8th All India RPS OLYMPIAD

Online & Offline Mega Event

QUESTION PAPER (PHASE – I)

CLASS - VI

ENGLISH (10 MARKS)

Q1. Which sentence is in the future continuous tense?

(A) I will attend the meeting tomorrow morning.

(B) I have attended the meeting.

(C) I will be attending the meeting tomorrow morning.

(D) I had attended the meeting.

Q2. Someone has stolen my bicycle.

(A) My bicycle has stolen.

(B) My bicycle has been stolen.

(C) My bicycle was stealing.

(D) My bicycle is stolen by someone.

Q3. He is __ European, but he speaks __ Urdu fluently.

(A) an, the (B) a, no article (C) the, a (D) an, no article

Q4. Choose the correct noun type: "Patience is necessary for success."

(A) Patience — abstract; success — abstract

(B) Patience — concrete; success — abstract

(C) Patience — abstract; success — material

(D) Patience — collective; success — abstract

Q5. The cat cleaned <u>itself.</u> Choose the correct option for the underlined pronoun.

(A) Personal (B) Possessive (C) Emphatic (D) Reflexive

Q6. Those students are preparing for the quiz. Which type of adjective is mentioned in the sentence?

(A) Demonstrative (B) Interrogative (C) Quantitative (D) Descriptive

Q7. Which sentence has both a direct and an indirect object?

(A) The baby slept peacefully. (B) Ravi is a good singer.

(C) The principal awarded Maya a medal. (D) The birds flew away.

Q8. In "The river bank was muddy," bank means:

(A) A place for money (B) a group

(C) to tilt (D) land beside a river

Q9. Please do not _____ in other people's matters.

(A) medal (B) meddle

(C) metal (D) mettle

Q10. Choose the abstract noun formed from "child."

(A) Childish (B) Childhood

(C) Childlike (D) Children

MATHEMATICS (10 MARKS)

Q11. Find the missing numbers to complete the given number series.
16, 25, 36, ?, ?, 81, 100 _____

(A) 49, 64, 111 (B) 49, 64, 144

(C) 49, 64, 121 (D) 81, 64, 144

Q12. 1 + 2 + 3 + ... + 14 + 15 + 14 + ... + 2 + 1=

(A) 300 (B) 225 (C) 100 (D) 50

Q13. Take two 30° - 60° - 90° set squares and join them diagonally. What figure would you get?

(A) Rhombus (B) Square

(C) Rectangle (D) Trapezium

Q14. What does the 'key' in a pictograph explain?

(A) The total number of items

(B) The value that each picture represents

(C) The graph's title

(D) The number of categories

Q15. The sum of the prime factors of 1729 is

(A) 13 (B) 19 (C) 32 (D) 39

Q16. The digit sum of the smallest 3-digit prime palindrome number is

(A) 2 (B) 3 (C) 1 (D) 5

Q17. Which of the following has the first three consecutive primes as their factors?

(A) 2160 (B) 4050 (C) 1080 (D) All of these

Q18. A square and a rectangle have same perimeter. The square has side 8 cm and rectangle has length 10 cm. What is the area of the rectangle?

(A) 64 sq cm (B) 60 sq cm (C) 80 sq cm (D) 96 sq cm

Q19. The difference between 3rd hexagonal and 3rd centered hexagonal number is _____.

(A) 2 (B) 3 (C) 4 (D) 7

Q20. Which of the following figures has no line of symmetry?

(A) Isosceles triangle (B) Scalene triangle

(C) Equilateral triangle (D) Square

SCIENCE (10 MARKS)

Q21. Natural magnets are _____ the artificial magnets.

(A) stronger than (B) of equal strength as

(C) weaker than (D) none of these

Q22. A student drops a stone from the top of a building. Ignoring air resistance, the stone moves vertically downward. Which type of motion does it show?

(A) Circular motion (B) Periodic motion

(C) Rectilinear motion (D) Rotational motion

Q23. A scientist needs to measure the temperature of molten metal in a furnace, which may exceed 1000°C. Which instrument is most suitable for measuring this very high temperature without touching the metal?

(A) Clinical thermometer (B) Laboratory thermometer

(C) Pyrometer (D) Hygrometer

Q24. In which of the following activities will you use minimum amount of water?

