

Mod 5

2marks

1. Identify which conclusion logically follows from the given statement with proper justification to your answer.

Statement:

- All letters are envelopes.
- No envelope is post office.
- Some post offices are post men.

Conclusions:

- I. Some postmen are letters.
II. No postman is letter.

Answer:

D. If neither conclusion I nor II follows

Justification:

- From "All letters are envelopes" and "No envelope is post office," we derive "No letter is post office."
- "Some post offices are post men" does not establish a direct relationship between postmen and letters.
- Neither conclusion I nor II can be logically inferred from the given statements.

2. Identify the correct answer and justify your argument.

Statements:

- I. Heavy rains were reported in several parts of the city.
II. The traffic was severely affected.

Question: What is the relationship between the two statements?

Answer:

A) Statement I is the cause and Statement II is its effect

Justification:

Heavy rains (Statement I) are a plausible cause for severe traffic disruption (Statement II). While other factors could also affect traffic, the direct causal relationship between rain and traffic issues is logical.

3. Identify which conclusion logically follows from the given statement with proper justification to your answer.

Statements:

- Some musicians are singers.
- All singers are performers.

Conclusions:

- I. Some musicians are performers.
- II. All musicians are performers.

Answer:

A. Only conclusion I follows

Justification:

- "Some musicians are singers" and "All singers are performers" lead to "Some musicians are performers" (Conclusion I).
 - "All musicians are performers" (Conclusion II) is an overgeneralization and cannot be logically inferred.
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4. Identify which conclusion can be logically inferred from the given statement and justify your argument.

Statement:

"Government should ban the use of plastic bags to save the environment."

Conclusions:

- I. Plastic bags are a major threat to the environment.
- II. People will stop using plastic bags once they are banned.

Answer:**A) Only conclusion I follows****Justification:**

- The statement implies plastic bags harm the environment, supporting Conclusion I.
 - Conclusion II assumes people will comply with the ban, which is not explicitly stated or guaranteed.
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5. Complete the analogy.**Analogies:**

1. Manuscript : Publication :: Blueprint : ?

A. Construction

Justification: A manuscript is used for publication, and a blueprint is used for construction.

2. Insomnia : Sleep :: Amnesia : ?

A. Memory

Justification: Insomnia relates to the inability to sleep, and amnesia relates to the loss of memory.

6. Read the statement carefully and choose the most appropriate conclusion that logically follows from it.

Statement:

"Many graduates are not employable despite holding degrees."

Conclusions:

- I. Degrees do not guarantee job readiness.
II. Higher education institutions fail to provide practical skills.

Answer:

A. Only conclusion I follows

Justification:

The statement directly supports that degrees do not ensure employability (Conclusion I). While Conclusion II is plausible, it is not explicitly stated in the given information.

7. What is a word analogy? How is it used to test reasoning ability?**Answer:**

A word analogy tests the ability to identify relationships between pairs of words. It assesses logical reasoning by requiring test-takers to recognize similarities, differences, or functional relationships (e.g., "Manuscript is to Publication as Blueprint is to Construction"). This evaluates critical thinking and pattern recognition.

8. Identify which conclusion logically follows from the given statement with proper justification to your answer.**Statements:**

- All smartphones are devices.
- No device is weightless.

Conclusions:

- I. No smartphone is weightless.
II. All weightless things are smartphones.

Answer:

A. Only Conclusion I follows

Justification:

- "All smartphones are devices" and "No device is weightless" lead to "No smartphone is weightless" (Conclusion I).
- Conclusion II is illogical and does not follow from the given statements.

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9. Read the statement carefully and choose the most appropriate conclusion that logically follows from it.

Statement:

"India's literacy rate has grown steadily in the last two decades."

Conclusions:

- I. More people in India are becoming educated.
- II. The quality of education has improved.

Answer:

Only Conclusion I follows

Justification:

The statement explicitly mentions that the literacy rate has increased, which directly implies that more people are becoming educated (Conclusion I). However, the statement does not provide any information about the quality of education, making Conclusion II an unsupported assumption.

10. Choose the correct option that best completes the analogy.

Analogies:

1. **Battery** : **Charge** :: **Car** : **?**
Answer: a) **Fuel**

Justification: A battery provides charge, and a car requires fuel to operate.

2. **Soap** : **Clean** :: **Blanket** : **?**

Answer: a) **Cover**

Justification: Soap is used for cleaning, and a blanket is used for covering.

11. Rearrange the following 6 sentences to form a logical paragraph. Justify your order.

Sentences:

- A. Many believe this technology can replace teachers.
- B. Artificial Intelligence is rapidly entering the education sector.
- C. AI tools can personalize learning based on students' pace and performance.
- D. However, critics argue that emotional intelligence and mentorship cannot be replicated.
- E. Schools are experimenting with AI-powered virtual tutors.
- F. Therefore, AI may assist but not fully replace educators.

Correct Order: B, E, C, A, D, F

Justification:

- **B** introduces the topic of AI in education.
 - **E** provides an example of AI application in schools.
 - **C** explains the functionality of AI tools.
 - **A** presents the belief that AI could replace teachers.
 - **D** introduces criticism about AI's limitations.
 - **F** concludes that AI can assist but not fully replace educators.
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12. Reorder and explain your reasoning.

Sentences:

- A. Ethical concerns about AI range from job loss to privacy violations.
- B. This creates a debate between innovation and moral responsibility.
- C. AI continues to expand in almost every sector—healthcare, education, and law.
- D. However, unchecked advancement can have unintended consequences.
- E. As its capabilities grow, so does its impact on society.

