



## GPS OLYMPIAD 2023-24

SAMPLE PAPER

CLASS 8<sup>th</sup>

Total Question: 90

Duration: 2 hrs

Sections	(A) English	(B) Mathematics	Paper Pattern			
			(C) Mental Ability	(D) Science	(E) Social Studies	(F) Current Affairs
No. of Questions	15	15	15	15	15	15

**Marking Scheme:** There is no negative marking. Every correct response shall be rewarded with 1 mark.

### Instructions:

1. This question booklet contains consecutively numbered pages. If a page(s) is misprint or missing, please request the invigilator to change the question booklet.
2. Place do not open the question booklet by breaking open the seal before the invigilator permits you to do so.
3. The accompanying OMR sheet is to be filled-in with the suitable choice by darkening the concerned circle. Please use a blue or black ballpoint pen only for the purpose. Please do not put any other mark on the OMR sheet otherwise the response may not get validated.
4. Use of unfair means is strictly prohibited and may invite cancellation of candidature by cancellation of OMR Sheet.
5. Candidates are advised to keep the question paper with them and mark their choices on the question paper in addition to marking them on the OMR sheets. They will then be able to tally their responses with the answer key which will be subsequently uploaded shortly after the examination. The uploading of question paper and all other important information in regard to the Olympiad will be done on the website: [gpsdadiya@ac.in](mailto:gpsdadiya@ac.in)

Note: This is a Sample Paper and Actual Question Paper Contains 90 Questions.

**Section A: English**

**Read the passage given below.**

That Japan was not adequately prepared for the tsunami on March 11, 2011, first became apparent at the Fukushima Daiichi nuclear power plant. When the earthquake severed the connection between the nuclear power plant and the Japan electrical grid, the diesel backup system turned on as it was supposed to. This was critical because those generators provided the electrical energy needed to continue the operation of the cooling system, without which there would be a nuclear meltdown. But the seawall in front of the power plant was not high enough to stop the tsunami, and the fuel tanks were washed away. Unbelievably those critical fuel tanks had been situated outside the buildings at ground level. Equally unbelievable, the diesel engines inside the buildings had also been placed at ground level and in the basement below, and the tsunami submerged them. The lack of preparation went well beyond just the nuclear power plants. How could the tsunami have killed 25,000 Japanese in a country that was supposed to be the most tsunami-aware nation on Earth? Based on your understanding of the passage, answer the questions given below.

Q. 1. Japan was not sufficiently prepared for the tsunami became clear when

- |   |                         |   |  |
|---|-------------------------|---|--|
| (a) the connection between the nuclear power plant and the electrical grid was made | (b) it struck on Monday | (c) it was noticed that the seawall in front of the power plant was not high enough to stop the tsunami | (d) a large number of people were saved. |
|---|-------------------------|---|--|

Q. 2. The number of Japanese killed in the natural disaster was even shocking because they

- |                          |                                   |                                       |                            |
|--------------------------|-----------------------------------|---------------------------------------|----------------------------|
| (a) are used to tsunamis | (b) had taken preventive measures | (c) are the most tsunami-aware nation | (d) are a confident nation |
|--------------------------|-----------------------------------|---------------------------------------|----------------------------|

**Section B: Mathematics**

Q. 3. The sum of the two numbers is 11 and their product is 30, then the numbers are .....

- |          |          |          |          |
|----------|----------|----------|----------|
| (a) 8, 3 | (b) 9, 2 | (c) 7, 4 | (d) 6, 5 |
|----------|----------|----------|----------|

Q. 4. Garima purchased a briefcase with an additional 10% discount on the reduced price after deducting 20% on the labeled price. If the labeled price was Rs. 1400, then at what price did she purchase the briefcase?

- |             |              |              |              |
|-------------|--------------|--------------|--------------|
| (a) Rs. 980 | (b) Rs. 1008 | (c) Rs. 1056 | (d) Rs. 1120 |
|-------------|--------------|--------------|--------------|

**Section C: Mental Ability**

Q. 5. A and B are a married couple. X and Y are brothers, X is brother of A. How is Y related to B?

- (a) Brother-in-law                      (b) Brother                      (c) Sister                      (d) Cousin

Q. 6. Which will come next in the series? az, by, cx, ?

- (a) Ef                      (b) Gh                      (c) Ij                      (d) Dw

## Section D: Science

Q. 7. German Silver is an alloy of:

- (a) Cu, Ni, Zn                      (b) Mg, Ni, Zn                      (c) Pb, Mg, Cu                      (d) Fe, Ni, Cu

Q. 8. What is called the process in which a mature female ovary releases a mature ovum?

- (a) Ovulation                      (b) Pregnancy                      (c) Menopause                      (d) All of these

Q. 9. An ..... is a sudden calamity, and is a severe disruption due to the significant damage and loss of life and property.

- (a) Accident                      (b) Plague                      (c) disaster                      (d) financial crisis

Q.10. Which is the largest cell in plants?

- (a) Banyan fruit                      (b) Ovule of Cycas                      (c) Nerve cell                      (d) Femur

## Section E: Social Studies

Q.11. A fair trial ensures that: -

- (a) Article 21 of the Constitution is upheld                      (b) Article 20 of the Constitution is upheld                      (c) An accused is given a chance to defend himself/herself                      (d) None of these

Q.12. The uneven distribution of population in the world is due to the varied characteristics of :

- (a) Land and Climate                      (b) Climate & Topography                      (c) Vegetation                      (d) All of these

## Section F: Current Affairs

Q.13. What does BRICS stand for ?

- (a) Bangladesh, Russia, India, China, Senegal  
(b) Brazil, Russia, India, Cameroon, Senegal  
(c) Brazil, Russia, India, China, South Africa  
(d) Burma, Russia, India, China, South Africa

Q.14. Who is India's first woman sky diver ?

(a) Lance Naik Manju

(b) Lance Naik  
Deepa

(c) Lance Naik Saroj

(d) Lance Naik  
Babita