



## GPS OLYMPIAD 2023-24

SAMPLE PAPER

CLASS 10<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**

All Great Thinkers live and move on a high plane of thought. It is only there they can breathe freely. It is only in contact with spirits like themselves they can live harmoniously and attain that serenity which comes from ideal companionship. The studies of all great thinkers must range along the highest altitudes of human thought. I cannot remember the name of any illuminative genius who did not drink his inspiration from fountains of ancient Greek and Hebrew writers; or such among the moderns as were pupils in ancients thought, and, in turn, became masters in their own. I have always thought that the strongest argument in favour of the Baconian theory was, that no man, however indubitable his genius, could have written the plays and sonnets that have come down to us under Shakespeare's name who had not the liberal education of Bacon. How this habit of intercourse with the gods makes one impatient of mere men. The magnificent ideals that have ever haunted the human mind, and given us our highest proofs of a future immortality by reason of the impossibility of their fulfilment here, are splintered into atoms by contact with life's realities. Hence comes our sublime discontent. You will notice that your first sensation after reading a great book is one of melancholy and dissatisfaction. The ideas, sentiments, expressions, are so far beyond those of ordinary working life that you cannot turn aside from one to the other without an acute sensation and consciousness of the contrast. And the principles are so lofty, so super-human that it is a positive pain, if once you become imbued with them, to come down and mix in the squalid surroundings of ordinary humanity. It may be spiritual or intellectual pride that is engendered on the high plane of intellectual life. But whatever it is, it becomes inevitable. A habitual meditation on the vast problems that underline human life, and are knit into human destinies-thoughts of immortality, of the littleness of mere man, of the greatness of man's soul, of the splendours of the universe that are invisible to the ordinary traffickers in the street, as the vastness of St. Peter's is to the spider that weaves her web in a corner of the dome - these things do not fit men to understand the average human beings, or tolerate with patience the sordid wretchedness of the unregenerate masses. It is easy to understand therefore, why such thinkers fly to the solitude of their own thoughts, or the silent companionship of the immortals; and if they care to present their views in prose or verse to the world, that these views take a somber and melancholy setting from "the pale cast of thought" in which they were engendered.

Q.1 Which word best describes indubitable?

- (a) Categorical                      (b) Uncertain                      (c) Indefinite                      (d) Questionable

Q.2 If you are asked to give a title to this paragraph, which one would you choose?

- (a) Immortality                      (b) Literary greatness                      (c) Solitude                      (d) Happiness

**Section B: Mathematics**

Q.3 Find total surface area of a room, whose area of a wall is 561 sq m and area of ceiling is 595 sq m. The length of the room is 17 m.

- (a) 4321                      (b) 4512                      (c) 4256                      (d) 4622

Q.4 From a point on the ground, the angles of elevation of the bottom and top of a transmission tower fixed at the top of 20 m high building are  $45^\circ$  and  $60^\circ$  respectively. Find the height of the tower?

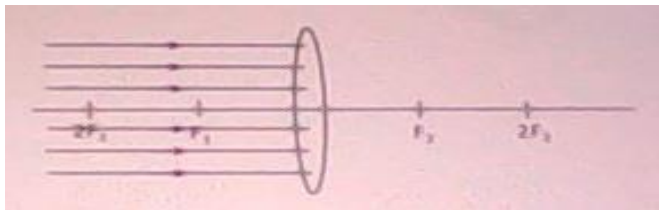
- (a)  $20\sqrt{3}M$                       (b)  $60M$                       (c)  $20(\sqrt{3} - 1)M$                       (d)  $40\sqrt{3}M$

**Section C: Mental Ability**

- Q.5 If L denotes  $\div$ , M denotes  $\times$ , P denotes  $+$  and Q denotes  $-$ , then which of the following statements is true?
- (a)  $32P8L16Q4 = -3$  (b)  $6M18Q26L13P7 = 173/13$  (c)  $11M34L17Q8L3 = 38/3$  (d)  $9P9L9Q9M9 = -71$
- Q.6 Complete the pattern. 6,11,21,36,56,( ..... )
- (a) 42 (b) 51 (c) 81 (d) 91

## Section D: Science

- Q.7 Stainless Steel alloy is a mixture of:
- (a) Fe+ C+ Cr+ Ni (b) Ni+ C+ Cr+ Ai (c) Fe + Cu+ Ai+ C (d) Fe+ Zn+ C+ Ni
- Q.8 If  $F_1$  and  $F_2$  represents the foci of the lens, then at which point will the light rays meet?



- (a)  $F_1$  (b)  $2F_1$  (c)  $F_2$  (d)  $2F_2$
- Q.9 Which chromosome pair is called sex chromosome in human beings?
- (a) Autosomes (b) Allosomes (c) Both above (d) None of these
- Q.10 Calcium carbide when reacts with water gives:
- (a) Methane gas (b) Ethane gas (c) Ethylene gas (d) Ethyne gas

## Section E: Social Studies

- Q.11 Who fought the battle of Waihind (1009 AD)?
- (a) Anandapala and MahumudGhazanavi (b) Jayapala and Muhammad Ghorī (c) Prithviraj Chauhan and Muhammad Ghorī (d) Jaichandra and BakhtiyarKhalji
- Q.12 What is the India rank in the global precipitation in terms of water availability per person per annum?
- (a) 132 (b) 133 (c) 143 (d) 142

## Section F: Current Affairs

- Q.13 What does G-20 stands for:

- (a) Group of 20 nations      (b) Group of 19 nations plus EU      (c) Group of 18 nations plus EU and ASEAN      (d) None of the above
- Q.14 Smog is caused by atmospheric presence of:
- (a) Oxide of Nitrogen      (b) Oxide of Nitrogen & Sulphur      (c) Oxide of Hydrogen & Sulphur      (d) None of these