CPSAT

CODE-21

Scholarship & Admission Test
Class – 7th

Duration: 1:30 hours   *Maximum marks: 200*

Name .... **Roll Number** ....

SCIENCE

PHYSICS

Q.1 Filament of a bulb is made up of
(1) Aluminium   (2) Chromium
(3) Platinum   (4) Tungesten

Q.2 Magnets have a shape
(1) cylindrical   (2) ball ended
(3) horse shoe   (4) all of these

Q.3 To prevent electric shocks, the metallic electrical wires are covered with
(1) Paper   (2) Cotton
(3) Aluminium   (4) Plastic

Q.4 Which one of the following statement is incorrect
(1) North pole of a magnet attracts south pole of another magnet.
(2) A horseshoe magnet has two poles.
(3) North pole of a magnet attracts north pole of another magnet.
(4) None of these

Q.5 The image formed on a cinema screen is an example of :-
(1) real image
(2) virtual image
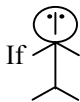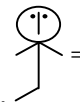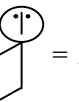(3) simple image
(4) all of these

CHEMISTRY
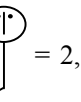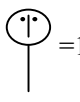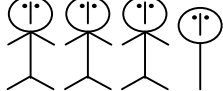
Q.6 Condensation is the process in which:
(1) water converts into vapours
(2) water converts into ice
(3) vapours convert into water
(4) all of these

Q.7 The clothes dry in the sunlight by the process of :
(1) condensation   (2) evaporation
(3) drought   (4) transpiration

Q.8 Air contains _____ oxygen.
(1) 100%   (2) 50%
(3) 25%   (4) 21%

Q.9 Which gas in the atmosphere is essential for respiration ?
(1) oxygen   (2) nitrogen
(3) carbon dioxide   (4) argon

BIOLOGY

Q.10 The main site of digestion is
(1) Trachea   (2) small intestine
(3) stomach   (4) large intestine

Q.11 Ruminants are -
(1) plant eaters
(2) animal eaters
(3) both plant and animal eaters
(4) saprotrophs

Space for rough work

Q.12 Transfer of pollen to stigma is -
(1) Induction (2) pollination
(3) emasculation (4) none of these

Q.13 The major portion of cell-sap (cytoplasm) consist of -
(1) glucose (2) water
(3) lipid particles (4) residual particles

MATHEMATICS

Q.14 Which of the following is an improper fraction?
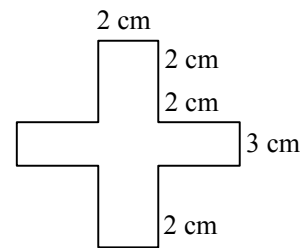(1) $\dfrac{3}{4}$ (2) $\dfrac{4}{3}$ (3) $\dfrac{4}{7}$ (4) $\dfrac{5}{16}$

Q.15 Which of the following is an improper fraction ?
(1) $\dfrac{4}{7}$ (2) $\dfrac{7}{8}$ (3) $\dfrac{8}{8}$ (4) $\dfrac{8}{9}$

Q.16 136 cm = _____ m
(1) 1 (2) 1.36
(3) 13.6 (4) 136

Q.17 11 rupees 23 paise = Rs _____
(1) 123 (2) 11.23
(3) 11 (4) 112

Q.18 The bars used to count frequencies are called :
(1) bars (2) tally marks
(3) range (4) none of these

Q.19 If = 5, = 4, = 3, = 2, and = 1, then

 = _____ .

(1) 8 (2) 12 (3) 16 (4) 32

Q.20 The perimeter of following figure is :

2 cm
2 cm
2 cm
3 cm
2 cm

(1) 42 cm (2) 24 cm (3) 36 cm (4) 26 cm

Q.21 A rectangular park is 55 m wide and 89 m long. Find cost of fencing it at the rate of Rs 22.50 per 100 metres.
(1) 1700 (2) 1600
(3) 1639.80 (4) 16398

Q.22 The expression for "decrease the sum of a and b from 20"
(1) 20 – (a + b) (2) (a – 20) + (a – 20)
(3) (a + b) – 20 (4) (a + 20) + (b + 20)

Space for rough work

Q.23 The variables in the algebraic term "–5pqr" are

(1) –5p and –5qr   (2) –q, –p and –r

(3) p, q, r   (4) none of these

Q.24 If $\dfrac{x}{21} = \dfrac{24}{63}$, then x is ;

(1) 5   (2) 6   (3) 7   (4) 8

Q.25 The weight of 72 books is 9 kg. What is the weight of 40 such books?

