



BCS Professional Certificate in Advanced Requirements Engineering

Specimen Paper V1.0
July 2017

Record your surname/ last/ family name and initials on the Answer Sheet.

Specimen paper only. 9 scenario based multiple-choice questions – 2 marks awarded to each question. Mark only one answer to each question. There are no trick questions.

For multiple-choice 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.

This is a specimen paper only. The full exam has 40 multiple choice questions. Select one option for each question.

To pass the exam, you are required to gain a minimum of 65%.

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Scenario 1: To be used for Questions 1-9

Active Recruitment Ltd.(ARL) was set up in the early 2000s as a recruitment firm specialising in business management professionals.

The company has grown quickly and employs over 200 staff. Some of the growth has been through acquisition and the Executive Board has become aware that the company has become fragmented, with a wide range of recruitment standards and processes having been adopted. This has resulted in duplication of records and processing.

The Board feels that there needs to be an urgent review in order to define and deploy standard processes and procedures.

Q1. ARL has decided to appoint an enterprise architect, Louise Watson. Louise has decided to begin by collating the strategic information for ARL and looking at the value streams that comprise the work of the organisation.

Which of the architectural domains would she consider when doing this work?

- A. Solution architecture.
- B. Business architecture.
- C. Infrastructure architecture.
- D. Applications architecture.

Q2. The Head of Business Transformation for ARL, Gerry Herson, has decided to appoint one of the senior analysts to a role with responsibility for prioritising and controlling the ARL projects and ensuring that this is done in line with the organisation's strategic objectives.

Which of the following roles would have this responsibility?

- A. Development manager.
- B. Programme manager.
- C. Portfolio manager.
- D. Project manager.

Q3. The ARL governance policies, procedures and regulations have been made available to all projects and the enterprise architect has informed all IT staff that they must apply them to their projects. A new ARL business transformation project has just been initiated.

Where in the Terms of Reference for this project **SHOULD** the need to use these standards be recorded?

- A. Resources.
- B. Authority.
- C. Constraints.
- D. Objectives.

Q4. The project manager has decided to use a PERT estimation approach when estimating the analysis activity on the business transformation project. The estimates vary from **5 days** (optimistic) to **15 days** (pessimistic), and most likely is **7 days**.

What is the PERT estimate on this project?

- A. 14 days.
- B. 9 days.
- C. 8 days.
- D. 7 days.

Q5. ARL has an acknowledged cultural issue, which is that the organisation is highly informal and newer consultants find it difficult to understand what they should do in difficult situations.

The Head of Business Analysis has decided that the adoption of the cultural web will help with this and wants to consider the element at the heart of the cultural web as a first step.

Which element is this?

- A. The stories.
- B. The symbols.
- C. The paradigm.
- D. The power structures.

Scenario 2: List of Requirements to be used for Questions 6-7

The initial requirements list for the ARL Business Transformation Project is shown below.

Requirement number	Description
1	The solution shall respond to a request for a customer contact details within 5 seconds of submitting the request.
2	The solution shall comply with the ARL branding and style guide.
3	The solution shall enable the use of screen reading software.
4	The solution shall record the contract details defined within the contract class on the ARL business transformation class diagram.
5	The solution shall allow registered customers to have access to the ARL standards and templates.
6	The solution shall comply with the ARL Technical Architecture.
7	The solution shall support the customer service capabilities on the ARL Business Capability Map.

Q6. In the requirements list for the ARL Business Transformation Project, which are general requirements?

- A. 1 and 5.
- B. 2 and 7.
- C. 5 and 6.
- D. 3 and 4.

Q7. In the requirements list for the ARL Business Transformation Project, which is an accessibility requirement?

- A. Requirement 1.
- B. Requirement 3.
- C. Requirement 5.
- D. Requirement 6.

Q8. It has also been recommended that ARL's project team make use of Jakob Nielsen's five quality components for defining usability. Which of these is **NOT** one of these components?

- A. Learnability.
- B. Efficiency.
- C. Memorability.
- D. Reliability.

Q9. The Chief Operations Officer for ARL has raised a new requirement for the core application within the business transformation project. He has insisted that the system is accessible 24 hours a day, even though the offices are only open currently between 08:00 and 20:00. His rationale for this request is that this will future-proof the solution, as there have been requests for longer opening hours, which will require longer access to the system.

Which category of non-functional requirement is this?

- A. Robustness.
- B. Availability.
- C. Longevity.
- D. Scalability.

- End of Questions -

Answer Key

Question	Answer
1	B
2	C
3	C
4	C
5	C
6	B
7	B
8	D
9	B