(A) Bathing (B) Brushing teeth

(C) Washing clothes (D) Mopping a room

Q25. Find the odd one out from the following.

(A) Tawa (B) Spade (C) Pressure cooker (D) Eraser

Q26. A camel is a desert animal. It shows many adaptations. Which of the following statements (P, Q, R and S) is incorrect?

P - It has a hump where fat is stored.

Q - It can stay without water for long time.

R - It sweats a lot.

S - It excretes large amount of urine.

(A) P only (B) Q only (C) P and Q (D) R and S

Q27. Why should we have dietary fibres in our food?

(A) Fibres provide much more energy (B) Fibres protect our body from diseases

(C) Fibres help to get rid of undigested food (D) Fibres help in water retention

Q28. Excessive intake of sodium may lead to _____.

(A) diabetes (B) typhoid (C) high blood pressure (D) anaemia

Q29. A sudden decrease in bee population may affect humans because bees:

(A) help in pollination (B) produce oxygen directly

(C) control earthquakes (D) create rainfall

Q30. Leaves of a plant have parallel venation. It means the plant:

(A) is a shrub (B) is a herb

(C) has tap root system (D) has fibrous root system

APTITUDE (10 MARKS)

Q31. Find the next number in the given series. 5, 4, 9, 26, 105, ?

(A) 525 (B) 524 (C) 522 (D) 523

Q32. Select the option that is related to the third term in the same way as the second term is related to the first term.

Postman: Letter:: Teacher:?

(A) Experience (B) Thought (C) Wisdom (D) Knowledge

Q33. In the following question, select the odd letters from the given alternatives

(A) DIN (B) HMR (C) AFK (D) NSW

Q34. Identify the number that DOES NOT belong to the following series.

10, 17, 26, 39, 50

(A) 26 (B) 39 (C) 17 (D) 50

Q35. In a certain code language, 'SPHERE' is written as 'USMLCR', and 'CIRCLE' is written as 'ELWJWR'. How will 'SQUARE' be written in that language?

(A) UTZHCR (B) GUFBBF (C) TSXEWK (D) USWCTG

Q36. A is mother of B. B is son of C. C is brother of D. D is niece of E. How is C related to E?

(A) Nephew (B) Uncle (C) Father (D) Son

Q37. R is 16 km south of T. P is 4 km north of R. K is 9 km west of P. G is 7 km north of K. L is 21 km east of G. How far is T from L and in which direction is P from L?

(A) 165 km, Southwest (B) 13 km, Southwest

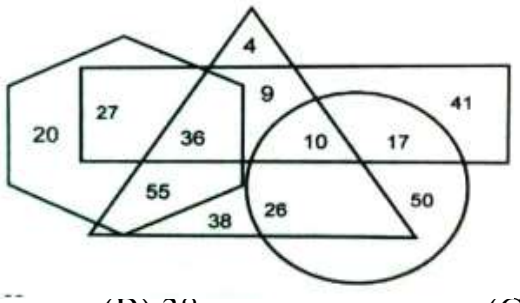
(C) 165 km, northeast (D) 13 km, Northeast

Q38. Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

34 * 17 * 54 * 18 * 6 * 56

(A) +, ÷, x, -,= (B) ÷, -, +, x ,= (C) x, +, ÷, -,= (D) ÷,-, x, +, =

Q39. In the following Venn diagram, the triangle stands for the 'fathers', circle stands for the 'engineers', hexagon stands for the 'tax-payers', and the rectangle stands for the 'blood donors'. The given number represents the number of persons in that particular category. How many tax-payers are also blood donors.



(A) 63 (B) 38 (C) 61 (D) 55

Q40. In the following questions, Select the number that comes in place of the question mark(?) from the given options.

24	**18**	**12**
6	**14**	**9**
8	**7**	**?**
72	**116**	**48**

(A) 6 (B) 3 (C) 4 (D) 9

SST (10 MARKS)

Q41. Which continent is crossed by both the Equator and the Prime Meridian?

(A) South America (B) Africa (C) Asia (D) Australia

Q42. Which statement about Hindustān is correct according to the chapter?

(A) It first appeared in a Persian inscription about 1,800 years ago.

(B) It first appeared in a Greek inscription.

(C) It was the name used in the Ṛig Veda.

(D) It was coined by Xuanzang.

Q43. Which example best illustrates aparigraha?

