



Session: 2026-2027

PTSC OLYMPIAD

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U.P. VITTVIHIN PRABANDAK FOUNDATION



PTSC OLYMPIAD

Hindi, English, Mathematics, Science, Reasoning, Social Science, GK & Current Affair

Class: 6

Sample Paper

Total Questions: 100 | Time: 100 Min

General Instructions (OMR Based Test)

1. This is an OMR based test, you will get additional 15 minutes to fill your details on the OMR sheet, before the start of the exam.
2. Write your **name, school, class, etc.** clearly on the OMR sheet.
3. The question paper comprises 10 sections:
Hindi (15 questions), **English** (15 questions), **Mathematics** (15 questions), **Science** (15 questions), **Reasoning** (10 questions), **Social Science** (10), **General Knowledge** (10), **Current Affairs** (10).
 - a. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
 - b. This is a multiple choice-based question paper. Choose only one option for an answer.
 - c. Use only **HB pencil** or **Blue/Black ball point pen** to mark your answers.
 - d. Correct way of marking answer:

E.g., Q.1: Where do whales live?

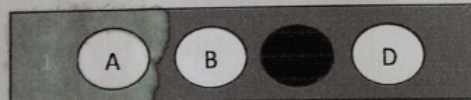
A. Pond

B. River

C. Ocean

D. Glacier

As the correct answer is option C, you must darken the circle corresponding to option C on the OMR Sheet.



4. Rough work should be done in the blank space provided in this booklet.
5. Return the OMR Sheet to your teacher. You can take the question paper booklet along with you.
6. Attempt all questions. Good luck for the test.

Name:

Roll No..... Contact No.....

Section A: (Hindi)

1. "विद्या का अर्थ क्या है?"

A. ज्ञान

B. खेल

C. भोजन

D. पुस्तक

2. "सूर्य" का पर्यायवाची शब्द कौन-सा है?

A. रवि

B. रात्रि

C. चंद्र

D. अंधकार

3. "बालक स्कूल जाता है।" — इस वाक्य में क्रिया कौन-सी है?

A. जाता

B. बालक

C. स्कूल

D. है

4. "जल" का विलोम शब्द क्या है?

A. आग

B. वायु

C. पृथ्वी

D. धूल

5. "बड़ा" शब्द का समानार्थी शब्द कौन-सा है?

A. विशाल

B. छोटा

C. कम

D. हल्का

6. "कमल जैसा सुंदर चेहरा" — इसमें कौन-सा अलंकार है?

A. उपमा

B. रूपक

C. अनुप्रास

D. अतिशयोक्ति

7. "राम ने सीता को फल दिया।" — इस वाक्य में कर्म कौन-सा है?

A. फल

B. राम

C. दिया

D. सीता

8. "अच्छे कार्य करो।" — यह किस प्रकार का वाक्य है?

A. आदेशवाचक

B. प्रश्नवाचक

C. नकारात्मक

D. विस्मयवाचक

9. "अंधेरे में दीप जलाना" मुहावरे का अर्थ है —

A. निरर्थक काम करना

B. मेहनत करना

C. अंधेरे को हटाना

D. शिक्षा देना

10. "बालक" शब्द में लिंग कौन-सा है?

A. पुल्लिंग

B. स्त्रीलिंग

C. नपुंसकलिंग

D. कोई नहीं

11. "सावन में झूला झूलना" किस ऋतु में होता है?

A. वर्षा

B. ग्रीष्म

C. शरद

D. हेमंत

12. "प्रकृति" शब्द में कौन-सा संधि है?

A. गुण संधि

B. अच् संधि

C. विसर्ग संधि

D. कोई नहीं

13. "जिससे सबका कल्याण हो" — इसका एक शब्द क्या होगा?

A. सर्वजनहिताय

B. सर्वश्रेष्ठ

C. सर्वज्ञ

D. सर्वत्र

14. "माँ खाना बना रही है।" — यह वाक्य किस काल का है?

A. वर्तमान काल

B. भूतकाल

C. भविष्य काल

D. आज्ञा काल

15. "जिसे नींद नहीं आती" — इसका एक शब्द क्या होगा?

