



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: 7

Model 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.

1.

A

B

D

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. "कठिन" का विलोम शब्द क्या है?
A. सरल / B. मुश्किल C. जटिल D. असंभव
2. "जल" का पर्यायवाची शब्द कौन-सा है?
A. नीर / B. नदी C. सागर D. तरंग
3. "विद्यार्थी पुस्तक पढ़ रहा है।" — इसमें क्रिया कौन-सी है?
A. विद्यार्थी B. पुस्तक C. पढ़ D. पढ़ रहा है
4. "नदी का पानी बह रहा है।" — यह कौन-सा वाक्य है?
A. प्रश्नवाचक B. विधानवाचक C. नकारात्मक D. विस्मयवाचक
5. "सूर्य पूर्व से निकलता है।" — इस वाक्य में कर्ता कौन है?
A. पूर्व B. सूर्य C. निकलता D. से
6. "सुख-दुख" किस प्रकार का समास है?
A. तत्पुरुष B. द्वन्द्व C. कर्मधारय D. अव्ययीभाव
7. "निराश" शब्द में कौन-सा उपसर्ग है?
A. नि / B. अ C. सु D. परा
8. "कमल जैसा सुंदर चेहरा" — इसमें कौन-सा अलंकार है?
A. रूपक / B. उपमा C. अनुप्रास D. अतिशयोक्ति
9. "अति" शब्द का अर्थ क्या है?
A. थोड़ा B. बहुत / C. कम D. केवल
10. "तूफान उठना" मुहावरे का अर्थ है?
A. हवा चलना B. बड़ा झगड़ा होना / C. बारिश आना D. पेड़ गिरना
11. "खेलना" शब्द किस भाषा वर्ग का है?
A. संज्ञा B. सर्वनाम C. क्रिया / D. विशेषण
12. "विद्या" शब्द पुल्लिङ्ग है या स्त्रीलिङ्ग?
A. पुल्लिङ्ग B. स्त्रीलिङ्ग / C. नपुंसकलिङ्ग D. दोनों
13. "गृहकार्य" में कौन-सी संधि है?
A. अच् संधि B. यण् संधि C. विसर्ग संधि D. कोई नहीं
14. "राम ने गाना गाया।" — इस वाक्य का काल कौन-सा है?
A. वर्तमान काल / B. भूतकाल C. भविष्य काल D. आज्ञा काल
15. "जिसे सब प्रिय मानें" — इसका एक शब्द क्या होगा?
A. सर्वप्रिय / B. सर्वज्ञ C. सर्वशक्तिमान D. सर्व

Section A: (English)

16. Choose the correctly spelt word:
A. Enviroment B. Environment / C. Envaironment D. Environmment
17. Choose the correct synonym of *Brave*.
A. Coward B. Bold / C. Weak D. Shy
18. Choose the antonym of *Ancient*.
A. Modern / B. Old C. Past D. Historic
19. Choose the correct tense form:
She _____ her homework before dinner.

A. finish

B. finishing

C. finished ✓

D. finishes

20. Fill in the blank with the correct article:

He is _____ honest man.

A. a

B. an ✓

C. the

D. no article

21. Choose the correct preposition:

The cat is hiding _____ the table.

A. on

B. over

C. under ✓

D. between

22. Change into passive voice:

Rita writes a letter.

A. A letter is written by Rita. ✓

B. Rita is written by a letter

C. A letter writes Rita.

D. A letter was written by Rita.

23. Change into active voice:

The cake was baked by the chef.

A. The chef bakes the cake.

B. The chef baked the cake. ✓

C. The chef baking the cake.

D. The chef is baking the cake.

24. Choose the correct form of verb:

They _____ playing football yesterday evening.

A. are

B. were ✓

C. was

D. is

25. Choose the correct phrasal verb:

He could not _____ the noise in the market.

A. put on

B. put up with ✓

C. put off

D. put in

26. Choose the correct meaning of the idiom: *A piece of cake*

A. Something very easy

B. A slice of cake

C. A difficult task

D. A sweet dish

27. Choose the correct adjective form:

This is the _____ building in our town.

A. tall

B. taller

C. tallest ✓

D. more tall

28. Choose the correct conjunction:

He will come _____ it rains or not.

