

## III. How to Justify Multiple-Choice Answers Logically

### What Are Multiple-Choice Questions (MCQs)?

- Questions with several answer options.
- Only one (or sometimes more) correct option.
- Require understanding, analysis, and reasoning to choose the best answer.

### Steps to Answer and Justify MCQs

#### 1 Read the Question Carefully

- Identify what is being asked.
- Pay attention to keywords like *always*, *never*, *most*, *least*.

#### 2 Read All Options Thoroughly

- Even if one seems correct, read all choices before deciding.

#### 3 Eliminate Wrong Options

- Rule out options that are clearly incorrect.

#### 4 Select the Best Possible Answer

- Choose the option that fully satisfies the question requirement.

#### 5 Justify Logically

- Give a reason why your chosen answer is correct.
- Explain why other options are incorrect.

### Example:

#### Question:

Which of the following is a renewable source of energy?

- a) Coal
- b) Solar power
- c) Petroleum
- d) Natural gas

**Correct Answer:** b) Solar power

**Justification:**

- **Solar power** is renewable because it comes from sunlight, which is naturally replenished every day.
- **Coal, petroleum, and natural gas** are fossil fuels formed over millions of years and once used, they cannot be replaced in a short time — making them non-renewable.

Hence, **b) Solar power** is the logically correct choice.

**Quick Tips for Justifying Answers:**

- \* Use facts and definitions.
- \* Refer to concepts or rules learned.
- \* Compare options logically.
- \* Rule out distractors (options meant to confuse).
- \* Keep explanations clear and precise.

**Conclusion:**

To excel in multiple-choice questions:

- Read carefully.
  - Think critically.
  - Use logical reasoning for your choice.
  - Always be ready to explain **why your answer is correct** and **why others are not**.
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