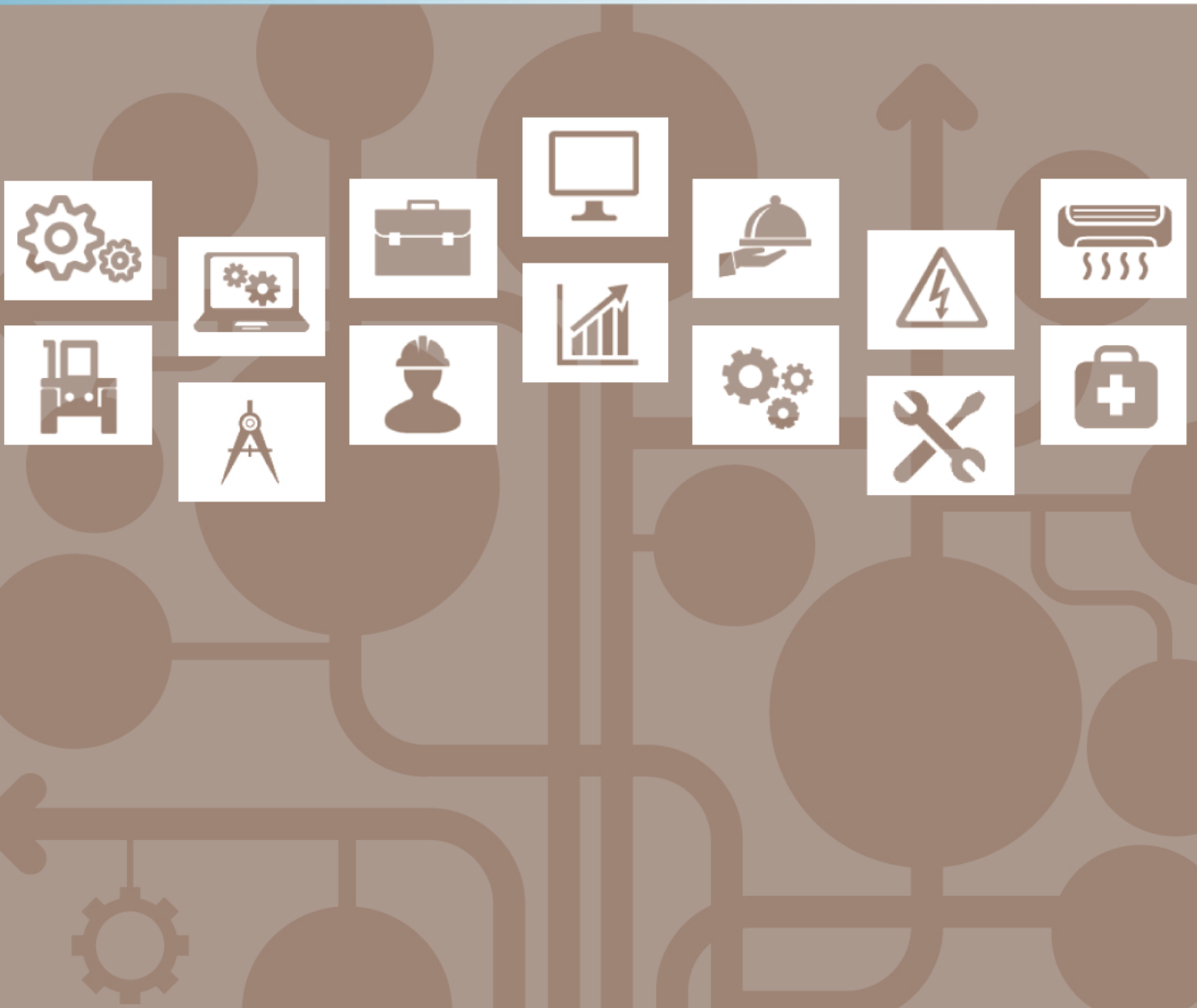




Pathway Assessment Blueprint

Construction



Test Code: 1128 / Version: 01

Specific Competencies and Skills Tested in this Assessment:

General Architecture and Construction Technical Skills

- Create and implement project plans considering available resources and requirements
- Read and interpret blueprints and other technical drawings and documents
- Select and use tools, machinery, and equipment commonly used in design and construction

Construction Technical Skills

- Identify tools and materials needed to complete a construction project
- Demonstrate knowledge of craft and trade skills needed to complete construction projects effectively
- Understand and implement testing and inspection procedures to ensure the successful completion of a construction project

Academic Foundations

- Apply reading skills in an architecture and construction career environment
- Apply writing skills in an architecture and construction career environment
- Apply mathematical skills in an architecture and construction career environment
- Apply science skills in an architecture and construction career environment

Systems

- Examine the relationship of roles and responsibilities between trades/professions to complete a job or project
- Apply industry standards and practices to ensure quality work



Specific Competencies and Skills continued:

Communication

- Locate, organize, and reference written information from reliable sources to communicate with coworkers and clients
- Apply listening skills and interpret verbal and nonverbal behaviors to enhance communication with coworkers and clients
- Interpret and use tables, charts, and graphics to support written and oral communication

Information Technology Applications

- Use word processing, presentation, and email applications to prepare communications
- Use spreadsheet and database applications to manage and communicate data and information

Problem Solving, Critical Thinking, and Decision Making

- Use problem solving and critical thinking skills to locate good sources of information about problems and determine appropriate methods for investigating causes
- Use problem solving and critical thinking skills to determine root causes of problems and suggest solutions

Leadership and Teamwork

- Exhibit leadership practices to improve the quality of work and the work environment
- Work effectively in a team environment to improve the quality of work and the work environment



Specific Competencies and Skills continued:

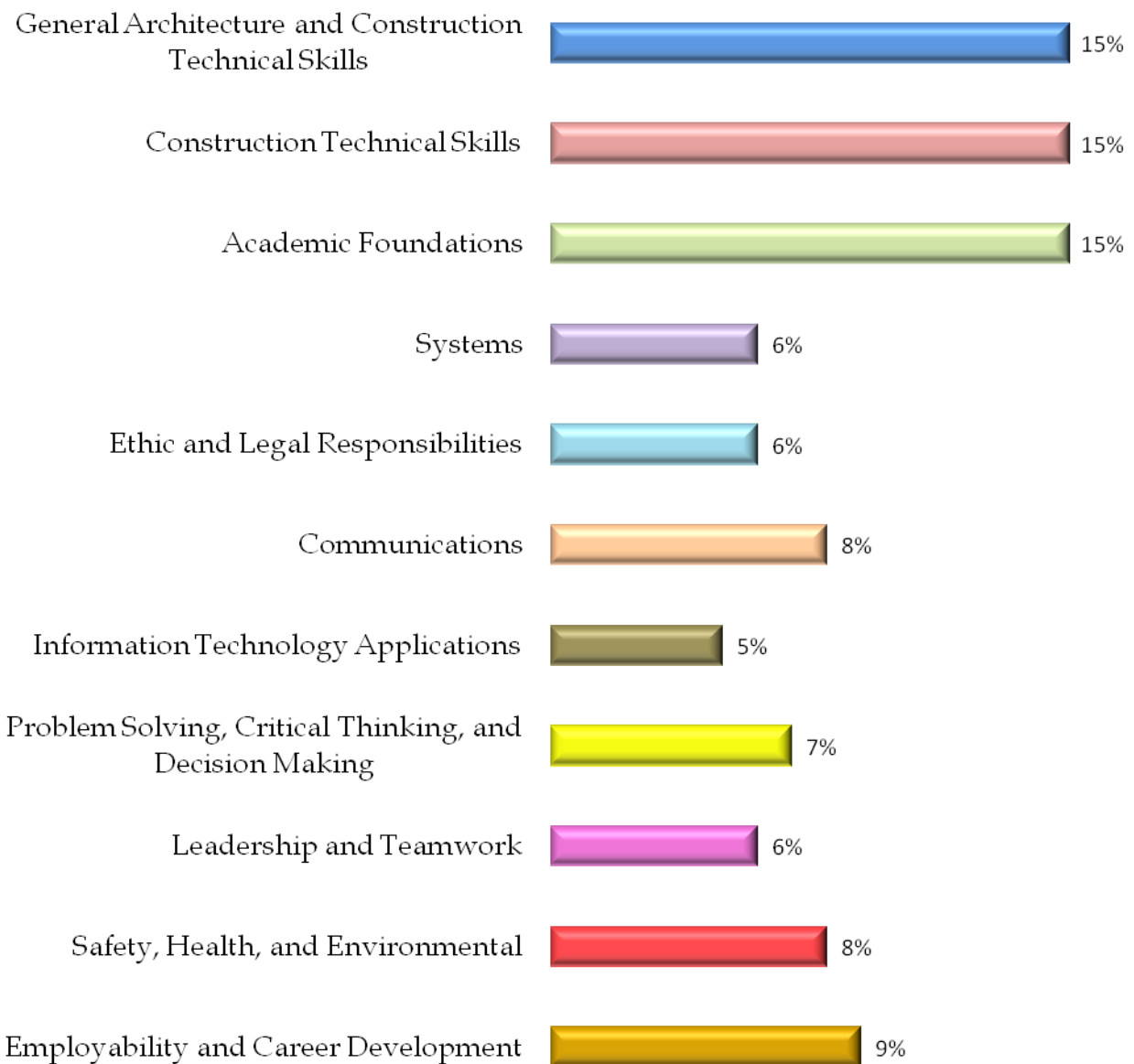
Safety, Health, and Environmental

- Identify and practice appropriate safety and health procedures for architecture and construction occupations
- Demonstrate appropriate emergency and first aid knowledge and procedures for architecture and construction occupations
- Identify and practice appropriate environmental procedures for architecture and construction occupations

Employability and Career Development

- Demonstrate employability skills related to a career in architecture and construction
- Pursue career development skills to advance in architecture and construction careers



Written Assessment:**Administration Time:** 2 hours**Number of Questions:** 97**Areas Covered:**

Sample Questions:

The first step in any scientific experiment involves

- A. identification of the problem
- B. collection of the data
- C. preparation of a conclusion
- D. testing of the solution

An example of body language that conveys interest in what a speaker is saying is

- A. repeatedly gazing over the speaker's shoulder
- B. crossing your arms
- C. stifling a yawn
- D. leaning forward slightly in the chair

A reliable source of career information and networking is

- A. a professional organization
- B. coworkers
- C. friends and family
- D. the Internet

One benefit of teamwork for employees is

- A. less responsibility
- B. higher pay
- C. greater work efficiency
- D. less training is required

Metal gauge (e.g., 20-gauge metal) refers to

- A. thickness
- B. length
- C. weight
- D. density

An email system is provided for employees by employers. The contents of electronic files on company equipment are legally considered property of the

- A. supervisor
- B. employee
- C. public
- D. employer

Sample Questions (continued)

When composing a formal business email, avoid the use of

- A. abbreviations like LOL
- B. descriptive phrases
- C. exclamation points
- D. acronyms like OSHA

The moisture content in lumber needs to be measured because

- A. as moist lumber dries, it will contract
- B. moist lumber is more expensive
- C. the fasteners could rust on moist lumber
- D. moist lumber is easier to handle and store

The material best suited for footings is

- A. brick
- B. concrete
- C. stone
- D. concrete block

Gas lines are pressure tested with

- A. air
- B. water
- C. refrigerant
- D. natural gas