



Monday 21 May 2018
09:30 – 12:00

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- 1 a) State **two** indicators of progress used in project management. (2 marks)

- b) For **each** of the **two** indicators stated in Question 1 a), explain how they are used as indicators of progress. (4 marks)

- 2 a) State **two** access control methods. (2 marks)

- b) For **each** of the **two** access control methods stated in Question 2a), explain how they are used to control system access. (4 marks)

3

- Viruses.
- Logic Bombs.
- Worms.

(6 marks)

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

- 4 a) State **two** types of storage media that can be used in a computer system. (2 marks)

- b) For **each** of the **two** types of storage stated in Question 4a), explain one of its security vulnerabilities. (4 marks)

- 5 a) State **two** types of physical network topologies. (2 marks)

- b) For **each** of the **two** topologies stated in Question 5a), explain how data is transmitted. (4 marks)

6

- Proxy server.
- Web server.

(6 marks)

[illegible]

7

a) State **two** layers of the TCP/IP model.

(2 marks)

b) Explain the network function for **each** of the layers stated in Question 7a).

(4 marks)

- 8 a) State **two** programming language techniques. (2 marks)

- b) For **each** of the techniques stated in Question 8a), explain how programmes are constructed. (4 marks)

- 9 a) State **two** types of testing techniques. (2 marks)

- b) Explain a principle for **each** of the testing techniques stated in Question 9a). (4 marks)

10 a) State **two** data structures used in programming. (2 marks)

b) Explain how **each** of the data structures stated in Question 10a) is used in programming. (4 marks)

11 Explain the difference between State and Stateless in website programming. (2 marks)

- (9 marks)

[illegible]

- (9 marks)

[illegible]