

Entertainment Industry

**General
Instructions**

- Reading time – 5 minutes
- Working time – 2 hours
- Write using black pen
- NESA approved calculators may be used
- Write your Centre Number and Student Number at the top of pages 9, 11 and 13

**Total marks:
80**

Section I – 15 marks (pages 2–6)

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

Section II – 35 marks (pages 9–15)

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

Section III – 15 marks (page 17)

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

Section IV – 15 marks (page 18)

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

Section I

15 marks

Attempt Questions 1–15

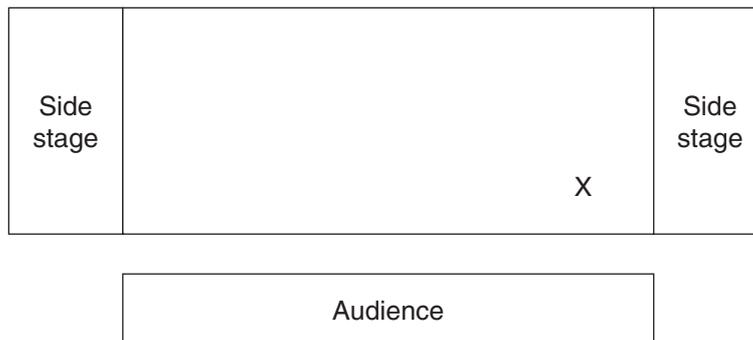
Allow about 20 minutes for this section

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

1 What is the common name for the ‘General Construction Induction’ card?

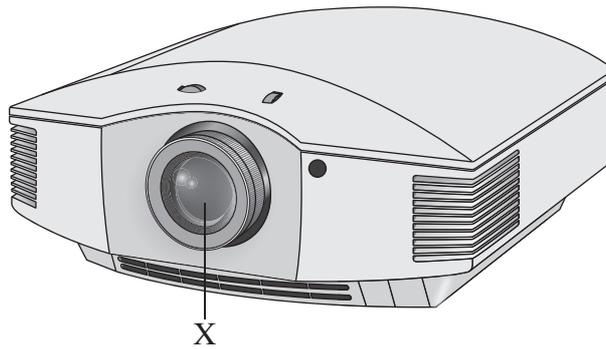
- A. Blue card
- B. Green card
- C. White card
- D. Yellow card

2 In the following diagram, which position on the stage is labelled X?



- A. Upstage prompt side (PS)
- B. Downstage prompt side (PS)
- C. Upstage opposite prompt (OP)
- D. Downstage opposite prompt (OP)

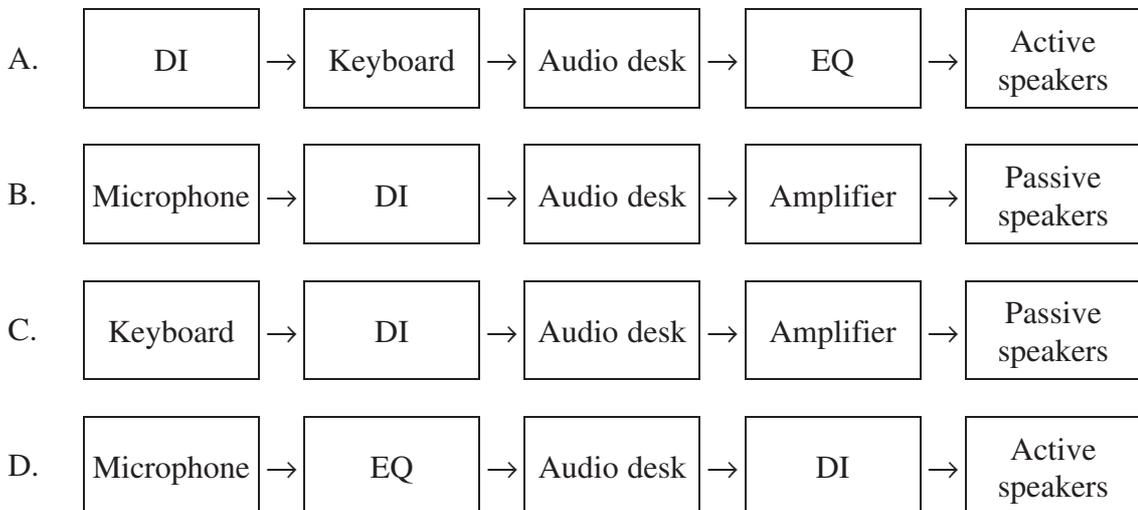
3 A projector is shown.