(A) Avoiding harm to living beings

(B) Limiting possessions and avoiding attachment to them

(C) Accepting that truth has many aspects

(D) Joining a group of wandering teachers

Q44. Why is "non-hurting" a useful explanation of ahimsa?

(A) It conveys a wider meaning than simply avoiding physical violence.

(B) It means people should never disagree.

(C) It refers only to protecting property.

(D) It is another word for non-possession.

Q45. A government passes a law, puts it into action, and resolves a dispute about how it should be applied. Which sequence matches these actions?

(A) Executive → Legislature → Judiciary

(B) Legislature → Executive → Judiciary

(C) Judiciary → Executive → Legislature

(D) Legislature → Judiciary → Executive

Q46. Which statement correctly distinguishes the Gram Sabha from the Gram Panchayat?

(A) Gram Sabha is elected; Gram Panchayat includes all voters

(B) Gram Sabha is appointed by the Sarpanch

(C) Gram Sabha works only in cities; Gram Panchayat works in districts

(D) Gram Sabha includes all enrolled adult voters; Gram Panchayat is elected from among them

Q47. A villager discovers that a land record shows the wrong boundary for his field. Which official should he approach first for the relevant record?

(A) Panchayat Secretary (B) Patwari

(C) Zila Parishad chairperson (D) Block Development Officer

Q48. A town has a population of about 5 lakh. According to NCERT, its highest urban local body is likely to be:

(A) Municipal Council (B) Municipal Corporation

(C) Zila Parishad (D) Panchayat Samiti

Q49. Which option correctly matches the Jain idea with its meaning?

(A) Anekāntavāda — non-possession

(B) Aparigraha — the truth has many aspects and perspectives

(C) Anekāntavāda — truth cannot be fully described from just one perspective

(D) Aparigraha — conquest of enemies

Q50. Which set correctly names the two major island groups of India and the water bodies they are in?

(A) Andaman and Nicobar—Arabian Sea; Lakshadweep—Bay of Bengal

(B) Andaman and Nicobar—Bay of Bengal; Lakshadweep—Arabian Sea

(C) Both groups—Bay of Bengal

(D) Both groups—Arabian Sea

HINDI (10 MARKS)

Q51. 'परिवार' शब्द संज्ञा का कौन-सा भेद है?

(A) व्यक्तिवाचक (B) भाववाचक (C) समूहवाचक (D) द्रव्यवाचक

Q52. 'युवा' से बना भाववाचक संज्ञा शब्द रूप का सही विकल्प का चयन कीजिए -

(A) युवक (B) यौवन (C) युवावर्ग (D) युवागण

Q53. शब्द के जिस रूप से किसी को बुलाने या पुकारने का भाव प्रकट हो, उसे क्या कहते हैं?

(A) संबंध कारक

(B) कर्म कारक

(C) कर्ता कारक

(D) संबोधन कारक

Q54. कारक के कितने भेद होते हैं?

(A) आठ (B) सात (C) छह (D) चार

Q55. जहाँ कहने वाला, सुनने वाला या किसी तीसरे व्यक्ति की बात हो, उसे क्या कहते हैं?

(A) निजवाचक सर्वनाम

(B) पुरुषवाचक सर्वनाम

(C) निश्चयवाचक सर्वनाम

(D) संबंधवाचक सर्वनाम

Q56. सर्वनाम का क्या अर्थ है?

(A) मेरा नाम

(B) तुम्हारा नाम

(C) सबका नाम

(D) किसी का नाम

Q57. विशेषण शब्द जिन शब्दों की विशेषता प्रकट करते हैं, उन्हें क्या कहते हैं?

(A) प्रविशेषण

(B) विशेष्य

(C) विशेषण

(D) अविशेषण

Q58. 'पलक अत्यंत सुंदर है।' वाक्य में कौन-सा शब्द प्रविशेषण है?

(A) पलक

(B) अत्यंत

(C) सुंदर

(D) है

Q59. क्रिया के मूल रूप को क्या कहते हैं?

(A) विशेषण

(B) क्रिया

(C) धातु

(D) काल

Q60. किस वाक्य में सकर्मक क्रिया है?

(A) पक्षी उड़ रहे हैं।

(B) किसान बीज बो रहा है।

(C) बच्चा हँस रहा है।

(D) वह दौड़ रहा है।