A. अनिद्र

B. निद्रालु

C. अचेत

D. सुशील

Section A: (English)

16. Choose the correctly spelt word:

A. Neighbour

B. Nighbour

C. Neigbour

D. Neibor

17. Choose the correct homonym to complete the sentence:

Ravi tied a ribbon around the _____ of the gift.

- A. Bow B. Bough C. Beau D. Bo
18. Choose the correct homonym to complete the sentence:
This little boy is the _____ to his grandfather's property.
A. Heir B. Hair C. Here D. Hare
19. Choose the correct homonym to complete the sentence:
The girl turned _____ when she heard the news.
A. Pale B. Pail C. Peel D. Peal
20. Choose the correct phrasal verb to complete the sentence:
Meena suddenly _____ and fell on the floor.
A. Blacked in B. Blacked out C. Blacked up D. Blacked down
21. Choose the correct phrasal verb to complete the sentence:
It is hot inside. Please _____ your coat.
A. Take off B. Take out C. Take it D. Take away
22. Choose the correct meaning of the underlined idiom:
If you feel as cool as a cucumber, you feel _____.
A. Calm and composed B. Nervous C. Hot and tired D. Energetic
23. Choose the correct meaning of the underlined idiom:
If someone is a bookworm, they are _____.
A. Lazy B. Studious and intelligent C. Clumsy D. Active
24. Fill in the blanks with the correct auxiliary verb:
I _____ completed my homework.
A. Have B. Has C. Had D. Do
25. Fill in the blanks with the correct auxiliary verb:
_____ you ever visited Delhi?
A. Have B. Has C. Do D. Did
26. Fill in the blanks with the correct article:
She is _____ honest student.
A. An B. A C. The D. No article
27. Fill in the blanks with the correct article:
_____ sun rises in the east.
A. The B. A C. An D. No article
28. Choose the correct tense form:
Rani _____ her homework just now.
A. Has finished B. Had finished C. Finishes D. Finished
29. Choose the correct tense form:
The train _____ yet.
A. Has not left B. Have not left C. Did not left D. Has leave
30. Identify the correct preposition:
I am looking forward _____ the holidays.
A. To B. For C. On D. At

Section: B (Mathematics)

31. The length of String A is $\frac{3}{8}$ the total length of String A and String B. What is the ratio of the length of String B to the length of String A?

A. 5:2

B. 5:3

C. 3:5

D. 2:5

32. Rahul and Ajit shared ₹9600. Rahul received ₹1600 more than Ajit. Find the ratio of Ajit's share to Rahul's share.

A. 1:2

B. 2:1

C. 2:3

D. 3:2

33. How many lines of symmetry are there in an equilateral triangle?

A. 1

B. 3

C. Infinite

D. 2

34. What is the product of $\frac{8}{11}$ and the additive inverse of $\frac{44}{2}$?

A. -16

B. 28

C. -34

D. 16

35. The number of diagonals in a heptagon is:

A. 12

B. 7

C. 9

D. 14

36. A quadrilateral with only one pair of opposite side parallel is called a _____.

A. Parallelogram

B. Trapezium

C. Rhombus

D. Kite

37. Which of the following is not a pair of twin prime between 10 and 40?

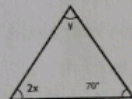
A. (11,13)

B. (21,23)

C. (17,19)

D. (29,31)

38. Consider as an Isosceles triangle. Find $x+y$.



A. 62

B. 70°

C. 75°

D. 83°

39. In a rectangle, the length is 3 times its width. If perimeter of the rectangle is 48cm, what is the area of the rectangle?

A. 36 cm^2

B. 108 cm^2

C. 72 cm^2

D. 86 cm^2

40. The sum of the two numbers is 100, and their difference is 20. What is the product of these two numbers?

A. 1600

B. 2000

C. 1800

D. 2200

41. The sum of three consecutive numbers is 75. What is the middle number?

A. 24

B. 25

C. 26

D. 27

42. The sum of the ages of two friends is 30 years. If one is four years older than the other, what are their ages?

A. 13 and 17 years

B. 14 and 16 years

C. 12 and 18 years

D. 15 and 15 years

43. A cube has a side length 8 cm. What is the volume of the cube?

A. 512 cm^2

B. 64 cm^2

C. 256 cm^2

D. 128 cm^2

44. If the sum of the interior angles of a polygon is 1440° , how many sides does the polygon have?

A. 10

B. 12

C. 14

D. 16

45. The sum of three consecutive numbers is 57. What is the largest of these numbers?

A. 20

B. 19

C. 21

D. 18

Section: D (Science)

