

FREE PRACTICE PACK · EDITION 1

Class 8 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
- Science
- Environment
- Media literacy

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 amendment added Fundamental Duties to India's Constitution?

- | | |
|--------------------------|--------------------------|
| A. 42nd Amendment | B. 1st Amendment |
| C. 44th Amendment | D. 73rd Amendment |
-

2. World

Which canal connects the Mediterranean Sea and Red Sea?

- | | |
|------------------------|----------------------|
| A. Erie Canal | B. Suez Canal |
| C. Panama Canal | D. Kiel Canal |
-

3. Science

What does DNA primarily carry?

- | | |
|--------------------------------|-----------------------------|
| A. Food energy | B. Sound waves |
| C. Genetic instructions | D. Electrical charge |
-

4. Environment

What is a carbon footprint?

- | | |
|-------------------------------|--|
| A. A rock pattern | B. Emissions linked to activities |
| C. A shoe mark in coal | D. A forest trail |
-

Topic practice (continued)

5. India

Which movement promoted the use of Indian-made goods during British rule?

- | | |
|----------------------------|-----------------------------|
| A. White Revolution | B. Swadeshi movement |
| C. Green Revolution | D. Chipko movement |
-

6. Science

Which electromagnetic wave has the highest frequency?

- | | |
|----------------------|-----------------------|
| A. Gamma rays | B. Radio waves |
| C. Microwaves | D. Infrared |
-

7. Technology

What is an algorithm?

- | | |
|------------------------------------|----------------------------|
| A. A storage cable | B. A screen type |
| C. A step-by-step procedure | D. A computer brand |
-

8. Media literacy

Which feature makes a news source more reliable?

- | | |
|---|--------------------------------|
| A. Named evidence and verification | B. Only a bold headline |
| C. Many emojis | D. Anonymous claims |
-

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. World

Which organisation works to promote international peace and cooperation?

- | | |
|--------------------|--------------------------|
| A. FIFA | B. OPEC |
| C. Interpol | D. United Nations |
-

10. Environment

Why are mangroves valuable along coasts?

- | | |
|--------------------------------|-----------------------------------|
| A. They create deserts | B. They remove tides |
| C. They stop all storms | D. They reduce wave damage |
-

11. India

What is the main role of the Election Commission of India?

- | | |
|------------------------------------|------------------------------|
| A. Control monsoons | B. Build highways |
| C. Conduct elections fairly | D. Write school books |
-

Timed mini-mock (continued)

12. Science

Which law states that every action has an equal and opposite reaction?

- A.** Boyle's law
 - B.** Newton's third law
 - C.** Newton's first law
 - D.** Ohm's law
-

13. Media literacy

A viral image lacks a date and original source. Before sharing, what should you do?

- A.** Assume it is true
 - B.** Add a caption
 - C.** Send it faster
 - D.** Find its source and context
-

14. Life skills

A friend sends an embarrassing photo of another student. What is responsible?

- A.** Do not forward; seek help
 - B.** Share to more groups
 - C.** Make a meme
 - D.** Save it publicly
-

Timed mini-mock (continued)

15. Environment

A city replaces coal power with solar and wind power. Which outcome is most direct?

- A.** More coal use
 - B.** No need for grids
 - C.** No weather changes
 - D.** Lower operational carbon emissions
-

16. Science

A vaccine prepares the immune system mainly by doing what?

- A.** Killing every microbe
 - B.** Raising body mass
 - C.** Training recognition of a pathogen
 - D.** Replacing all blood
-

Answers and explanations

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

1. A - 42nd Amendment

The 42nd Amendment added Fundamental Duties to the Constitution.

2. B - Suez Canal

The Suez Canal provides a route between the Mediterranean and Red Seas.

3. C - Genetic instructions

DNA contains instructions used for growth and cell functions.

4. B - Emissions linked to activities

It estimates greenhouse-gas emissions caused by an activity or person.

5. B - Swadeshi movement

The Swadeshi movement encouraged using goods made in India.

6. A - Gamma rays

Gamma rays have higher frequency than other listed electromagnetic waves.

7. C - A step-by-step procedure

An algorithm is a defined sequence of steps to solve a problem.

8. A - Named evidence and verification

Evidence and transparent verification help readers evaluate a claim.

9. D - United Nations

The United Nations brings countries together to cooperate on global issues.

Answers and explanations (continued)

10. D - They reduce wave damage

Mangrove roots can protect shorelines and provide important habitat.

11. C - Conduct elections fairly

The Election Commission administers elections under constitutional authority.

12. B - Newton's third law

Newton's third law describes paired forces between interacting objects.

13. D - Find its source and context

Checking origin and context can reveal whether a viral image misleads.

14. A - Do not forward; seek help

Not spreading harmful content protects privacy and reduces bullying.

15. D - Lower operational carbon emissions

Solar and wind generate electricity without burning coal during operation.

16. C - Training recognition of a pathogen

Vaccines help immune cells recognise and respond to particular pathogens.

Topic scope checked against SOF syllabus: [SOF IGKO Class 8 syllabus](#)