A. although

B. whether

C. but

D. because

29. Choose the correct question tag:

You can swim, _____?

A. can't you

B. can you

C. do you

D. didn't you

30. Choose the correct word to fill the blank:

He is good _____ playing chess.

A. on

B. at

C. with

D. in ✓

Section: B (Mathematics)

31. A double bar graph compares boys and girls participating in sports. If 60 boys and 40 girls play cricket, the difference is:

A. 10

B. 20 ✓

C. 30

D. 40

32. The mean of 4 numbers is 10. If a new number 14 is added so approximately the new mean is:

A. 10 ✓

B. 11

C. 12

D. 14

33. The bar graph shows the number of students in different classes. The bar for Class 8 is 3.5 cm long and represents 140 students. What is the length of the bar for Class 9 which has 200 students?

A. 4 cm

B. 5 cm

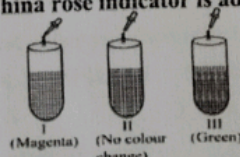
C. 6 cm

D. 7 cm

34. The mean temperature (in °C) for Monday to Friday is 24. If the temperatures for Monday to Thursday are 22, 25, 23, 26, Friday's temperature is:
- A. 20 B. 22 C. 24 D. 26
35. The mode of the data 12, 15, 18, 20, 22 is:
- A. 12 B. 15 C. No Mode D. 20
36. The range of 10, 15, 20, 25, 30 is 20. If 5 is added to each number, the new range is:
- A. 20 B. 25 C. 30 D. 35
37. The range of the data 21, 6, 17, 25, 12, 19 is:
- A. 6 B. 19 C. 21 D. 25
38. In a survey of 500 students, it was found that 380 like cricket while rest dislike it. From these students, one is chosen at random. The probability that the chosen student dislike cricket is ____.
- A. $\frac{19}{25}$ B. $\frac{6}{25}$ C. $\frac{3}{25}$ D. $\frac{6}{35}$
39. If $x = 1$ and $y = 2$, then $x^2y + y^2x$ is equal to:
- A. 3 B. 4 C. 5 D. 6
40. If $4^x = 64$, then find the value of 12^{2x-6}
- A. 1 B. 2 C. 3 D. 4
41. A class has girls and boys in a ratio of 4:5, Among the girls, the ratio of mathematics to physics students is 3:1. If the ratio of mathematics and physics students in the entire class is 3:2, then what percentage of class comprises girls studying mathematics?
- A. 33.3% B. 30% C. 25% D. 18%
42. The sum of three consecutive even numbers are 24. If the smallest of the three numbers is n, then find the largest number.
- A. 6 B. 10 C. 8 D. 12
43. 1500 sheets are required to make 100 notebooks. How many sheets will be required to make 12 notebooks?
- A. 180 B. 200 C. 120 D. 100
44. The product of two numbers is $16/3$. If one of the numbers is $26/3$, then find the other number.
- A. $1/13$ B. $8/13$ C. $9/13$ D. $16/9$
45. A student observed a quadrilateral in which the diagonals are perpendicular to each other and it satisfies all the properties of a rectangle. What type of quadrilateral, is it?
- A. Rectangle B. Rhombus C. Square D. Parallelogram

Section: D (Science)

46. Which of the following is not correctly poured?
- A. Autotrophic-Neem Tree. B. Saprophytic-mushroom.
C. Parasitic - Pitcher Plant. D. Insectivorous-Venus Flytrap.
47. At what site in leaf cells does chlorophyll absorb sunlight for photosynthesis?
- A. Stroma. B. Grana. C. Guard plants. D. Midrib.
48. Which structure helps plants balance CO_2 and O_2 level in atmosphere?
- A. Guard cells B. Roots C. Xylem Cells D. Haustoria
49. Given figure shows the colour changes when China rose indicator is added in test tubes I, II and III. Identify the solutions present in test tubes I, II and III.



