

ST2612 Tutorial 7 (Week 18)

Revision Lesson for Final Examination

AY20212022 S2 SMW Examination Paper (Section B)

1. In terms of the Microsoft Active Directory Authentication implementation:
 - (a) State the default and the alternative authentication schemes for the Microsoft Active Directory. (4 marks)
 - (b) Briefly describe when will the alternative authentication scheme be applied? (4 marks)
 - (c) Briefly describe the key workflow of the alternative authentication process. (6 marks)
2. In terms of the "Group Policy Object/Settings" operations:
 - (a) Briefly describe how to configure a particular Group Policy Object (GPO) to ensure it will be applied by all the systems within the domain. (5 marks)
 - (b) List **four** Password Policy settings that can be managed by GPO settings. (4 marks)
 - (c) Briefly describe the usage and the purpose of the "Reset account lockout counter after" policy setting. (6 marks)
3.
 - (a) In terms of the Patch Management:
 - (i) What are the definitions of the "Important" and "Moderate" severity ratings that associate with a Microsoft Update? (6 marks)
 - (ii) List **three** essential testing criteria of a new Windows Update package. (6 marks)
 - (b) In terms of the Microsoft IPsec implementation:
 - (i) Briefly explain **two** main security functions of the IKE module. (6 marks)
 - (ii) List **three** types of cyber-attacks that IPsec protects against. (6 marks)

4.

(a) In terms of Public Key Infrastructure (PKI):

(i) Briefly explain **two** PKI mechanisms/features that deal with compromised certificates. (8 marks)

(ii) List **two** features offered by the Enterprise Root CA, but not by the Standalone Root CA. (4 marks)

(b) Identify the most appropriate remote access solution for the following scenarios in terms of security, privacy, reliability and the cost effectiveness. The available choices include VPN, Remote Desktop Service, HTTPS web services and IPSec (Transport mode) or the combinations of them. Justify your answers with brief explanations.

To secure the remote access of

(i) the Group Policy Management Console program by the domain administrators using iPad devices. (5 marks)

(ii) shared printers by the authorized users using Windows workstations. (5 marks)

(iii) the corporate Internet web site by all corporate staff. (5 marks)

- End of Paper -

Nano Test Questions (Will be given by your tutor).

(For each attempted question: Correct answer earns 1 mark. Incorrect answer subtract 0.5 marks)

(Maximum scores: 2 marks)

Q1.

Q2.

Q3.

Submit your answers to the Nano Test Journal before the end of the class.

~ That's All ~