What is the part labelled X on the projector?

- A. Fan
 - B. Lamp
 - C. Lens
 - D. Power supply
- 4 Which of the following indicates mandatory compliance on a work health and safety (WHS) sign?
- A. Red circle with a diagonal line
 - B. Blue circle with a white symbol
 - C. Green square with a white symbol
 - D. Yellow triangle with a black symbol

5 Which signal flow diagram will provide the best quality audio signal?



6 A new type of stage paint is delivered to a venue.

Which of the following would be used to check the hazard rating for this product?

- A. Safety Data Sheet
- B. Job Safety Analysis
- C. Safe Work Method Statement
- D. *Work Health and Safety Act 2011* (NSW)

7 Which of the following shows the correct order of steps when entering a contractual relationship?

- A. Establish, negotiate, document, maintain
- B. Document, establish, maintain, negotiate
- C. Document, negotiate, establish, maintain
- D. Negotiate, document, establish, maintain

8 A live, roving camera vision feed is required to move through the audience.

What is the best way to ensure that the camera cable does not cause trip hazards?

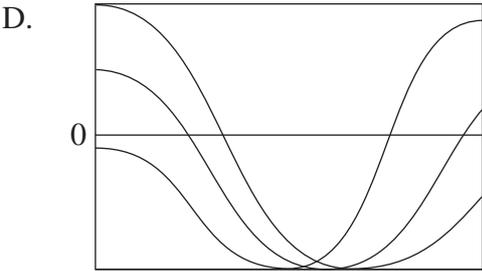
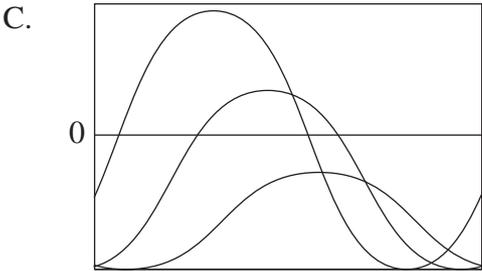
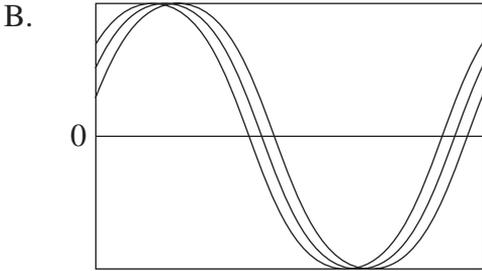
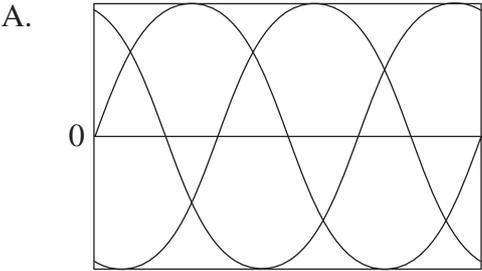
- A. Use cable trays
- B. Employ a cable assistant
- C. Tape the entire cable down
- D. Allocate the camera to a fixed position

9 Which of the following is the most effective communication method for production personnel at an outdoor event?

- A. Megaphones
- B. Two-way radios
- C. Public address system
- D. Wired headset communication system

- 10** What is the measurement between a lantern and the stage known as?
- A. Beam angle
 - B. Lantern spread
 - C. Throw distance
 - D. Lantern intensity
- 11** At which level can an audio signal present an electrical hazard?
- A. Mic level
 - B. Line level
 - C. Preamp level
 - D. Speaker level
- 12** Who would access a hearing induction loop during a performance?
- A. Stage manager
 - B. Audio operator
 - C. Front of house manager
 - D. Audience members with special needs
- 13** What Sound Pressure Level (SPL) would an audio operator expect from a heavy rock band?
- A. 60–75 dB
 - B. 80–110 dB
 - C. 120–140 dB
 - D. 150–170 dB
- 14** During a technical rehearsal, a large fixed set piece obscures the operator's line-of-sight while operating a counter-weight fly system.
- What is the best solution?
- A. Move the set piece
 - B. Move the fly operator to another location
 - C. Clearly mark fly positions on the hand lines
 - D. Assign a crew member to provide visual information

