns. [05 Marks]

Column Name	Data Type
StudentId	Int(Set Identity=true)
StudentName	Varchar(20)
Age	Int

- 2) Create web service application name as “studentwebservice”. [05 Marks]
- 3) Write two web methods for insert student details and retrieve student details. Name of those two web methods as Add_Student and Get_Student. [20 Marks]
- 4) Configure connection strings setting on web.config file. [10 Marks]



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- 5) Test the Get_Student method to ensure connection string configurations. [05 Marks]
- 6) Deploy web service in IIS Server. [20 Marks]
- 7) Create ASP.NET web site and develop a web form to add student details to database and display student details. [10 Marks]
- 8) Add web service URL as reference to ASP.NET web site. [05 Marks]
- 9) Write code for Add Student (Add) and Get Student (Display) buttons. [10 Marks]
- 10) Display all students details on a table when click Display button. [05 Marks]
- 11) Insert students details when click Add button. [05 Marks]