Pathway Assessment Blueprint

Interactive Media

Test Code: 1132 / Version: 01
Specific Competencies and Skills Tested in this Assessment:

**Information Technology Applications Technical Skills**
- Use word processing, presentation software, and email applications to prepare communications
- Use spreadsheet and database applications to manage and communicate data and information
- Identify and select appropriate hardware components associated with information systems
- Identify and select appropriate security practices and applications and network services associated with information systems

**Interactive Media Technical Skills**
- Identify and effectively use tools for interactive media production, development, and project management
- Demonstrate and apply knowledge of web programming, hosting, and e-commerce
- Implement, test, and deliver quality interactive media products
- Perform support functions and hardware selection for interactive media products

**Academic Foundations**
- Apply language arts skills in an IT environment
- Apply writing skills in an IT environment
- Apply mathematics skills in an IT environment
- Apply science skills in an IT environment

**Systems**
- Describe the relationship, roles, and responsibilities among IT professionals
- Analyze the impact on IT based on technological advances (e.g., wireless, SmartPhones, cloud computing)
- Identify standard terminology and basic concepts within IT

**Ethics and Legal Responsibilities**
- Apply appropriate laws, regulations, and industry standards to IT situations
- Identify ethical issues and demonstrate ethical behavior in IT situations
Specific Competencies and Skills continued:

Communications

- Locate, organize, and reference written information
- Utilize listening skills and interpret verbal/nonverbal (body language) behaviors to enhance communication
- Interpret and use tables, charts, and figures to support written and oral communication

Problem Solving, Critical Thinking, and Decision Making

- Locate credible sources of information about problems and determine appropriate methods for investigation causes
- Determine root causes of problems to suggest and evaluate solutions

Leadership and Teamwork

- Apply leadership qualities 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

Safety, Health, and Environmental

- Identify and practice appropriate safety procedures for IT occupations
- Identify and practice appropriate environmental procedures for IT occupations

Employability and Career Development

- Demonstrate appropriate workplace behaviors related to a career in IT
- Pursue career development skills to advance in IT careers
- Demonstrate knowledge of certifications appropriate for careers in IT
Written Assessment:
Administration Time: 2 hours
Number of Questions: 107

Areas Covered:

- Information Technology Applications
  - Technical Skills 15%

- Interactive Media Technical Skills 18%

- Academic Foundations 10%

- Systems 12%

- Ethic and Legal Responsibilities 8%

- Communications 10%

- Problem Solving, Critical Thinking, and Decision Making 6%

- Leadership and Teamwork 5%

- Safety, Health, and Environmental 8%

- Employability and Career Development 8%
Sample Questions:

Fiber optic cable allows _____ waves to propagate down its length from end to end.
A. light  
B. radio  
C. electrical  
D. sonic

A wireless personal area network is based on which of the following technologies?
A. token ring  
B. 802.11b  
C. RFI  
D. Bluetooth®

The NIC is installed into
A. the system board  
B. a port in the modem  
C. the CPU  
D. a CD-ROM drive

When a group is brainstorming possible solutions for a problem, one of the first steps is to
A. only write down correct ideas  
B. criticize all recommendations  
C. discuss and rank each item  
D. record all comments and suggestions

A properly attached wrist strap decreases the chance of
A. RFI  
B. ESP  
C. EMI  
D. ESD

Clock rate is the speed at which the processor
A. operates the memory bus  
B. accesses the memory cache  
C. operates onboard the CPU  
D. measures RAM
Sample Questions (continued)

When a user purchases application software with a single-use license, the user may
   A. copy the software to another CD to be used as a back-up
   B. allow a friend to copy the software onto another computer
   C. allow a co-worker to copy the software onto another computer
   D. copy the software to a network to be distributed

A 1-terabyte hard drive is how much larger than a 500-gigabyte hard drive?
   A. 2 times larger
   B. 5 times larger
   C. 10 times larger
   D. 1,000 times larger

To ensure that an old computer has been disposed of properly, the technician should
   A. call the service department 10 days after the equipment was delivered
   B. ask when the equipment will be processed
   C. request a certificate of completion once the work is done
   D. request a call upon demolition

CompTIA is a non-profit organization involved with
   A. computer operation systems in IT
   B. certifying organizations for IT
   C. comparison of IT products
   D. timing and independent assessment of IT