## Television (Video Production)

### I. Apply the knowledge and skills necessary to describe the production overview.

**Tasks Instructions:**

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<tr>
<td>Describe video production careers</td>
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<td>Explain production overview</td>
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<td>Complete program proposal and treatment for a production</td>
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<td>Explain and define the three production steps, pre-production, production, and post-production stages</td>
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<td>Complete a storyboard for a production</td>
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<td>Define scriptwriting guidelines</td>
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<td>Explain costing out a production</td>
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<td>Define world video standards</td>
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*Safety and infection control are adhered to during all aspects of this task.*

*The student completed task within the time limited.*

**Points earned**

**Total possible points (11)**

### II. Implement the knowledge needed to describe how television works, video quality and color.

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<td>Describe fields and frames</td>
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<td>Define interlaced and progressive scanning</td>
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<td>Describe analog and digital signals</td>
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<td>Describe component and composite video signals</td>
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<td>Demonstrate the use of waveform monitor and vectorscope</td>
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<td>Describe the principles of color</td>
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### III. Apply the knowledge needed to describe and demonstrate lens operation and control.

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<td>Describe the types of lenses</td>
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<td>Define angle and view</td>
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<td>Demonstrate f-stops iris</td>
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<td>Demonstrate control of depth of field</td>
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<td>Illustrate focusing/follow focus/rack focus/macro focus</td>
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<td>Explain the application of filters</td>
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<td>Explain image stabilization</td>
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### IV. Apply the knowledge and skills necessary to describe and demonstrate camera operation and control.

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<tr>
<td>Define video resolution</td>
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<tr>
<td>Describe and demonstrate camera mounts and tripod use</td>
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<tr>
<td>Operate camera pan heads</td>
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<td>Demonstrate basic camera moves (i.e., pan/tilt/truck/pedestal)</td>
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<td>Illustrate black balancing and white balancing</td>
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<tr>
<td>Describe shutter speed</td>
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<td>Demonstrate control of exposure through the use of f-stops</td>
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<td>Explain frame rate</td>
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<td>Demonstrate use of camera viewfinder</td>
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<td>Describe safe area</td>
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*Safety and infection control are adhered to during all aspects of this task.*

*The student completed task within the time limited.*

### Points earned

### Total possible points (12)

### V. Implement the knowledge and skills needed for describing and demonstrating composition.

**Tasks Instructions:**

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<tr>
<td>Describe form vs. content</td>
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*Describe form vs. content*
Demonstrate insert and cutaway shots
Describe static composition
Describe dynamic composition
Define single center of interest
Describe shifting the center of interest
Demonstrate leading the subject
Describe the Rule of Thirds
Define maintaining tonal balance
Define balance of mass
Demonstrate frame central subject matter
Define controlling the number of prime objects

Safety and infection control are adhered to during all aspects of this task.
The student completed task within the time limited.

Points earned
Total possible points (14)

VI. Apply the knowledge and skills needed to describe and demonstrate video lighting.

Tasks Instructions:

Describe hard and soft lighting
Define color temperature
Demonstrate intensity control through varying distance
Identify lighting instruments
Identify attachments to lighting instruments
Demonstrate three point lighting (i.e., key/fill/back light)
Describe lighting ratios
Describe back light intensity
Describe subject-to-background distance
Describe area lighting
Apply the uses of existing (natural) light
Demonstrate drawing of a light plot
Identify lighting controls
Calculate on-location power needs

*Safety and infection control are adhered to during all aspects of this task.*

*The student completed task within the time limited.*

**Points earned**

**Total possible points (16)**

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**VII. Implement the knowledge and skills needed to describe and demonstrate audio.**

**Tasks Instructions:**

Describe the frequency-loudness relationship
Define room acoustics
Differentiate major microphone designs
Describe directional characteristics
Define handheld and personal microphones
Position microphones
Identify audio connectors
Demonstrate positioning of microphone cables
Describe types and uses of wireless microphones
Describe phase cancellation
Describe methods of creating the stereo effect
Describe digital and analog audio
Demonstrate operation of audio mixer controls
Describe issues of using audio from a PA system
Describe production communication systems

*Safety and infection control are adhered to during all aspects of this task.*

*The student completed task within the time limited.*

**Points earned**
**Total possible points (17)**

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**VIII. Apply the knowledge and skills needed to describe and demonstrate video recording media.**

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<tr>
<td>1.</td>
<td>Describe the videotape recording process</td>
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<td>2.</td>
<td>Describe hard drive based recording</td>
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<td>Describe disk-based camcorders</td>
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<td>Define solid state memory storage</td>
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<td>5.</td>
<td>Describe video servers</td>
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<td>Describe consumer video formats</td>
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<td>7.</td>
<td>Define MPEG-2, MPEG-4 and JPEG digital compression</td>
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<td>List professional video formats</td>
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*Safety and infection control are adhered to during all aspects of this task.*

*The student completed task within the time limited.*

**Points earned**
**Total possible points (10)**

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**IX. Apply the knowledge and skills needed to describe and demonstrate video editing.**

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<td>Describe tilting</td>
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<td>Describe character generator</td>
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Safety and infection control are adhered to during all aspects of this task.
The student completed task within the time limited.

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XI. Apply the knowledge and skills needed to describe and demonstrate location production.

Tasks Instructions:

Complete a location survey
Define camera placement
Illustrate microphone placement for on-location audio
Demonstrate on-location lighting techniques
Illustrate on-location production communication
Define multiple-camera production
Define single-camera production
Define film-style dramatic production

Safety and infection control are adhered to during all aspects of this task.

The student completed task within the time limited.

Points earned

Total possible points (10)

Total points earned for all sections (A)

Total possible points for all sections (B) 127

Student/candidate score (divide A/B)