# Exam Preparation Guide

## Module Learning Objectives

- Identify the structure of the exam.
- Indicate the key components of the exam.
- Practice the exam.

## Topics Covered in This Module

1. Qualification Learning Objectives
2. Learning Level of the Syllabus
3. Certification
   - 3.1. Certification Scheme
   - 3.2. Certification Value
4. Exam Instructions
   - 4.1 Exam Format
   - 4.2 Question Formats
   - 4.3 Scoring System
5. Tips for Exam Taking
6. Mock Exam

## 1. QUALIFICATION LEARNING OBJECTIVES

When you have acquired the required knowledge from this course, you will be able to:

- Explain the concepts, terminologies, evolution, and business drivers of AI.
- Explain the fundamentals of Machine Learning.
- Explain the fundamentals of relational databases and the SQL database language.
- Explain the fundamentals of statistics and data visualization.
- Explain the fundamentals of the Python programming language.
- Explain the concepts of Algorithms and Data Structures.
- Discuss the different implementation strategies for Data Structures.

## 2. LEARNING LEVEL OF THE SYLLABUS

The modern version of Bloom's taxonomy of learning is a widely used classification framework for course syllabi and assessments for certification. The taxonomy classifies learning into six ascending levels.

**Level 1—the Knowledge Level**: Exhibit memory of previously learned materials by recalling facts, terms, basic concepts, and answers.

**Level 2—the Comprehension level**: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

**Level 3—the Application level**: Use new knowledge. Solve problems to new situations by applying acquired knowledge, facts, techniques, and rules.

**Level 4—the Analysis level**: Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.

**Level 5—the Evaluation level**: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

**Level 6—the Creation level**: Compile information together by combining elements in a new pattern or proposing alternative solutions.

 

The various concepts of this course are explained at different levels from level 1 to level 4, as listed in the following table.

| CCC AI Foundation Learning Outcomes | | | | |
|---|---|---|---|---|
| | 1. Knowledge | 2. Comprehension | 3. Application | 4. Analysis |
| **Generic Definition from Learning Outcomes** | Know key facts, terms and concepts from the guidance. | Understand the key concepts from the guidance. | Apply the concepts related to the syllabus area for a given situation. | Analyze and distinguish between appropriate and inappropriate use of the method for a given situation. |
| **Qualification Learning Outcomes** | Know key terms, concepts, the technology used, principles, and techniques from the Artificial Intelligence (AI) Foundation course. | Understand the concepts related to the key skills required to work with AI such as databases, statistics, programming, data structures, and algorithms. | | |

The foundation level is expected to provide a fundamental level of proficiency to a candidate. The examinations test this level. The examination format of multiple choice questions will offer a set of four possible answers with only one correct answer.

## 3. CERTIFICATION

**Cloud Credential Council® (CCC)** is the accreditor of this course. The CCC intends to accelerate successful Cloud adoption through training and certification. In line with this, the CCC aims to provide the most comprehensive in-depth Cloud and AI training and certification program in the world. The CCC AI Certification Program is a vendor-neutral certification program in the digital transformation domain. The program has been developed by AI experts that work at leading organizations such as IBM, Microsoft, VMWare, Cisco, EMC, HP, and ING.

### 3.1 Certification Scheme

The CCC certifications are vendor-neutral and provide excellent, vendor-specific Cloud and AI training and certification programs. They also add value to the career development of business and technology professionals, as the certifications are built with experts from leading organizations.

### 3.2 Certification Value

Artificial Intelligence (AI) is an emerging technology and continues to be built on the foundations of big data collection, processing and analysis. CCC's Artificial Intelligence (AI) Foundation is a globally recognized certification for associates. Enhance your career by earning the AI Foundation certification from CCC, globally known as the standard of achievement for associates involved with AI -based solutions.

## 4. EXAM INSTRUCTIONS

### 4.1 Exam Format

| | |
|---|---|
| Prerequisites | It is recommended that you have completed the Artificial Intelligence Foundation training (or its equivalent) from the CCC, and/or that you are conversant with AI concepts and vocabulary. |
| Supervised | Live/Webcam |
| Exam Type | Web-based (Online) |
| Exam Duration | 60 minutes (Additional 15 minutes for non-native English speakers) |
| Number of Questions | 40 Multiple Choice Questions (MCQs) of 1 mark each |
| Pass Score | 65% (Need to earn minimum 26 points or marks out of 40) |
| Open Book | No |

### 4.2 Question Formats

The Foundation qualification examines learning at levels 1 (Knowledge) and 2 (Comprehension). The exam questions will be multiple choice consisting of four options: A, B, C, and D. Out of the four options, only one will be correct.

### 4.3 Scoring System

For multiple-choice questions, the score is based on the correct answer or incorrect answer. For each correct answer, you will get 1 mark (or point), and 0 point for an incorrect answer.

## 5. TIPS FOR EXAM TAKING

In order to successfully take the exam, you are advised to keep the following points in mind:

- Read the questions carefully.
- If you are stuck on a question, you should guess the most likely option, mark the question, and come back to it at the end. This way, you will at least have a guess answer if you run out of time.
- Use theoretical knowledge to answer the questions and select the best option. Eliminate the distracters by using theoretical knowledge and assessment of the information provided.
- When in doubt, you should guess — there is no negative marking.

## 6. MOCK EXAM

To better prepare for your exams, attempt the Mock Exam (or sample paper) included in the courseware.

 