BCS Level 4 Certificate in Cyber Security Introduction
QAN 603/0830/8

Specimen Paper A

Record your surname / last / family name and initials on the answer sheet.

Specimen paper only 20 multiple-choice questions – 1 mark awarded to each question. Mark only one answer to each question. There are no trick questions.

A number of possible answers are given for each question, indicated by either A. B. C. or D. Your answers should be clearly indicated on the answer sheet.

Pass mark is 13/20.

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This qualification is regulated by Ofqual (in England).
1 Which of the following actions **BEST** describes a directive control?

A It instructs a user to do something in a particular way.
B It stops a user from doing the wrong thing.
C It identifies if a user has done something wrong.
D It corrects the erroneous input from a user.

2 Which of the following are required for a ransomware attack to be successful?

a) Sending an e-mail that looks genuine with an attachment to a user.
b) Luring a user to click a link and download a file.
c) Exploiting a poorly configured firewall.
d) Disrupting power supply of the server backups.

A a and b only.
B c and d only.
C a, b and d only.
D b, c and d only.

3 What does CIA represent in relation to cyber security?

A Confidentiality, identity, availability.
B Confidentiality, integrity, availability.
C Confidentiality, integrity, accessibility.
D Criminality, integrity, availability.

4 Which of the following are likely to be security implications of accidentally leaving ports open on a server?

A Increasing the attack surface.
B Providing a backdoor to a protected system.
C Need of deploying extra physical security solutions.
D Additional security awareness training for the staff.
5  What is horizon scanning?
A  Looking at developments in technology to try and identify future trends or issues.
B  Identifying known threats appearing on the boundaries of a company's network.
C  Determining what new inventions in technology your competitors are bringing to market.
D  Scanning for vulnerabilities in the software that has been installed on the company's networks.

6  Which device is designed **PRIMARILY** to direct traffic on a network to a designated IP address?
A  Hub.
B  Firewall.
C  Router.
D  Scanner.

7  What **SHOULD** be the **MAIN** focus of information security practices in any organisation?
A  Implementing security controls.
B  Aligning with the business objectives.
C  Remaining cost effective.
D  Deploying long term solutions.

8  Which of the following security assurance models could **NOT** be evaluated by existing security evaluation criteria?
A  Intrinsic assurance.
B  Extrinsic assurance.
C  Implementation assurance.
D  Operational assurance.

9  What are the Common Criteria?
A  An international standard for ICT product security certification.
B  A way of checking if the most important security controls are in place.
C  The easiest security controls to implement in an ICT system.
D  Standard clauses expected to be seen in an outsourcing contract.
10 Which of the following are impacts of a cyber attack on a business?

a) Financial losses.
b) Reputational damages.
c) Use of office supplies.
d) Legal consequences.

A a and d only
B a, b and c only.
C a, b and d only.
D b and d only.

11 What are the parts of the World Wide Web whose contents are not indexed by standard search engines for any reason called?

A Surface web.
B Darknets.
C Tor network.
D Unallocated spaces / clusters.

12 Which of the following is a commonly used tool for the analysis of risk severity and evaluations of the possible solutions?

A Certified Risk Analyst.
B Mind map.
C Capability Maturity Model.
D Risk register.

13 Security requirements for a new product or system are **GENERALLY** driven from which of the following?

A Security solutions.
B Security objectives.
C Security functions.
D Security guidelines.
14 Which of the following is MOST frequently considered to be the weakest link within an organisation's cyber security?

A People.
B Third-party software.
C Insecure network connections.
D IT admin procedures.

15 Fill in the blank with the MOST LIKEY answer.

If a company fails to deliver an agreed service to its customers, then it may be a breach of ____________.

A Cyber law.
B Criminal law.
C Civil law.
D Contract law.

16 Fill in the blank:

Membership of a cyber security professional body (e.g. ISACA) requires you to adhere to their ____________________.

A Prescribed cryptographic tools for emails exchange.
B Code of professional ethics.
C Choice of cyber security tools.
D Approved suppliers of managed services.

17 Why do organisations need to know which of their information assets are the MOST business critical?

a) It is very expensive to protect all information assets to the same degree.
 b) Not all information assets are so critical to the business.
 c) Not all information assets should be protected.
 d) Security is very expensive and so minimising the cost is the top priority.

A a and c only.
B b and d only.
C a and b only.
D c and d only.
18 Which of the following COULD be the biggest risk for privacy compliance over the next couple of years?

A Implementation issues of GDPR.
B UK leaving the European Union.
C Advances in quantum computing.
D Use of artificial intelligence in big data analytics.

19 Which assurance provides confidence in the processes applied during the development of the product, service or system?

A Intrinsic.
B Extrinsic.
C Implementation.
D Operational.

20 Which of the following is a means of providing intrinsic assurance?

A Threat intelligence.
B Business continuity management.
C Cryptography.
D Message authentication codes.

-End of Paper-