

FREE PRACTICE PACK · EDITION 1

Class 7 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, 20-minute mini-mock.

Topics selected for practice

- India
- World
- Science
- Environment
- Civics

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 Indian river flows west into the Arabian Sea?

- | | |
|--------------------|-----------------------|
| A. Ganga | B. Brahmaputra |
| C. Godavari | D. Narmada |
-

2. World

Which line of latitude is at 0 degrees?

- | | |
|-------------------------------|--------------------------|
| A. Equator | B. Prime Meridian |
| C. Tropic of Capricorn | D. Arctic Circle |
-

3. Science

Which organelle releases energy from food in cells?

- | | |
|-------------------------|-------------------|
| A. Cell wall | B. Vacuole |
| C. Mitochondrion | D. Nucleus |
-

4. Environment

What is an invasive species?

- | | |
|--|--------------------------------------|
| A. A type of rock | B. A weather pattern |
| C. A non-native harmful species | D. A protected native species |
-

Topic practice (continued)

5. India

Who wrote India's national anthem?

A. Rabindranath Tagore

B. Bankim Chandra Chattopadhyay

C. Sarojini Naidu

D. M. S. Subbulakshmi

6. Science

What is the pH of a neutral aqueous solution at 25 degrees C?

A. 14

B. 7

C. 0

D. 1

7. Technology

What does encryption mainly do?

A. Speeds a fan

B. Deletes files

C. Adds storage

D. Protects data by coding it

8. Civics

What is the purpose of a constitution?

A. Runs factories

B. Names rivers

C. Sets basic rules and rights

D. Predicts weather

Timed mini-mock

Set a 20-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. World

Which biome has permanently frozen ground called permafrost?

- | | |
|---------------------|----------------------|
| A. Savanna | B. Rainforest |
| C. Grassland | D. Tundra |
-

10. Environment

Which action most directly reduces soil erosion on a slope?

- | | |
|----------------------------|----------------------------|
| A. Plant vegetation | B. Remove all grass |
| C. Pave every field | D. Burn leaves |
-

11. India

Which institution is India's highest court?

- | | |
|--------------------------|--------------------------|
| A. Gram Panchayat | B. Supreme Court |
| C. High Court | D. District Court |
-

Timed mini-mock (continued)

12. Sports

What does the Olympic motto emphasize?

- | | |
|---------------------------|---|
| A. No training | B. Faster, Higher, Stronger—
Together |
| C. Win at any cost | D. Only team sports |
-

13. Science

Why does a pressure cooker cook food faster?

- | | |
|---------------------------|---|
| A. It adds oxygen | B. Higher pressure raises boiling
point |
| C. It removes heat | D. It freezes water |
-

14. Civics

A public meeting has a sign-language interpreter. Which value does this support?

- | | |
|-----------------------|-------------------------|
| A. Secrecy | B. Waste |
| C. Competition | D. Accessibility |
-

Timed mini-mock (continued)

15. Environment

A lake receives fertiliser runoff and algae grow rapidly. What problem can follow?

- A.** No sunlight anywhere
 - B.** More glaciers
 - C.** Oxygen shortage for fish
 - D.** More salt instantly
-

16. Science

A metal ship floats although metal sinks. What is the best explanation?

- A.** Its hollow shape displaces enough water
 - B.** Metal becomes lighter
 - C.** Water loses gravity
 - D.** Engines hold it up
-

Answers and explanations

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

1. D - Narmada

The Narmada flows westward and enters the Arabian Sea.

2. A - Equator

The Equator is defined as zero degrees latitude.

3. C - Mitochondrion

Mitochondria release usable energy during cellular respiration.

4. C - A non-native harmful species

Invasive species can spread and harm local ecosystems.

5. A - Rabindranath Tagore

Rabindranath Tagore wrote the words of India's national anthem.

6. B - 7

At 25 degrees C, a neutral aqueous solution has equal hydrogen and hydroxide ion concentrations and pH 7.

7. D - Protects data by coding it

Encryption changes data so only authorised users can read it.

8. C - Sets basic rules and rights

A constitution provides a country's basic laws, structure, and rights.

Answers and explanations (continued)

9. D - Tundra

Tundra regions have very cold ground that can remain frozen.

10. A - Plant vegetation

Plant roots hold soil together and reduce erosion by water.

11. B - Supreme Court

The Supreme Court is the highest judicial authority in India.

12. B - Faster, Higher, Stronger—Together

The motto celebrates striving together in sport and human effort.

13. B - Higher pressure raises boiling point

Higher pressure lets water become hotter before boiling, speeding cooking.

14. D - Accessibility

Accessibility helps more people participate in shared public life.

15. C - Oxygen shortage for fish

Algal blooms can reduce oxygen in water as they decompose.

16. A - Its hollow shape displaces enough water

A ship's shape gives it a low average density and displaces water.

Topic scope checked against SOF syllabus: [SOF IGKO Class 7 syllabus](#)