(1) 2 kg   (2) 1 kg

(3) 5 kg   (4) 10 kg

Q.26 A scalene triangle has :

(1) 3 lines of symmetry

(2) 2 lines of symmetry

(3) 1 line of symmetry

(4) no lines of symmetry

Q.27 The area of a rectangular garden 50 m long is 300 sq. m. Find the width of the garden.

(1) 6 m   (2) 3 m

(3) 12 m   (4) 18 m

Q.28 Ravi purchased 5 kg 400 g rice, 2 kg 20 g sugar and 10 kg 850 g flour. Find the total weight of his purchases.

(1) 182.70 kg   (2) 18 kg

(3) 18.270 kg   (4) 8.270 kg

Q.29 Namita travels 20 km 50 m every day. Out of this she travels 10 km 200 m by bus the rest by auto. How much distance does she travel by auto?

(1) 985 km   (2) 9 km

(3) 98 km   (4) 9.850 km

SOCIAL SCIENCE

Q.30 Who is known as the 'Shakespeare of India' ?

(1) Harisena   (2) Chanakya

(3) Kalidasa   (4) Samudragupta

Q.31 Who was the famous ruler of the Chalukya Dynasty?

(1) Pulakeshin II

(2) Rudra Singh III

(3) Devapala

(4) Ravikirti

Q.32 Name the part where sand dunes are found.

(1) The Great Mountains

(2) The Central Highlands

(3) The Peninsular Plateau

(4) The Indian Desert

Q.33 Changes in atmospheric conditions is called.

(1) Climate   (2) Weather

(3) Pressure   (4) Temperature

Space for rough work

Q.34 The owner of a land above five hectares is called :

(1) a small farmer   (2) a blacksmith

(3) a fisherman   (4) a big farmer

Q.35 People working in the offices can be categorised into :

(1) Daily wage workers and factory workers

(2) Permanent and casual workers

(3) Both (1) and (2)

(4) None of these

Q.36 Who amongst the following is the head of the district ?

(1) Sarpanch

(2) Station House Officer

(3) Deputy Commissioner

(4) Police Commissioner

ENGLISH

Choose the correct alternative : -

Q.37 Do you know _____ train is going to Kolkata ?

(1) which   (2) what

(3) whose   (4) none of these

Q.38 Would you like to buy _____ apples?

(1) this   (2) that

(3) there   (4) these

Q.39 We like _____ school.

(1) my   (2) our

(3) its   (4) none of these

Q.40 _____ anybody willing to donate for the cause of the poor?

(1) Is   (2) Are

(3) Am   (4) None of these

Q.41 _____ enough salt in this vegetable?

(1) There's   (2) There're

(3) Are there   (4) Is there

Q.42 I usually travel to nearby places _____ bus.

(1) at   (2) on   (3) in   (4) by

Q.43 Do you want _____ to the airport with me ?

(1) come   (2) coming

(3) to come   (4) none of these

MENTAL ABILITY

Q.44
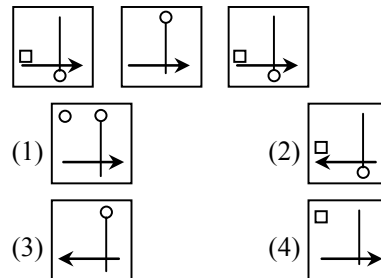
Space for rough work

Q.45 If '+' means 'divided by', '−' means 'multiplied by', '×' means 'minus' and '÷' means 'plus', then $8 + 6 − 2 ÷ 4 × 4 = ?$

(1) 12   (2) $\dfrac{8}{3}$ (3) $\dfrac{-52}{9}$ (4) $1\dfrac{1}{2}$

Q.46 If TENDER is written as 'XIRHIV', how will you write 'HOTEL'

(1) KRVHO   (2) LSWIP

(3) LSVIP   (4) LSXIP

Q.47 mnonopqopqrs_ _ _ _ _ _ .

(1) mnopq   (2) oqrst

(3) pqrst   (4) qrstu

Q.48 Choose the odd pair of words:

(1) painter : gallery   (2) actor : stage

(3) mason : wall   (4) farmer : field

Q.49

(1) 1   (2) 36   (3) 216   (4) 1944

Q.50 Which of the following number do not fit in the given series.

2, 3, 6, 18, 108, 1844.

(1) 6   (2) 18   (3) 108   (4) 1844

Space for rough work