



NSW Education Standards Authority

2021 HIGHER SCHOOL CERTIFICATE EXAMINATION

Entertainment Industry

General Instructions

- Reading time – 5 minutes
- Working time – 2 hours
- Write using black pen
- Calculators approved by NESA may be used
- Write your Centre Number and Student Number at the top of pages 9, 13 and 17

Total marks: 80

Section I – 15 marks (pages 2–5)

- Attempt Questions 1–15
- Allow about 20 minutes for this section

Section II – 35 marks (pages 9–19)

- Attempt Questions 16–21
- Allow about 50 minutes for this section

Section III – 15 marks (page 21)

- Attempt Question 22
- Allow about 25 minutes for this section

Section IV – 15 marks (page 22)

- Attempt Question 23
- Allow about 25 minutes for this section

Section I

15 marks

Attempt Questions 1–15

Allow about 20 minutes for this section

Use the multiple-choice answer sheet for Questions 1–15.

- 1** Sending a lighting invoice is an example of which type of workplace communication?

 - A. Closed
 - B. Open
 - C. Verbal
 - D. Written

- 2** An accident occurs during a rehearsal and a stagehand is injured.

What is the first safety procedure that should be applied?

 - A. Check for breathing
 - B. Call your supervisor
 - C. Check there is no risk to yourself
 - D. Commence mouth-to-mouth resuscitation

- 3** The purpose of a staging brace is to

 - A. hang theatrical drapes.
 - B. provide set decoration.
 - C. secure flown scenic elements.
 - D. support freestanding scenery.

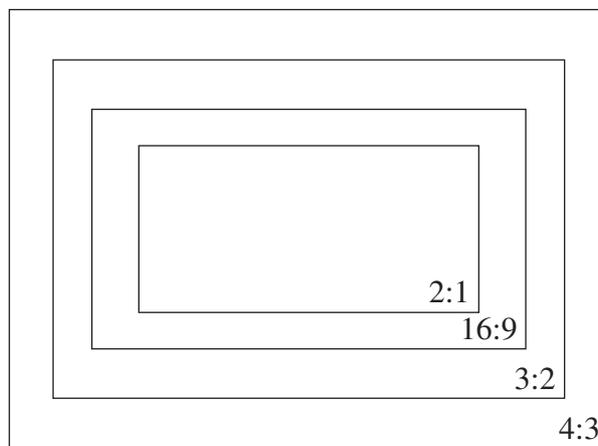
- 4** Which type of microphone requires phantom power?

 - A. Condenser
 - B. Dynamic
 - C. Lavalier
 - D. Wireless

- 5 To improve safety, a venue is proposing to upgrade its lighting bar from fixed to lowerable.

In the risk control hierarchy this is known as

- A. isolation.
 - B. elimination.
 - C. modification.
 - D. administration.
- 6 An image of a data projection function is shown.



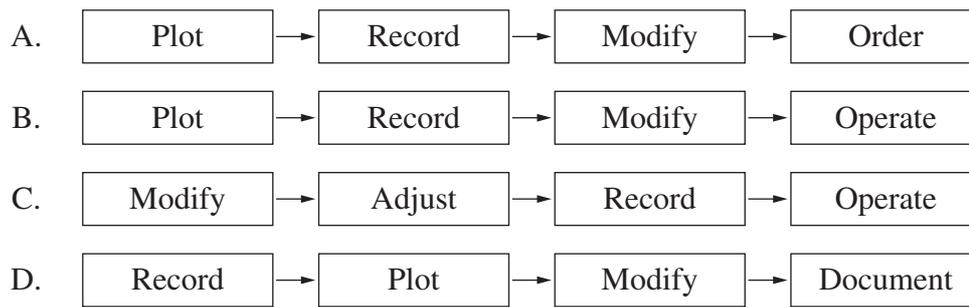
Identify the function shown.

- A. Focus
 - B. Keystone
 - C. Aspect ratio
 - D. Projection distance
- 7 A family arrives at the theatre for an evening performance. However, the usher identifies that their tickets were for the matinee performance earlier that day.

What is the first step the usher should take to best deal with this situation?