- | I | II | III |
|-------------------|----------------|---------------|
| A. Sugar solution | Lime water | Baking powder |
| B. Sugar solution | Lemon juice | Vinegar |
| C. Lime water | Sugar solution | Lemon juice |
| D. Lemon juice | Sugar solution | Lime water |

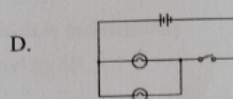
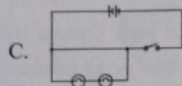
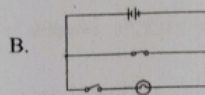
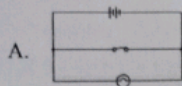
50. Which of the following solution will turn red litmus blue?

- A. Vinegar. B. Lime water. C. Curd. D. Lemon Juice.

51. Which salt is acidic in nature?

- A. NaCl. B. NH_4Cl . C. Na_2SO_4 . D. KCl.

52. In which of the following circuits bulb will glow?



53. A fuse wire is made of alloy.

- A. Nichrome. B. Tin-lead.
C. Manganin. D. Constantan.

54. Biotic factors are the:

- A. Non-living parts of an ecosystem. B. Weather and Climate.
C. Living organisms in an ecosystem. D. None of these

55. Objects that emit light are:

- A. Illuminated B. Luminous C. Opaque D. Transparent

56. What does the Golgi apparatus do?

- A. Breaks down food B. Makes protein
C. Directs cell activity D. Moves proteins

57. These two factors determine the strength of the force of friction.

- A. Speed and light.
B. How fast the objects are going and on what planet.
C. How big the objects are and how hard you push them.
D. How hard the surfaces push together and the types of surfaces involved.

58. The best definition of force is:

- A. A push or pull. B. Stored energy.
C. Energy in motion. D. Anything that takes up space.

59. Which plant structure performs most of the photosynthesis for a plant?

- A. Roots B. Stems C. Leaves D. Flowers

60. Thermal energy can be transferred by:

- A. Conduction only B. Convection only
C. Radiation only D. Conduction, Convection & Radiation

Section: B (Reasoning)

61. In a class, Vishal ranks 10th from the top and Rahul ranks 6th from the bottom. If there are 12 students between them, then the total number of students in the class is _____.

- A. 28 B. 25 C. 30 D. 27

62. Arrange the given word in a meaningful logical order and then select the appropriate Sequence from the given options.

1. TIGER 2. ANT 3. RABBIT 4. ELEPHANT 5. FROG

- A. 5, 3, 1, 2, 4 B. 2, 5, 3, 1, 4 C. 3, 2, 5, 4, 1 D. 1, 5, 3, 2, 4

63. If today is Wednesday, then what day will be after 23 days?

- A. Sunday B. Monday C. Saturday D. Friday

64. 43 boys are standing in a row facing the North. Vishal is 23rd from the left end. If he is shifted Five places to the left, then what is his position from the right end?

- A. 27th B. 26th C. 25th D. 29th

65. Which of the letters in the word ORANGE remains unchanged, when they are arranged in alphabetical order?

- A. 1 B. 3 C. 4 D. 6

66. Which of the following interchanges in signs would make the given equation correct?

$$14 \times 7 - 14 + 10 \div 12 = 5$$

- A. $\times$ and + B. + and - C. $\div$ and - D. $\div$ and $\times$

67. If '+' denotes '-', '-' denotes ' $\times$ ', ' $\times$ ' denotes '+' and ' $\div$ ' denotes '+', then what is the value of

$$23 \times 5 - 10 + 2 \div 8?$$

- A. 40 B. 50 C. 35 D. 45

68. How many 3's are there in the given sequence each of which is immediately preceded by an odd number but not immediately followed by 6?

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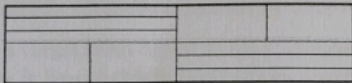
- A. None B. One C. Two D. More than two

69. Which of the following interchanges of signs would make the given equation true?

$$21 \div 3 + 7 \times 3 - 12 = 40$$

- A. + and - B. $\div$ and $\times$
C. + and $\times$ D. $\div$ and +

70. How many rectangles are there in the figure given below?



- A. 16 B. 17 C. 18 D. More than 18

Section: E (General Knowledge)

71. What is the name of the line that divides the Earth into Eastern and Western Hemispheres?

पृथ्वी को पूर्वी और पश्चिमी गोलार्ध में बाँटने वाली रेखा का नाम क्या है?

