



## RPS OLYMPIAD 2023-24 (Phase – I) GRADE:- V

M.M.:-60

### ENGLISH (15 Marks)

Direction for questions. All the questions are MCQ based. So, select the correct option: -

- Q.1 Choose the appropriate noun and complete the sentence given below: -**  
The speaker made a \_\_\_\_\_ of deep emotions.  
(a) front (b) back (c) show (d) floor
- Q.2 Fill in the blank choosing the correct adjective from the options given below: -**  
This book has \_\_\_\_\_ illustrations.  
(a) much (b) many (c) any (d) each
- Q.3 Fill in the blank choosing the correct degree of adjective from the options given below: -**  
My \_\_\_\_\_ brother deals in ready – to – wear garments.  
(a) old (b) oldest (c) eldest (d) elder
- Q.4 Identify the kind of sentence given below: -**  
They abide by the laws of the land.  
(a) Affirmative (b) Imperative (c) Interrogative (d) Exclamatory
- Q.5 Identify the kind of sentence given below: -**  
Did you receive my message yesterday?  
(a) Interrogative (b) Affirmative (c) Imperative (d) none of these
- Q.6 Fill in the blank choosing the most suitable article: -**  
I read this story from \_\_\_\_\_ historical novel.  
(a) a (b) an (c) the (d) no article
- Q.7 Fill in the blank choosing the most suitable verb from the options given below: -**  
The clouds \_\_\_\_\_ thick and dark.  
(a) was (b) were (c) is (d) have
- Q.8 I \_\_\_\_\_ your address.**  
(a) saw (b) known (c) know (d) none of these
- Q.9 Identify the kind of pronoun the underlined word is, in the sentence given below: -**  
The letter is to be sent today itself.  
(a) Demonstrative Pronoun (b) Relative Pronoun  
(c) Possessive Pronoun (d) Emphatic Pronoun
- Q.10 Replace the underlined word with a suitable adverb: -**  
I thanked him with my whole heart.  
(a) heartfully (b) heartily (c) hearty (d) whole heartedly
- Q.11 Fill in the blank choosing the correct option: -**  
We were \_\_\_\_\_ impressed by his presence of mind.  
(a) high (b) highly (c) higher (d) highest
- Q.12 Fill in the blank choosing the appropriate conjunction from the options given below: -**

She is knowledgeable \_\_\_\_\_ inefficient.

- (a) but (b) and (c) whereas (d) or

**Q.13** The stranger \_\_\_\_\_ looked at anyone \_\_\_\_\_ uttered a word.

- (a) either, or (b) both, and (c) neither, nor (d) none of these

**Q.14** Find the antonym of the word given in capital letters: -  
**BRUTAL**

- (a) active (b) serious (c) gentle (d) none of these

**Q.15** Find the synonym of the word given in capital letters: -  
**DEFER**

- (a) postpone (b) distance (c) assist (d) none of these

### MATHEMATICS (15 Marks)

**Q.16** Find the value of: **MXLII + CXCIV – LXII**

- (a) MCLXXIV (b) MCCCCXXIX (c) MCCLXXIII (d) MCXLIIV

**Q.17** The product of three numbers is 7980. In these if the product of two numbers is 228, then which of the following is the third number?

- (a) 25 (b) 15 (c) 16 (d) 35

**Q.18** The difference between the greatest and smallest 4-digit numbers formed using all the digits 9,7,0 and 4 is \_\_\_\_\_.

- (a) 8991 (b) 5391 (c) 9261 (d) 5661

**Q.19** Which of the following is the next term in the series - 9, 13, 17, 21, 25, ?

- (a) 26 (b) 27 (c) 29 (d) 33

**Q.20** How many of the following letters have at least one line of symmetry?  
**SINGAPORE**

- (a) 5 (b) 4 (c) 3 (d) 2

**Q.21** The prime factors of 120 are \_\_\_\_\_.

- (a)  $2 \times 2 \times 3 \times 3$  (b)  $2 \times 9 \times 5$  (c)  $2 \times 2 \times 2 \times 6$  (d)  $2 \times 2 \times 2 \times 3 \times 5$

**Q.22** The number of multiples of 3 between 18 and 54 is \_\_\_\_\_.

- (a) 11 (b) 12 (c) 10 (d) 14

**Q.23** What should be taken out of  $\frac{3}{7}$  to get  $\frac{2}{7}$ ?

- (a)  $\frac{5}{7}$  (b) 1 (c)  $\frac{1}{7}$  (d)  $\frac{3}{7}$

**Q.24** The product of two numbers is  $\frac{5}{4}$ . If one number is  $\frac{5}{6}$ , then what is the other number?

- (a) 2 (b)  $\frac{1}{2}$  (c)  $\frac{3}{2}$  (d)  $\frac{2}{3}$

**Q.25** The average of all prime numbers between 20 and 40 is \_\_\_\_\_.

- (a) 30 (b) 50 (c) 60 (d) 40

**Q.26** Find the sum of -

$4 + 4.44 + 44.4$

- (a) 52.08 (b) 50.48 (c) 52.84 (d) 5.284

**Q.27** The product of 2, 0.2, 0.02 and 0.002 is equal to \_\_\_\_\_.

- (a) 0.016 (b) 0.0016 (c) 0.00016 (d) 0.000016

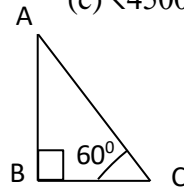
**Q.28** A watch is sold for ₹1080 at a loss of 10%. Find the cost price of the watch.

- (a) ₹2000 (b) ₹1500 (c) ₹1200 (d) ₹1700

**Q.29** The cost of 10 chairs is the same as the cost of 6 tables. If the cost of a table is ₹400, then find the total cost of 10 chairs and 3 tables.