- A. Find the family available seats
- B. Speak with the front of house manager
- C. Apologise and ask them to leave the venue
- D. Give them VIP tickets to another show the following week

8 Identify the correct sequence when working with audio cues.



9 In theatrical productions, *masking* usually refers to

- A. flying a backdrop in.
- B. using tape on the stage floor.
- C. wearing PPE while painting props.
- D. concealing the backstage area with scenery.

10 Which piece of equipment is most effective for the sequencing and timing of live vision cues?

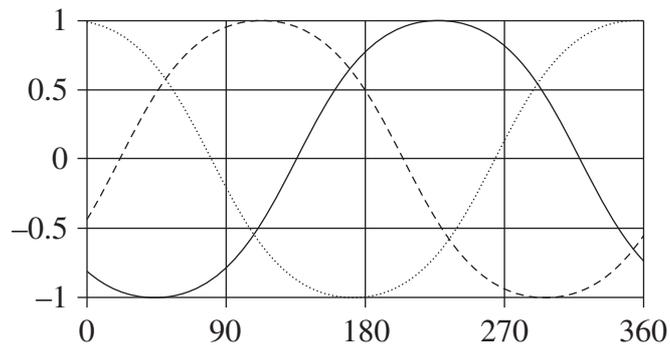
- A. Camera
- B. Monitor
- C. Splitter
- D. Switcher

11 The most useful skill for a front of house manager to have in the resolution of a customer complaint about wheelchair access is

- A. negotiation.
- B. time management.
- C. closed questioning.
- D. developing a rapport.

- 12** Which audio effect, commonly used with electric guitars, increases the gain and boosts an audio signal?
- A. Compression
 - B. Distortion
 - C. Echo
 - D. Padding

- 13** Identify the waveform represented in the diagram.



- A. Sound signal
 - B. Frequency signal
 - C. Three phase power
 - D. Single phase power
- 14** What does DMX stand for?
- A. Digital multiplex
 - B. Digital multiplication
 - C. Digital media extension
 - D. Digital media exchange
- 15** The national minimum wage for Australian entertainment industry employees is regulated by the
- A. Fair Work System.
 - B. Live Performance Award.
 - C. Working with Children Check.
 - D. Anti-discrimination legislation.

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Centre Number

Entertainment Industry

Section II

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Student Number

35 marks

Attempt Questions 16–21

Allow about 50 minutes for this section

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

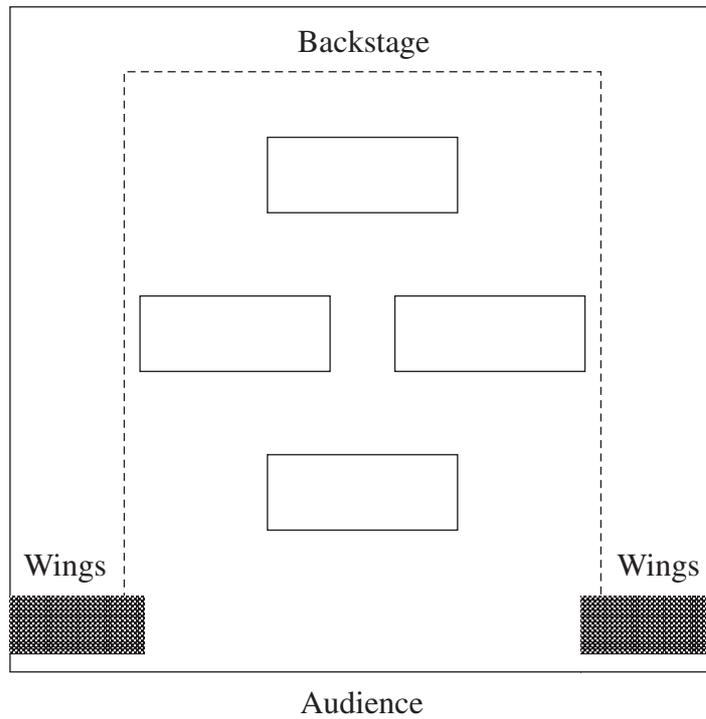
Question 16 (5 marks)

Please turn over

Question 16 (5 marks)

(a) A diagram of a stage is shown.

2



Label the following areas of stage geography in the boxes on the stage diagram shown.

Upstage

Stage Left

Downstage

Stage Right

(b) Describe the safe practices and procedures that should be used when working with weight-bearing scenery.