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

72. Which vitamin is produced by the human body when exposed to sunlight?

सूर्य के प्रकाश में आने पर शरीर में कौन-सा विटामिन बनता है?

- A. Vitamin A B. Vitamin B C. Vitamin C D. Vitamin D

73. Which mountain range separates Europe and Asia?

कौन-सी पर्वतमाला यूरोप और एशिया को अलग करती है?

- A. Himalayas (हिमालय)
B. Ural Mountains (यूरल पर्वत)
C. Andes (एंडीज)
D. Rockies (रॉकी पर्वत)

74. Which country is known for its policy of non-alignment?

कौन-सा देश गुटनिरपेक्ष नीति के लिए प्रसिद्ध है?

- A. India (भारत) B. China (चीन) C. Russia (रूस) D. United States (अमेरिका)

75. In which month is World Environment Day celebrated globally?

विश्व पर्यावरण दिवस किस महीने में मनाया जाता है?

- A. March (मार्च) B. June (जून) C. September (सितंबर) D. December (दिसंबर)

76. What is the chemical symbol of water?

जल का रासायनिक संकेत क्या है?

- A. WtO B. H_2O C. HO_2 D. O_2H

77. Who wrote the Indian national anthem "Jana Gana Mana"?

भारतीय राष्ट्रगान "जन गण मन" किसने लिखा?

- A. Rabindranath Tagore (रवीन्द्रनाथ टैगोर)
- B. Bankim Chandra Chattopadhyay (बंकिमचंद्र चट्टोपाध्याय)
- C. Sarojini Naidu (सरोजिनी नायडू)
- D. Harivansh Rai Bachchan (हरिवंश राय बच्चन)

78. What is the capital city of Australia?

ऑस्ट्रेलिया की राजधानी क्या है?

- A. Sydney (सिडनी)
- B. Melbourne (मेलबर्न)
- C. Canberra (कैनबरा)
- D. Perth (पर्थ)

79. Which gas do plants absorb from the atmosphere during photosynthesis?

प्रकाश संश्लेषण के दौरान पौधे वायुमंडल से कौन-सी गैस लेते हैं?

- A. Oxygen (ऑक्सीजन)
- B. Nitrogen (नाइट्रोजन)
- C. Carbon Dioxide (कार्बन डाइऑक्साइड)
- D. Hydrogen (हाइड्रोजन)

80. What is the hardest natural substance found on Earth?

पृथ्वी पर पाया जाने वाला सबसे कठोर प्राकृतिक पदार्थ कौन-सा है?

- A. Gold सोना
- B. Iron लोहा
- C. Diamond हीरा
- D. Quartz क्वार्ट्ज

Section: G (Current Affair)

81. India has set a target fiscal deficit of what percent of GDP for 2025-26?

भारत ने 2025-26 के लिए जीडीपी के कितने प्रतिशत राजकोषीय घाटे का लक्ष्य रखा है?

- A. 3.5%
- B. 4.4%
- C. 5.0%
- D. 6.0%

82. On May 7 2025, India conducted its first nationwide civil defence mock drill since 1971 in how many districts?

7 मई 2025 को भारत ने 1971 के बाद पहली बार देशव्यापी नागरिक सुरक्षा मॉक ड्रिल कितने जिलों में की?

- A. 100
- B. 200
- C. 244
- D. 300

83. The next national census in India will include caste enumeration for the first time since 1931.

भारत की अगली जनगणना में 1931 के बाद पहली बार जाति गणना शामिल की जाएगी।

- A. True सही
- B. False गलत

84. In 2025, India approved a programme to launch how many surveillance satellites from 2026?

वर्ष 2025 में भारत ने 2026 से कितने निगरानी उपग्रह प्रक्षेपित करने का कार्यक्रम स्वीकृत किया?

- A. 40
- B. 52
- C. 60
- D. 75

85. The Constitution (130th Amendment) Bill 2025 proposes that ministers detained for how many consecutive days may be removed?

संविधान (130वां संशोधन) विधेयक 2025 के अनुसार, कितने दिनों तक हिरासत में रहने पर मंत्री पद से हटाया जा सकता है?

