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. A clothes manufacturing business has decided to bypass standard retail practices and sell direct to the end customer. What is the term used for this type of business?

A. C2C.
B. C2B.
C. B2B.
D. B2C.

2. Which level of testing is linked with requirements analysis?

A. System.
B. Unit.
C. Acceptance.
D. Integration.

3. Which of the following are KEY principles of Agile?

a) Processes and tools are critical to the success of the project.
b) Working software is the primary measure of progress.
c) Responding to constant change is important.

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

4. A KEY reason for considering the operational environment when designing an application is?

A. To ensure that the application can be developed quickly.
B. To anticipate what may affect the usage of the application.
C. To increase the chance of costly, unexpected incidents and problems when it is live.
D. To ensure that there will be no need for further changes to the application after it is live.
5. Which of the following are phases of the SDLC?
   a) Feasibility Study.
   b) Planning.
   c) Transition support.
   d) Design.
   A  c and d only.
   B  a and d only.
   C  b and c only.
   D  a, b and d only.

6. Which of the following are MOST LIKELY to happen with an iterative / incremental approach to software development when compared with a sequential approach?
   a) Software testing will happen later.
   b) A multi-disciplined collaborative approach is adopted.
   c) There is a focus on the project over the product.
   d) Understanding of the system architecture is gained earlier.
   A  a and c only.
   B  b and d only.
   C  b and c only.
   D  a and d only.

7. Which role in software development is MOST LIKELY to be directly involved with multiple phases of the SDLC?
   A  Project Manager.
   B  Software Tester.
   C  Business Analyst.
   D  Software Developer.
8 Which of the following SHOULD be controlled using configuration management techniques?

a) Source code.
b) Scripts for testing.
c) User Data.
d) Reliability requirements documentation.

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

9 Which statements are TRUE when developing mobile applications that will be deployed on multiple platforms?

a) Well-written code can be used on different platforms.
b) Native apps can offer a richer user experience.
c) Web apps are quicker to develop than native apps.

A a and b only.
B b and c only.
C a and c only.
D All of them.

10 Which of the following is a VALID reason why a company may choose to adopt a DevOps working practice?

A To establish effective development and operations teams where each has clear separate roles.
B To create better communication between development and operations teams.
C To enable the development staff to work effectively as individuals.
D To handover to operations early to allow developers to start the next project.
11 Which of the following statements about ‘customers’ and ‘users’ of software is TRUE?

a) Customers buy the software.
b) Customers report to a user.
c) All people who use software are users.
d) Customers are not users.

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

12 Which component consists of definitions, protocols and tools for building application software?

A Database structure.
B Source code.
C Programming interface.
D Library.

13 What role is described as follows?

'Is involved in the quality assurance stage of software development and deployment. Conducts automated and manually checks to ensure the software is fit for purpose.'

A Software tester.
B Software developer.
C Software release engineer.
D Software project manager.

14 Which of the following statements is TRUE for software deployed on multiple platforms?

A Testing is needed for each platform.
B The code must follow a known coding standard.
C The programming language used must be compiled.
D The software components must be modular.
15. Which tool is used to support test specification activities?

A. Test design tools
B. Test execution tool.
C. Test data sorting tool.
D. Dynamic analysis tool.

16. What is a reason to keep digital processes up to date?

A. To meet the changing needs of the business.
B. For users to benefit instantly from new functionality.
C. For the correction of any errors in functionality.
D. To reduce the usage of old applications.

17. Which of the following is a VALID reason why traceability is important between tests and requirements?

A. It facilitates efficient management of test coverage.
B. It enables accurate analysis of the impact of change on testing.
C. It separates testing from debugging.
D. It identifies the different test techniques that have been used.

18. Which of the following are reasons why it is important to agree to non-functional requirements?

a) To ensure software is available when needed.
b) To ensure there is resource to support the software when operational.
c) To ensure the software interacts correctly with business processes.
d) To make sure the software can continue to operate after an incident.

A. a, b and c only.
B. a, c and d only.
C. a, b and d only.
D. b, c and d only.
19 What will NOT influence an organisation’s choice of software solutions?

A Business need.
B Chosen development methodology.
C Existing development capabilities.
D Risk of changing requirements.

20 Which of the following is the MOST VALID reason for managing software under version control?

A Different code bases need to be maintained for different platforms.
B Business units may need slightly different versions of a system deployed.
C Different customers require the same version of products to make the complaints process easier to manage.
D Unrelated systems are being deployed to the same customer.

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