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Question 17 (10 marks)

(a) Outline the advantages of using electronic methods for recording customer enquiries. **3**

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(b) Describe how communication technology can be used in the initial stages of hiring equipment from an external company. **3**

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(c) Explain how an entertainment industry venue can use formal feedback from customers to improve customer service. **4**

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Centre Number

Entertainment Industry

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Student Number

Section II (continued)

Question 18 (7 marks)

Please turn over

Question 18 (7 marks)

The scenario below is required to answer parts (a) and (b).

The backstage area of a school performance venue includes change rooms, toilet facilities and a storeroom for lighting and sound equipment, set pieces and construction tools. These areas can only be accessed through a narrow hallway behind the stage space and will be crowded with students and teachers during production.

(a) The two safety signs shown below are commonly seen backstage.

2



Identify a specific area where each of these signs might be displayed.

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Question 18 continues on page 15

Question 18 (continued)

(b) A risk assessment matrix is shown.

5

		<i>SEVERITY</i>		
		<i>Minimal effect</i>	<i>Serious effect</i>	<i>Critical effect</i>
LIKELIHOOD	Unlikely	Low (L)	Medium (M)	High (H)
	Possible	Low (L)	Medium (M)	High (H)
	Likely	Medium (M)	High (H)	Extreme (E)

Complete the following risk management table for the TWO activities identified.

<i>Activity</i>	<i>Risk/ hazards</i>	<i>Risk rating</i>	<i>Control measures</i>	<i>Risk rating</i>
Students moving through the hallway and backstage spaces in low light.				
Some students using the storeroom as a change room during the performance.				