- A. 15
- B. 20
- C. 30
- D. 45

86. The historic sword of Maratha royal Raghuji Bhonsle I returned to which Indian state in 2025?

मराठा शासक रघुजी भोंसले प्रथम की ऐतिहासिक तलवार 2025 में भारत के किस राज्य में वापस आई?

- A. Maharashtra (महाराष्ट्र)
- B. Gujarat (गुजरात)
- C. Rajasthan (राजस्थान)
- D. Madhya Pradesh (मध्य प्रदेश)

87. In 2025, Reliance Industries and Meta announced a joint venture in which sector?

2025 में रिलायंस इंडस्ट्रीज़ और मेटा ने किस क्षेत्र में संयुक्त उपक्रम की घोषणा की?

- A. Renewable energy (नवीकरणीय ऊर्जा)
- B. Artificial intelligence & Digital services (कृत्रिम बुद्धिमत्ता व डिजिटल सेवाएँ)
- C. Automobile manufacturing (ऑटोमोबाइल निर्माण)
- D. Pharma research (दवा अनुसंधान)

88. Indian NGO Educate Girls won which international award in 2025?

भारतीय संस्था एजुकेट गर्ल्स को 2025 में कौन-सा अंतरराष्ट्रीय पुरस्कार मिला?

- A. Nobel Peace Prize (नोबेल शांति पुरस्कार)
- B. Ramon Magsaysay Award (रमोन मैगसेसे पुरस्कार)
- C. UNESCO Prize (यूनेस्को पुरस्कार)
- D. Global Teacher Prize (ग्लोबल टीचर प्राइज)

89. In 2025, India replaced the Income-Tax Act 1961 with a new law effective from April 2026.
2025 में भारत ने आयकर अधिनियम 1961 को नए अधिनियम से बदल दिया है जो अप्रैल 2026 से लागू होगा।
A. True (सही) B. Partly True (आंशिक रूप से सही)
C. Not Sure (निश्चित नहीं) D. False (गलत)

90. The conference "Semicon India 2025" focused on which national mission?
"सेमिकॉन इंडिया 2025" सम्मेलन का मुख्य उद्देश्य किस मिशन को बढ़ावा देना था?
A. India Space Mission (भारत अंतरिक्ष मिशन)
B. India Semiconductor Mission (भारत सेमीकंडक्टर मिशन)
C. India Green Energy Mission (भारत हरित ऊर्जा मिशन)
D. India Digital Mission (भारत डिजिटल मिशन)

Section: F (Social Science)

91. Who was the first Mughal Emperor of India?

भारत का पहला मुगल बादशाह कौन था?

- A. Akbar B. Babar C. Humayun D. Shah Jahan

92. Which is the longest river in India?

भारत की सबसे लंबी नदी कौन सी है?

- A. Yamuna B. Ganga C. Brahmaputra D. Godavari

93. Who is known as the "Father of the Nation"?

राष्ट्रपिता किसे कहा जाता है?

- A. Mahatma Gandhi B. Jawaharlal Nehru
C. Sardar Patel D. Dr. Ambedkar

94. When did India get independence?

भारत को स्वतंत्रता कब मिली?

- A. 15 August 1947 B. 26 January 1950
C. 2 October 1947 D. 14 August 1948

95. Which continent is the largest in the world?

दुनिया का सबसे बड़ा महाद्वीप कौन सा है?

- A. Africa B. Asia C. Europe D. Australia

96. Who built the Taj Mahal?

ताजमहल किसने बनवाया था?

- A. Akbar B. Shah Jahan C. Aurangzeb D. Jahangir

97. Which is the national animal of India?

भारत का राष्ट्रीय पशु कौन सा है?

- A. Elephant B. Tiger C. Lion D. Deer

98. Which gas do plants take in during photosynthesis?

पौधे प्रकाश संश्लेषण के दौरान कौन सी गैस ग्रहण करते हैं?

- A. Oxygen B. Carbon dioxide
C. Nitrogen D. Hydrogen

99. How many colors are there in the Indian flag?

भारतीय झंडे में कितने रंग होते हैं?

- A. Two B. Three C. Four D. Five

100. What is the shape of the Earth?

पृथ्वी का आकार कैसा है?

- A. Flat B. Spherical C. Square D. Triangle