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<b>NVQ Level 06 - Semester I</b>		
<b>Information and Communication Technology</b>		
<b>Configure middleware, application servers and third-party software components I</b>	<b>K72T001M13</b>	<b>Three Hours</b>
<b>* Answer for 4 questions only</b>		

**Question 1** **[25 Marks]**

- (a) Explain Application Server and give two examples. [10 Marks]
- (b) Briefly explain two advantages of Application Servers. [10 Marks]
- (c) List down two software applications that use windows telephony API (TAPI). [05 Marks]

**Question 2** **[25 Marks]**

- (a) Discuss two differences between API and Web services. [08 Marks]
- (b) What is middleware? Explain and give two examples. [10 Marks]
- (c) Briefly explain two types of Middleware. [07Marks]

**Question 3** **[25 Marks]**

- (a) Explain Enterprise Application Integration (EAI). [10Marks]
- (b) List down two types of Enterprise Application Integration (EAI). [05Marks]
- (c) Briefly explain two benefits of Enterprise Application Integration (EAI). [10Marks]

**Question 4** **[25 Marks]**

- (a) Briefly explain about Data Integration. [06Marks]
- (b) Briefly describe about the “Database Middleware”? [08Marks]
- (c) List down two types of Impact Analysis Techniques. [06Marks]

(d) List two advantages of the project charter.

[05Marks]

**Question 5**

**[25 Marks]**

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(a) Explain Component Based Software Engineering (CBSE) with two benefits.

[10 Marks]

(b) Describe about garbage collection and its usage?

[09Marks]

(c) List out two types of business process integrations.

[06Marks]