15 Which of the following diagrams represents three-phase power?



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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 (6 marks)

- (a) Outline the differences between a cyclorama and a scrim. **2**

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- (b) Describe the safe work procedures and practices relating to the installation of scenic elements above the stage. **4**

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Question 17 (6 marks)

- (a) Identify the specific equipment required to send a signal from a radio microphone to an audio mixing console. **2**

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- (b) Describe the functions of the pre-fade and post-fade auxiliary channels on an audio mixing console. **4**

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Centre Number

Entertainment Industry

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Student Number

Section II (continued)

Question 18 (5 marks)

Arguments are occurring backstage during the technical rehearsal of a school musical because different members of the crew have been given conflicting instructions by different people.

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Describe the strategies that the crew can use to manage this situation effectively.

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Question 19 (6 marks)

- (a) Describe the work health and safety consultation process a Person Conducting a Business or Undertaking (PCBU) is required to follow. **3**

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- (b) A lighting technician has noticed a lighting fixture has tripped a circuit breaker and the insulation on the power cable has melted. **3**

Describe the safe work procedures that the lighting technician should follow in this situation.

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Centre Number

Entertainment Industry

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Student Number

Section II (continued)

Question 20 (7 marks)

Please turn over

Question 20 (7 marks)

Refer to the following image to answer Question 20.



© Terry Tedstone

- (a) Outline the benefits of using vision technology instead of the scenic elements shown in the image. **3**

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- (b) Describe the technical requirements of replacing the scenic elements shown with vision technology. Use terminology specific to vision technology in your response. **4**

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Question 21 (5 marks)

(a) Explain how different lantern accessories can be used to change the shape of a light beam. **2**

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(b) Explain how the internal components of a lighting fixture affect the focus of the light beam. **3**

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Entertainment Industry

Section III

15 marks

Attempt Question 22

Allow about 25 minutes for this section

Answer this question in a writing booklet. Extra writing booklets are available.

Question 22 (15 marks)

A community Carols by Candlelight picnic event is being held in the local sports ground.

- (a) Describe the information required for the planning and control of possible incident, accident and emergency situations during this event. **7**
- (b) Complaints were received after a previous similar event regarding overcrowding, a lack of facilities, unruly patrons and late-arriving audience members blocking walkways with picnic rugs. **8**

Explain the strategies event volunteers and crew should implement to ensure the efficient running of this year's event.

Please turn over

Section IV

15 marks

Attempt Question 23

Allow about 25 minutes for this section

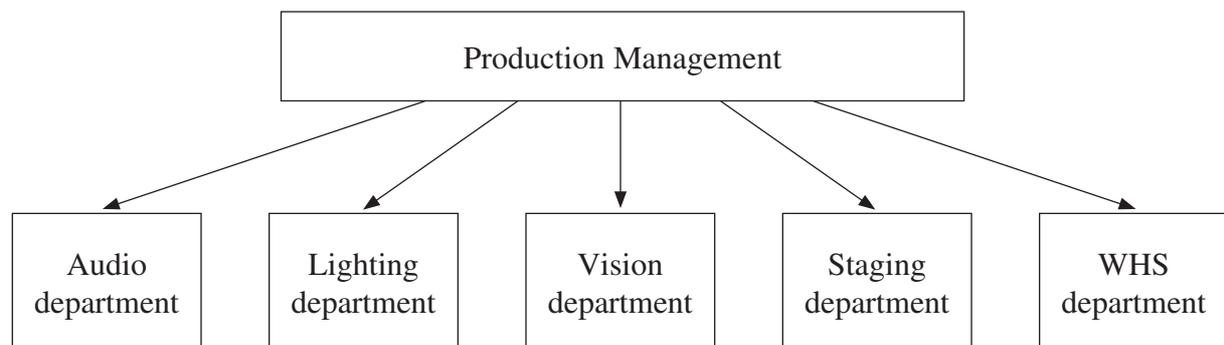
Answer the question in a SEPARATE writing booklet. Extra writing booklets are available.

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)

The department structure for a new regional performing arts centre is shown.



Explain the responsibilities of at least ONE department and its relationship with production management to ensure the effective and efficient functioning of the performing arts centre.

End of paper