6. Which of the following joints is present between thigh bone and shin bone?
 A. Hinge joint B. Pivot joint
 C. Fixed joint D. Ball and socket joint
47. Which phenomenon explains why we see lightning before hearing thunder?
 A. Light travels faster than sound B. Sound travels faster than light
 C. Lightning is brighter than thunder D. Thunder lasts longer than lightning
48. Which substance makes up the majority of the human body's cells?
 A. Fat B. Protein C. Water D. Carbohydrates
49. What is the smallest unit of life in all living organisms?
 A. Atom B. Molecule C. Cell D. Tissue
50. What is the primary function of the large intestine in the human body?
 A. Digesting food B. Absorbing water
 C. Producing bile D. Filtering blood
51. What is the approximate age of the Earth in billions of years?
 A. 3.5 billion years B. 4.5 billion years
 C. 5.5 billion years D. 6.5 billion year
52. How many layers are there in the Earth's atmosphere?
 A. 3 B. 4 C. 5 D. 6
53. What is the pH value of pure water?
 A. 5 B. 6 C. 7 D. 8
54. _____ flick their tongues.
 A. Reptiles B. Amphibians C. Aquatic D. Mammals
55. Echolocation is also known as _____.
 A. Chemsonar B. Physonar C. Zoosonar D. Biosonar
56. Bryophyllum is a species of plant that reproduces through _____.
 A. Leaf buds B. Eyes C. Rhizome D. Bulbil
57. The tree of some region grow tall and close to each other to protect from _____.
 A. Heat and wind B. Snow C. Cold and wind D. Rain
58. Which of these is a larva of housefly?
 A. Maggot B. Caterpillar
 C. Larva D. None of these
59. Roots have small thread-like structures called _____.
 A. Root hair B. Root cap C. Tap root D. Fibrous root
60. Food is stored in the roots of :
 A. Potato B. Sweet Potato C. Ginger D. Onion

Section: B (Reasoning)

61. Rohan ranks thirteenth from the top in a class of 50 students. What will be his rank from the bottom?
 रोहन 50 छात्रों की कक्षा में ऊपर से तेरहवाँ स्थान प्राप्त करता है। नीचे से उसका स्थान क्या होगा?
 A. 30th B. 34th
 C. 38th D. 39th
62. If 'A' stands for division, 'B' stands for addition, 'C' stands for multiplication and 'D' stands for subtraction, then what is the value of:
 22C3B45A9D64?
 यदि 'A' का अर्थ ÷, 'B' का अर्थ +, 'C' का अर्थ × और 'D' का अर्थ - हो, तो 22C3B45A9D64 का मान क्या होगा?
 A. 10 B. 9 C. 7 D. 12

Find the number of rectangles formed in the given figure:

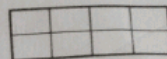
दिए गए चित्र में बने आयतों की संख्या ज्ञात करें।

A. 16

B. 12

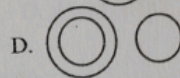
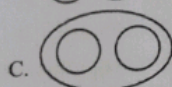
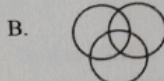
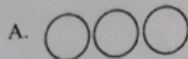
C. 17

D. 19



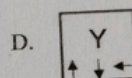
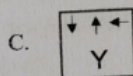
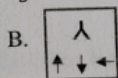
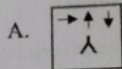
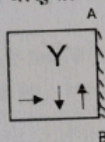
64. Which of the following Venn diagrams best represents the relationship between 'Games, Badminton and Table Tennis'?

निम्नलिखित वेन आरेखों में से कौन-सा 'खेल, बैडमिंटन और टेबल टेनिस' के संबंध को सबसे अच्छी तरह दर्शाता है?



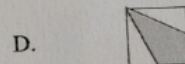
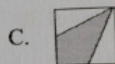
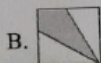
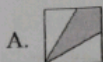
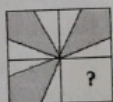
65. Find the correct mirror image of the given figure, if mirror is placed along AB.