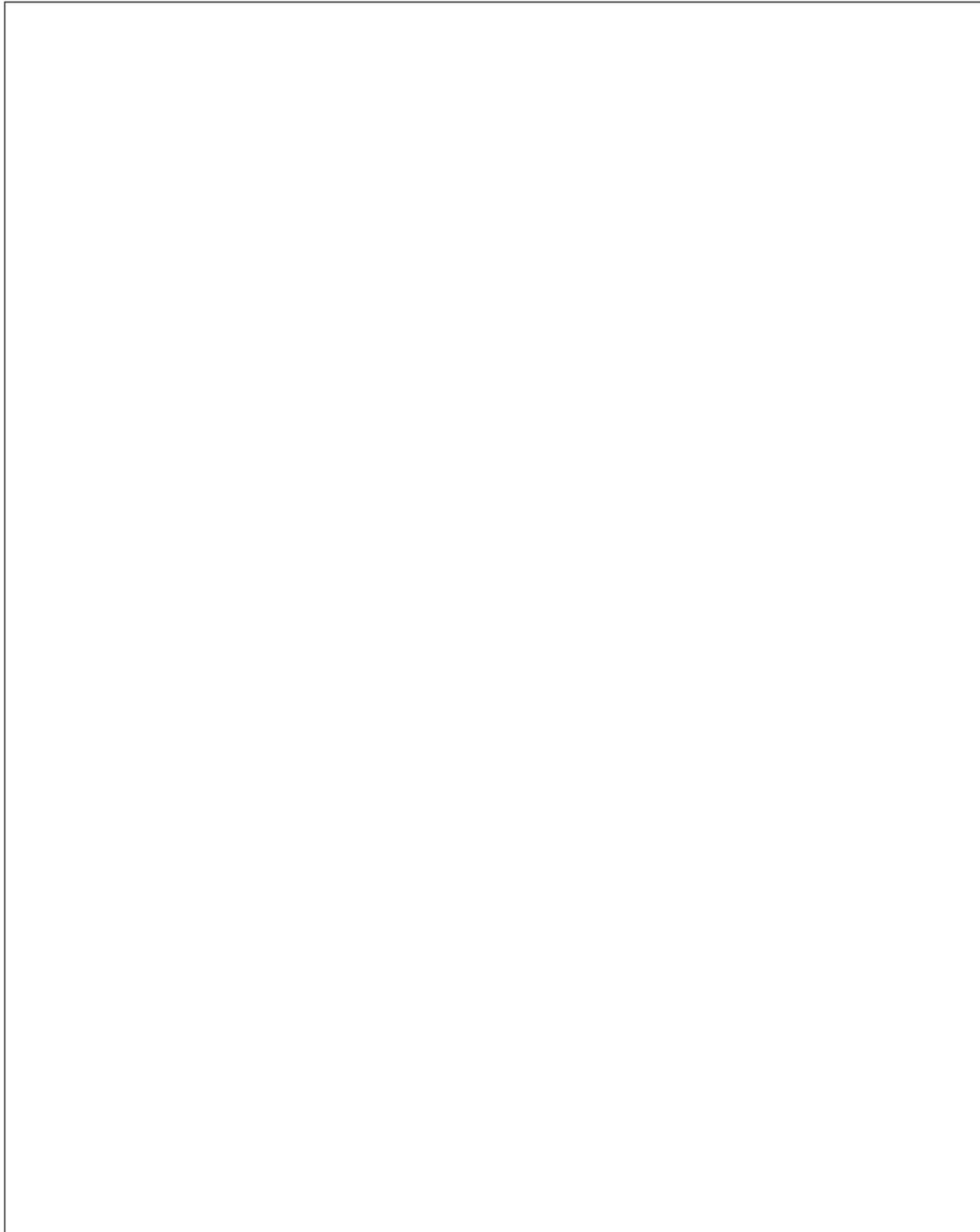
End of Question 18

Question 19 (5 marks)

A school is planning to live stream their end of year presentation assembly online. This will include a live camera feed, pre-recorded video material and a PowerPoint presentation. All content will be included in the live stream and projected onto a large screen in the auditorium.

5

Draw a diagram of a vision system plan for this event. Your diagram should include all equipment required, cabling, and signal flow.



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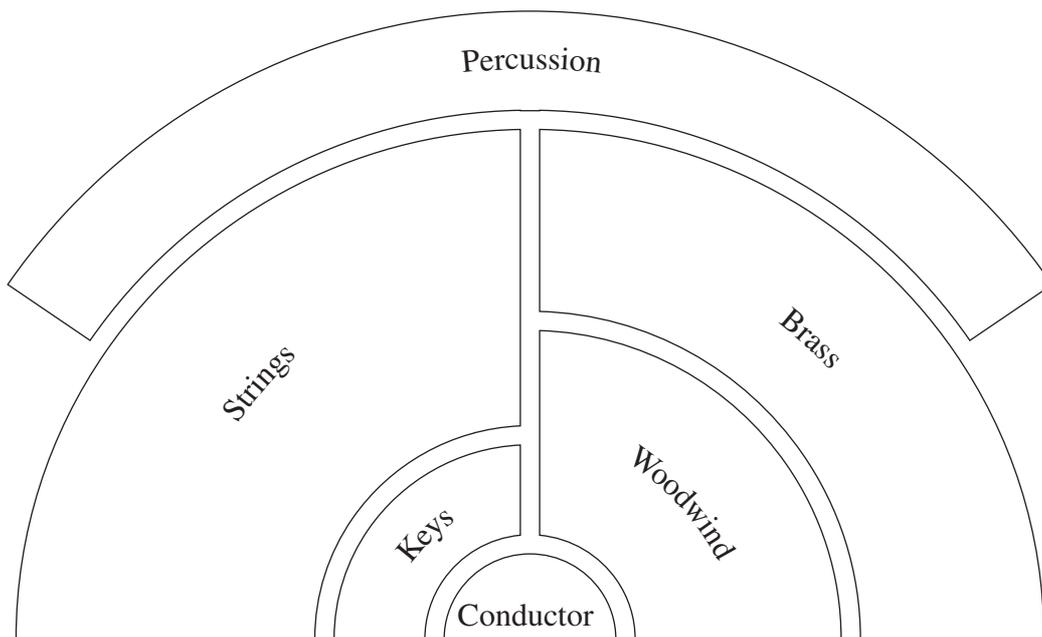
Student Number

Section II (continued)

Question 20 (4 marks)

(a) The diagram shows the sections of an orchestra.

2



Describe an orchestra's lighting requirements.

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Question 20 continues on page 18

Question 20 (continued)

(b) An audio input list is shown.

