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NVQ Level 06 - Semester I		
Information and Communication Technology		
Configure Middleware, Application Server & Third-party Software Components 1	K72C001M13	Three Hours
* Answer all five (05) questions		

1.

- a) What is component-based software engineering? [6 Marks]
- b) Explain three advantages of using third party components? [6 Marks]
- c) Explain four factors to be considered, when third-party components are selected in software development. [8 Marks]

2.

- a) What are the three basic protocols in e-mail communication? [6 Marks]
- b) Explain the difference between POP and IMAP with four important points? [8 Marks]
- c) IMAP is not used in particular email server due to limited space. Explain that how the risk of losing messages can be minimized in a local device, which is connected with that email server? [6 Marks]

3.

- a) Why Enterprise Application Integration (EAI) should be used in software application development? [5 Marks]
- b) Explain three main integration levels in EAI? [9 Marks]
- c) Why the middleware should be used without using point to point integration? [6 Marks]

4.

- a) Briefly explain "Remote Method Invocation"? [8 Marks]
- b) Explain three advantages in Java remote method invocation? [6 Marks]
- c) Explain two widely used modern technologies for "Remote Method Invocation"? [6 Marks]



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5.

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| a) Explain three challenges in integration management? | [6 Marks] |
| b) Explain four advantages of using “Business Process Integration Software”? | [8 Marks] |
| c) Explain six areas that you have to concern when analyzing a change impact? | [6 Marks] |

-End of the Examination Paper-