यदि दर्पण को AB रेखा के साथ रखा जाए, तो दिए गए चित्र की सही दर्पण प्रतिमा चुनें।



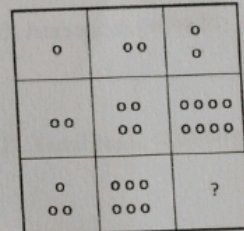
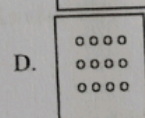
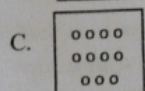
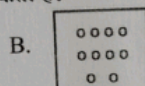
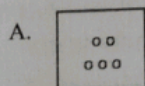
66. Which of the following figures will complete the pattern in the given figure?

दिए गए चित्र में पैटर्न को पूरा करने के लिए सही चित्र चुनें।



67. Find the minimum number of straight lines required to draw the given figure.

दिए गए चित्र को बनाने के लिए न्यूनतम कितनी सीधी रेखाओं की आवश्यकता है?



68. If 'a' denotes '+', 'b' denotes '+', 'c' denotes '-' and 'd' denotes 'x', then 11b15c8a4d5=?

यदि 'a' का अर्थ +, 'b' का अर्थ +, 'c' का अर्थ - और 'd' का अर्थ x हो, तो 11b15c8a4d5 का मान क्या होगा?

A. 36

B. 20

C. 26

D. 16

69. Find the minimum number of straight lines used in forming the given figure.

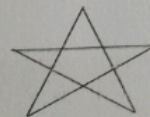
दिए गए चित्र को बनाने में प्रयुक्त न्यूनतम सीधी रेखाओं की संख्या ज्ञात करें।

A. 5

B. 6

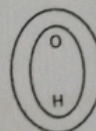
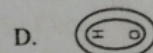
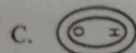
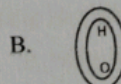
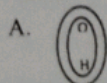
C. 7

D. 8



70. Identify the mirror image of the following figure:

निम्नलिखित चित्र की सही दर्पण प्रतिमा पहचानें।



Section: E (General Knowledge)

71. Name the coldest planet in our solar system.

हमारे सौरमंडल का सबसे ठंडा ग्रह कौन-सा है?

- A. Mars (मंगल)
C. Venus (शुक्र)

- B. Neptune (नेपच्यून)
D. Mercury (बुध)

72. Which colour symbolizes peace?

कौन-सा रंग शांति का प्रतीक है?

- A. Yellow (पीला)
C. Green (हरा)

- B. Red (लाल)
D. White (सफेद)

73. Olympics games are held after every?

ओलंपिक खेल कितने वर्षों के अंतराल पर आयोजित किए जाते हैं?

- A. 2 years (2 वर्ष)
C. 4 years (4 वर्ष)

- B. 3 years (3 वर्ष)
D. 5 years (5 वर्ष)

74. What is the name of the Punjab folk dance?

पंजाब के लोक नृत्य का क्या नाम है?

- A. Bhangra (भांगड़ा)
C. Kathakali (कथकली)

- B. Garba (गरबा)
D. Kuchipudi (कुचिपुड़ी)

75. Which cities will be connected by India's first bullet train project?

भारत की पहली बुलेट ट्रेन परियोजना किन शहरों को जोड़ेगी?

- A. Delhi and Mumbai (दिल्ली और मुंबई)
C. Mumbai and Bengaluru (मुंबई और बेंगलुरु)

- B. Delhi and Bengaluru (दिल्ली और बेंगलुरु)
D. Mumbai and Ahmedabad (मुंबई और अहमदाबाद)

76. What is the national flower of Japan?

जापान का राष्ट्रीय फूल कौन-सा है?

- A. Cherry Blossom (Sakura) (चेरी ब्लॉसम / सकुरा)
C. Jasmine (चमेली)

- B. Lotus (कमल)
D. Rose (गुलाब)

77. Which Mughal emperor is called Zinda Pir?

किस मुगल सम्राट को "ज़िंदा पीर" कहा जाता था?

- A. Akbar (अकबर)
B. Babur (बाबर)

- C. Jahangir (जहाँगीर)

- D. Aurangzeb (औरंगज़ेब)

78. Which state is known as the "Spice Garden of India"?

भारत का कौन-सा राज्य "मसालों का बगीचा" कहलाता है?

