

FREE PRACTICE PACK · EDITION 1

Class 10 General Knowledge Olympiad practice

16 original questions + explained answers

For students preparing for SOF IGKO.

Inside this pack

Eight topic-practice questions and an eight-question, 25-minute mini-mock.

Topics selected for practice

- India
- World systems
- Science
- Environment
- Ethics and reasoning

How to use it

Try the practice first. Complete the mini-mock in one sitting. Check the explanations, mark mistakes, and retry them the next day.

This pack covers selected topics. It is original BodhiScore material, independent of SOF, and is not an official paper or a full-length exam. Check the official syllabus for the complete scope.

Topic practice

Work through these eight questions without a timer. Explain your choice before checking the solutions.

1. India

Which constitutional article protects equality before law in India?

A. Article 32

B. Article 14

C. Article 19

D. Article 21A

2. World systems

What is the main role of the International Court of Justice?

A. Controls trade prices

B. Manages airports

C. Settles legal disputes between states

D. Runs elections

3. Science

What does the second law of thermodynamics imply about isolated systems?

A. Temperature is fixed

B. Entropy tends to increase

C. Energy is created

D. Mass disappears

Topic practice (continued)

4. Environment

What is circular economy design intended to do?

- | | |
|-----------------------------|---------------------------------|
| A. Increase landfill | B. Use once then discard |
| C. End all trade | D. Keep materials in use |
-

5. India

Which institution recommends how central taxes are shared with states?

- | | |
|-------------------------|------------------------------|
| A. RBI | B. Finance Commission |
| C. Supreme Court | D. UPSC |
-

6. Science

Which process directly converts light energy into electrical energy in a solar cell?

- | | |
|-------------------------------|------------------------|
| A. Conduction | B. Refraction |
| C. Photovoltaic effect | D. Electrolysis |
-

7. World systems

What is a refugee under international law broadly seeking?

- | | |
|--|-------------------------------|
| A. A trade licence | B. A sports award |
| C. Protection outside their country | D. A tourist visa only |
-

Topic practice (continued)

8. Ethics and reasoning

What is a conflict of interest?

- A.** Personal interest may affect duty
 - B.** Two people disagree
 - C.** A court hearing
 - D.** A debate format
-

Timed mini-mock

Set a 25-minute timer for these eight questions. Score 1 point per correct answer; there is no penalty for an incorrect answer. This is BodhiScore's practice scoring.

9. Environment

Why is life-cycle assessment useful for a product?

- A.** It measures only price
 - B.** It predicts fashion
 - C.** It replaces safety tests
 - D.** It examines impacts from production to disposal
-

10. India

What does the Right to Information Act primarily enable?

- | | |
|--|---------------------------------|
| A. Access to public authority information | B. Free internet for all |
| C. Private data access | D. Automatic voting |
-

11. Science

Why can a catalyst speed a reaction without being consumed?

- | | |
|--|------------------------------------|
| A. It provides a lower-energy pathway | B. It adds permanent energy |
| C. It changes products | D. It stops collisions |
-

Timed mini-mock (continued)

12. World systems

What is purchasing-power parity used to compare?

- A.** Relative buying power of currencies
 - B.** Ocean depths
 - C.** Election turnout
 - D.** Internet speed
-

13. Ethics and reasoning

A graph shows a rise from 1 to 2 and calls it a '100% surge'. What is the best response?

- A.** Reject all graphs
 - B.** Check absolute numbers too
 - C.** Assume a crisis
 - D.** Ignore the scale
-

14. Life skills

A team is deciding whether to publish student data. What must it consider first?

- A.** Catchy colours
 - B.** Fastest upload
 - C.** Most likes
 - D.** Consent and privacy
-

Timed mini-mock (continued)

15. Environment

A policy cuts emissions but shifts polluting factories to another country. What problem may remain?

- A.** Pollution is solved
 - B.** Energy vanishes
 - C.** Trade stops
 - D.** Emissions are displaced
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16. Science

A study finds correlation between two variables. What cannot be concluded without further evidence?

- A.** That variables changed
 - B.** That a graph exists
 - C.** That one causes the other
 - D.** That data were collected
-

Answers and explanations

Check why the answer works, then retry any question you missed.

1. B - Article 14

Article 14 guarantees equality before law and equal legal protection.

2. C - Settles legal disputes between states

The ICJ decides legal disputes between states under international law.

3. B - Entropy tends to increase

For an isolated system, total entropy tends not to decrease.

4. D - Keep materials in use

It aims to reuse, repair, and recover materials for longer.

5. B - Finance Commission

The Finance Commission recommends financial distribution between Union and states.

6. C - Photovoltaic effect

The photovoltaic effect produces electric current from absorbed light.

7. C - Protection outside their country

Refugees seek protection after fleeing serious danger or persecution.

8. A - Personal interest may affect duty

It occurs when private interests could improperly influence professional decisions.

Answers and explanations (continued)

9. D - It examines impacts from production to disposal

Life-cycle assessment considers environmental impacts across a product's stages.

10. A - Access to public authority information

It enables citizens to request information held by public authorities.

11. A - It provides a lower-energy pathway

Catalysts lower activation energy and are regenerated during the reaction.

12. A - Relative buying power of currencies

PPP compares what different currencies can buy in their own economies.

13. B - Check absolute numbers too

Percentages can sound large when the starting number is very small.

14. D - Consent and privacy

Personal data requires a lawful, respectful approach to consent and privacy.

15. D - Emissions are displaced

Moving production can shift emissions rather than reduce total global emissions.

16. C - That one causes the other

Correlation alone does not establish cause because other factors may explain it.

Topic scope checked against SOF syllabus: [SOF IGKO Class 10 syllabus](#)