2

<i>Orchestra section</i>	<i>Input channels</i>	<i>Output channels (foldback/monitor)</i>
Conductor		1
Keys	1–2	2–3
Strings	3–10	4–5
Woodwind	11–21	6–7
Brass	22–30	8–9
Percussion	31–39	10–12

Outline the process of adjusting the audio signal to the conductor's in-ear monitors for the woodwind and percussion sections.

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End of Question 20

Question 21 (4 marks)

Compare the features of analogue and digital lighting systems.

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Entertainment Industry

Section III

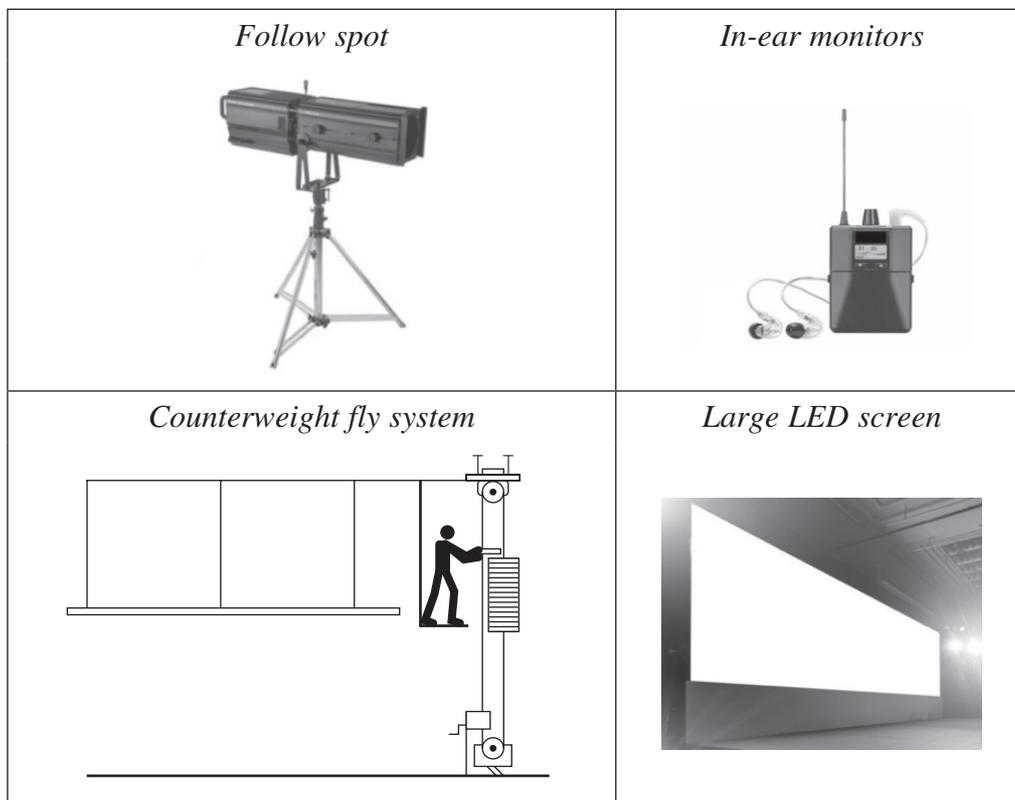
15 marks

Attempt Question 22

Allow about 25 minutes for this section

Answer part (a) of the question in a writing booklet. Answer part (b) of the question in a SEPARATE writing booklet. Extra writing booklets are available.

Question 22 (15 marks)



Answer part (a) of the question in a writing booklet.

- (a) Describe the safety considerations for TWO pieces of equipment shown above. **5**

Answer part (b) of the question in a SEPARATE writing booklet.

- (b) Explain how ALL the technical pieces of production equipment shown above would be used in EITHER a musical theatre production OR a live music concert. **10**

Please turn over

Section IV

15 marks

Attempt Question 23

Allow about 25 minutes for this section

Answer the question in a SEPARATE writing booklet. Extra writing booklets are available.

Your answer will be assessed on how well you:

- demonstrate knowledge and understanding relevant to the question
 - communicate ideas and information using relevant workplace examples and industry terminology
 - present a logical and cohesive response
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Question 23 (15 marks)

An international health scare has caused indefinite widespread venue closures within the entertainment industry.

Recommend strategies that could be used to overcome the specific challenges that this health scare might present to employers, employees and venues.

End of paper