- A. Orissa (ओडिशा)
B. Assam (असम)

- C. Kerala (केरल)

- D. Tamil Nadu (तमिलनाडु)

79. Which continent is the smallest by land area?

भूमि क्षेत्रफल के अनुसार सबसे छोटा महाद्वीप कौन-सा है?

- A. Asia (एशिया)
C. Europe (यूरोप)

- B. Australia (ऑस्ट्रेलिया)
D. Africa (अफ्रीका)

80. What is the capital city of Italy?

इटली की राजधानी कौन-सी है?

- A. Paris (पेरिस)
C. Sydney (सिडनी)

- B. Rome (रोम)
D. Venice (वेनिस)

Section: F (Current Affairs)

81. Which initiative was launched to enhance financial literacy among women in rural and underserved areas of India?

ग्रामीण और वंचित क्षेत्रों की महिलाओं में वित्तीय साक्षरता बढ़ाने के लिए कौन-सी पहल शुरू की गई?

- A. Jan Dhan Yojana (जन धन योजना)
C. Digital India Campaign (डिजिटल इंडिया अभियान)

- B. Niveshak Didi (निवेशक दीदी)
D. Beti Bachao Beti Padhao (बेटी बचाओ बेटी पढ़ाओ)

82. Which state in India is introducing NCERT textbooks for Class 1 and 2 students from the 2024-25 academic session?

भारत का कौन-सा राज्य शैक्षणिक सत्र 2024-25 से कक्षा 1 और 2 के छात्रों के लिए NCERT पाठ्यपुस्तकें लागू कर रहा है?

- A. Maharashtra (महाराष्ट्र)
C. Tamil Nadu (तमिलनाडु)

- B. Uttar Pradesh (उत्तर प्रदेश)
D. Kerala (केरल)

83. What is the name of the new chip introduced by Google for artificial intelligence?

कृत्रिम बुद्धिमत्ता के लिए गूगल द्वारा प्रस्तुत नई चिप का क्या नाम है?

- A. Ironwood (आयरनवुड)
C. Redwood (रेडवुड)

- B. Silverleaf (सिल्वरलीफ)
D. Pinecone (पाइनकोन)

84. Which country recently joined the Artemis Accords for space exploration?

हाल ही में किस देश ने अंतरिक्ष अन्वेषण के लिए आर्टेमिस समझौते में शामिल हुआ है?

- A. Bangladesh (बांग्लादेश)
C. Sri Lanka (श्रीलंका)

- B. Nepal (नेपाल)
D. Bhutan (भूटान)

85. Which Indian state is planning to ban mining near the Chittorgarh Fort to protect it?

चित्तौड़गढ़ किले की सुरक्षा के लिए कौन-सा भारतीय राज्य खनन पर प्रतिबंध लगाने की योजना बना रहा है?

- A. Maharashtra (महाराष्ट्र)
C. Gujarat (गुजरात)

- B. Rajasthan (राजस्थान)
D. Madhya Pradesh (मध्य प्रदेश)

86. Which Indian campaign was launched in 2025 to promote mental wellness among adolescents?

किशोरों में मानसिक स्वास्थ्य को बढ़ावा देने के लिए 2025 में कौन-सा भारतीय अभियान शुरू किया गया?

- A. Fit India Movement (फिट इंडिया मूवमेंट)
C. Manodarpan 2.0 (मनोदर्पण 2.0)

- B. Mind Matters (माइंड मैटर्स)
D. Swasthya Shakti (स्वास्थ्य शक्ति)

87. Which Indian city was ranked cleanest city in the Swachh Survekshan Awards 2025?

स्वच्छ सर्वेक्षण पुरस्कार 2025 में किस भारतीय शहर को सबसे स्वच्छ शहर का दर्जा दिया गया?

- A. Bhopal (भोपाल)
C. Indore (इंदौर)

- B. Mysuru (मैसूर)
D. Surat (सूरत)

88. The 'NaMo Drone Didi' scheme aims to empower rural women by training them in:

'नमो ड्रोन दीदी' योजना का उद्देश्य ग्रामीण महिलाओं को किस क्षेत्र में प्रशिक्षित करके सशक्त बनाना है?