- (a) ₹ 2500 (b) ₹3600 (c) ₹4500 (d) ₹5000

**Q.30** In the figure given below, find  $\angle A$



- (a)  $15^\circ$  (b)  $45^\circ$  (c)  $30^\circ$  (d)  $90^\circ$

### EVS (15 Marks)

**Q.31** The other name of the Southern Ocean is \_\_\_\_\_.

- (a) Pacific Ocean (b) Arctic Ocean (c) Antarctic Ocean (d) Atlantic Ocean

**Q.32** \_\_\_\_\_ study about climate.

- (a) Meteorologists (b) Climatologists (c) Geologists (d) Archeologists

**Q.33** Which of the following represents the  $0^\circ$  latitude?

- (a) Meridian (b) Equator (c) Prime Meridian (d) Tropic of Cancer

**Q.34** \_\_\_\_\_ members of the Rajya Sabha retire every \_\_\_\_\_ years.

- (a) One – third, two (b) One-fourth, two (c) One fourth, six (d) One third, six

**Q.35** In India the elections to the central government take place after every \_\_\_\_\_ years.

- (a) two (b) five (c) six (d) three

**Q.36** The Panama Canal is about \_\_\_\_\_ long.

- (a) 50 km (b) 230 miles (c) 50 miles (d) 230 km

**Q.37** Which one of the following produces a deep red colour in fireworks?

- (a) Strontium (b) Barium (c) Copper (d) tin

**Q.38** The process by which a new plant can be produced from its seed is called as \_\_\_\_\_.

- (a) Pollination (b) Fragmentation (c) Fertilization (d) Germination

**Q.39** The flask shaped organ X at the centre of a flower is surrounded by a number of little stalks Y having swollen tops which lie just inside the ring of petals.

Name the organ X and Y respectively.

- (a) Pistil and Stamen (b) Pistil and Ovary (c) Stamen and Ovary (d) none of these

**Q.40** Digital thermometers available these days for measuring temperature use \_\_\_\_\_.

- (a) alcohol (b) water (c) mercury (d) none of these

**Q.41** The water holding capacity is highest in the \_\_\_\_\_.

- (a) sandy soil (b) clayey soil (c) loamy soil (d) all of these

**Q.42** Which of the following are ball and socket joints?

- (A) Elbow Joint (B) Shoulder Joint (C) Knee Joint (D) Hip Joint

- (a) A and B (b) B and C (c) A and C (d) B and D

**Q.43** The soft and elastic bones present in the human skeleton are known as \_\_\_\_\_.

- (a) carpals (b) cartilage (c) vertebrae (d) collar bones

**Q.44** The dengue disease spread by Aedes mosquito is caused by \_\_\_\_\_.

- (a) bacteria (b) virus (c) protozoan (d) fungus

**Q.45** Which of the following controls our senses?

- (a) Medulla (b) Cerebellum (c) Cerebrum (d) Spinal Cord

### GK (15 Marks)

**Q.46** Which of the following is the border line between India and Afghanistan?

- (a) The Radcliffe line (b) The Durand line (c) Palk strait (d) McMahon line

**Q.47** Which of the following statements regarding Isolation during COVID-19 is/are correct?

(1) It is used for people suffering from COVID-19 symptoms or who have been tested positive for the virus.

(2) In Isolation, means being separated from other people, mainly in a medical facility where one can receive clinical care.

(a) Only 1 (b) Only 2 (c) Both 1 and 2 (d) Neither 1 nor 2

**Q.48 Which of the following is the scientific term for 'fear of bathing'?**

(a) Ablutophobia (b) Heliophobia (c) Hemophobia (d) Cynophobia

**Q.49 What is Cardiology?**

(a) The study of animals (b) The study of viruses  
(c) The study of cancer (d) The study of heart

**Q.50 Nelson Mandela belongs to which of the following places?**

(a) South Africa (b) Australia (c) Japan (d) China

**Q.51 Who was the Prime Minister of India during the Indo-Pak war in 1965?**

(a) Zail Singh (b) Lal Bahadur Shastri (c) Jawaharlal Nehru (d) none of these

**Q.52 Who was the first Sikh Prime Minister of India?**

(a) Rajiv Gandhi (b) Manmohan Singh (c) Charan Singh (d) Vishwanath Pratap Singh

**Q.53 Identify the organization with the help of the given logo?**



(a) NAM (b) ILO (c) UNO (d) WHO

**Q.54 The given flag belongs to which of the following countries?**



(a) Switzerland (b) Spain (c) Germany (d) France

**Q.55 Who among the following is one of the co-founders of Facebook?**

(a) Bill Gates (b) Mark Zuckerberg (c) Charles Babbage (d) Sabeer Bhatia

**Q.56 Who among the following was the father of the Indian Nuclear Programme?**

(a) Raja Ramanna (b) Sekhar Basu (c) Shivram Bhoje (d) Homi Jehangir Bhabha

**Q.57 Who among the following is a well-known botanist remembered for the invention of the crescograph?**

(a) Jagadish Chandra Bose (b) Verghese Kurian  
(c) Satyendra Nath Bose (d) Raja Ramanna

**Q.58 Who among the following was the first gymnast to score the perfect 10 in Olympics?**

(a) Simone Biles (b) Aly Raisman (c) Nadia Comaneci (d) Nastia Liukin

**Q.59 Which of the following do the 5 Olympic rings represent?**

(a) five seas of the world (b) five continents of the world  
(c) five oceans of the world (d) none of these

**Q.60 What is the full form of SAARC?**

(a) Systematic Asian Association (b) South Asian Association for Regional cooperation  
(c) South African Association for General Cooperation. (d) None of these