Correct Order: C, E, A, D, B

Justification:

- **C** introduces AI's expansion across sectors.
- **E** links AI's growth to societal impact.
- **A** highlights ethical concerns.
- **D** warns about unchecked advancement.
- **B** concludes with the debate between innovation and responsibility.

13. Read the paragraph carefully and select the most appropriate conclusion(s).

Paragraph:

"Despite record-breaking box office sales, critics argue that most mainstream films lack originality and rely heavily on visual effects and predictable plots. Independent cinema, although less commercially successful, is praised for its innovative storytelling and bold themes."

Conclusions:

- I. Audiences only watch movies with strong visual effects.
- II. Independent films are often more creative than mainstream ones.
- III. Mainstream cinema is losing its originality.
- IV. Visual effects always lead to box office success.

Answer: B. Only II follows

Justification:

- **II** is supported by the paragraph's praise for independent cinema's creativity.
 - **I** and **IV** are overgeneralizations not explicitly stated.
 - **III** is implied but not directly stated.
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14. What is the difference between a strong conclusion and a weak conclusion?

Answer:

A **strong conclusion** is directly supported by evidence or logical reasoning from the given statements. It avoids overgeneralizations and assumptions. A **weak conclusion**, however, relies on assumptions, leaps in logic, or unsupported claims. For example, stating that "India's literacy rate has grown" leading to "more people are educated" is strong, while claiming it improves education quality without evidence is weak.

15. Explain the logical structure of a well-ordered paragraph. What role do transition words and connectors play in rearranging jumbled sentences?

Answer:

A well-ordered paragraph has:

1. **Topic Sentence:** Introduces the main idea.
2. **Supporting Sentences:** Provide evidence or examples.
3. **Concluding Sentence:** Summarizes or reinforces the main idea.

Transition Words/Connectors:

- **Introduce:** "First," "For example," "Moreover."
- **Contrast:** "However," "Nevertheless."

- **Conclude:** "Therefore," "In conclusion."

These words guide the reader through the logical flow, making it easier to rearrange jumbled sentences by identifying relationships between ideas.

16. Complete the following analogies and explain the relationship in each pair.

Analogies:

a) **Telescope** : **Astronomer** :: **Microscope** : ?

Answer: Scientist

Relationship: A telescope is a tool used by an astronomer; a microscope is a tool used by a scientist.

b) **Oxygen** : **Respiration** :: **Fuel** : ?

Answer: Combustion

Relationship: Oxygen is essential for respiration; fuel is essential for combustion.

c) **Author** : **Book** :: **Composer** : ?

Answer: Music

Relationship: An author writes a book; a composer creates music.

17. Rearrange the following 8 sentences to form a logically coherent paragraph. Write the correct sequence.

Sentences:

A. Books invite readers to use imagination, creating personal interpretations of scenes and characters.

B. With streaming services booming, people are consuming more visual content than ever.

C. However, critics argue that visual content limits personal imagination by presenting everything explicitly.

D. Reading, in contrast, demands a more active engagement from the brain.

E. Films and series offer quick entertainment but often compromise on depth.
F. The debate between reading and watching continues to divide content lovers.
G. While both mediums have their strengths, reading fosters cognitive growth and creativity.
H. This contrast highlights why reading is still considered intellectually superior by many.

Correct Order: B, E, C, D, A, F, G, H

Justification:

- **B** introduces the rise of visual content.
 - **E** contrasts visual content with depth.
 - **C** criticizes visual content's impact on imagination.
 - **D** shifts to reading's engagement.
 - **A** explains reading's imaginative benefits.
 - **F** acknowledges the ongoing debate.
 - **G** and **H** conclude by praising reading's cognitive benefits.
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18. Read the paragraph and classify each statement as a fact or an opinion.

Paragraph:

"The government claims that the new infrastructure project will boost the economy. Many believe it's just a political move before elections. The project is expected to generate over 50,000 jobs during its first phase."

Statements:

1. "The government claims that the new infrastructure project will boost the economy."
 - **Fact:** It reports a claim made by the government.
2. "Many believe it's just a political move before elections."

- **Opinion:** Reflects a subjective belief about the project's motives.
3. "The project is expected to generate over 50,000 jobs during its first phase."
- **Fact:** Provides a specific, measurable projection.
-

19. Read the paragraph and classify each statement as a fact or an opinion.

Paragraph:

"The government claims that the new infrastructure project will boost the economy. Many believe it's just a political move before elections. The project is expected to generate over 50,000 jobs during its first phase."

Statements:

1. "The government claims that the new infrastructure project will boost the economy."
 - **Fact:** Reports a claim made by the government.
 2. "Many believe it's just a political move before elections."
 - **Opinion:** Subjective interpretation of the project's purpose.
 3. "The project is expected to generate over 50,000 jobs during its first phase."
 - **Fact:** Provides a specific, quantifiable outcome.
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20. Read the paragraph carefully, select the most appropriate conclusion(s), and justify your answer.

Paragraph:

"With the rapid growth of digital payments, concerns over data privacy have increased. Many consumers are unaware of how their personal information is

stored or used. Experts argue that stronger data protection laws are essential to ensure safe digital transactions."

Conclusions:

- I. The popularity of digital payments has led to greater financial security.
- II. Consumer awareness about data usage is relatively low.
- III. Legal safeguards can improve digital payment safety.
- IV. Digital payments should be discouraged until data laws are enforced.

Answer: B. Only II follows

Justification:

- **II** is directly supported by the statement that "many consumers are unaware."
- **I** is contradicted by the paragraph's focus on privacy concerns.
- **III** is plausible but not explicitly stated.
- **IV** is an extreme conclusion not supported by the text.