- A. Cybersecurity (साइबर सुरक्षा)
C. Organic farming (जैविक खेती)

- B. Drone technology (ड्रोन तकनीक)
D. Financial accounting (वित्तीय लेखांकन)

89. Which city will host the G20 Summit 2025?

G20 शिखर सम्मेलन 2025 की मेजबानी कौन-सा शहर करेगा?

- A. Paris (पेरिस)
C. New Delhi (नई दिल्ली)

- B. Tokyo (टोक्यो)
D. Johannesburg (जोहान्सबर्ग)

90. Which state launched Mission Shakti 3.0 for women's safety and empowerment?

महिलाओं की सुरक्षा और सशक्तिकरण के लिए मिशन शक्ति 3.0 किस राज्य द्वारा शुरू किया गया?

- A. Karnataka (कर्नाटक)
C. Assam (असम)

- B. Uttar Pradesh (उत्तर प्रदेश)
D. Gujarat (गुजरात)

Section: F (Social Science)

91. Which river valley is known as the "Cradle of Civilization"?

कौन-सी नदी की घाटी को "सभ्यता की जननी" कहा जाता है?

- A. Indus River (सिंधु नदी)
C. Yamuna River (यमुना नदी)

- B. Ganga River (गंगा नदी)
D. Krishna River (कृष्णा नदी)

92. The Tropic of Cancer passes through how many states of India?

कर्क रेखा भारत के कितने राज्यों से होकर गुजरती है?

A. 6

B. 7

C. 8

D. 9

93. Who was the founder of the Mauryan Empire?

मौर्य साम्राज्य का संस्थापक कौन था?

- A. Ashoka (अशोक)
C. Bindusara (बिंदुसार)

- B. Chandragupta Maurya (चन्द्रगुप्त मौर्य)
D. Bimbisara (बिंबिसार)

What is the main occupation of people living in villages?

गाँवों में रहने वाले लोगों का मुख्य व्यवसाय क्या होता है?

- | | |
|--------------------------|-----------------------|
| A. Fishing (मछली पकड़ना) | B. Farming (कृषि) |
| C. Teaching (शिक्षण) | D. Business (व्यापार) |

95. What is the imaginary line that divides the Earth into two equal halves called?

वह काल्पनिक रेखा जो पृथ्वी को दो समान भागों में बाँटती है, क्या कहलाती है?

- | | |
|---------------------------------|--|
| A. Tropic of Cancer (कर्क रेखा) | B. Tropic of Capricorn (मकर रेखा) |
| C. Equator (भूमध्य रेखा) | D. Prime Meridian (प्रधान मध्याह्न रेखा) |

96. Who was known as the "Lion of Mewar"?

किसे "मेवाड़ का शेर" कहा जाता है?

- | | |
|--|----------------------------|
| A. Maharana Pratap (महाराणा प्रताप) | B. Akbar (अकबर) |
| C. Shivaji Maharaj (छत्रपति शिवाजी महाराज) | D. Rana Sanga (राणा सांगा) |

97. Which planet is known as the "Blue Planet"?

कौन-सा ग्रह "नीला ग्रह" कहलाता है?

- | | |
|-----------------------|-------------------|
| A. Mars (मंगल) | B. Earth (पृथ्वी) |
| C. Neptune (नेपच्यून) | D. Venus (शुक्र) |

98. The Parliament of India consists of how many Houses?

भारत की संसद में कितने सदन होते हैं?

- | | |
|----------------|---------------|
| A. One (एक) | B. Two (दो) |
| C. Three (तीन) | D. Four (चार) |

99. The earliest humans lived in which period?

सबसे प्रारंभिक मानव किस काल में रहते थे?

- | | |
|----------------------------|--------------------------|
| A. Medieval Age (मध्यकाल) | B. Stone Age (पाषाण युग) |
| C. Modern Age (आधुनिक युग) | D. Iron Age (लौह युग) |

100. Which type of government is chosen by the people through voting?

किस प्रकार की सरकार को लोग मतदान के माध्यम से चुनते हैं?

- | | |
|----------------------------|-------------------------------|
| A. Monarchy (राजतंत्र) | B. Democracy (लोकतंत्र) |
| C. Dictatorship (तानाशाही) | D. Aristocracy (श्रेष्ठतंत्र) |