CPSAT

Scholarship & Admission Test
Class – 8th

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

INSTRUCTIONS TO CANDIDATES

➢ CP-SAT Test paper consists of total 50 questions.

➢ Paper Pattern:

o	General Science	13 Questions	Que. No. 01 to 13
o	Mathematics	16 Questions	Que. No. 14 to 29
o	Social Studies	07 Questions	Que. No. 30 to 36
o	English	07 Questions	Que. No. 37 to 43
o	Mental Ability	07 Questions	Que. No. 44 to 50

➢ All questions are compulsory.

➢ These questions have multiple choices but only one answer is correct out of them.

➢ Four marks will be allotted to each right answer.

➢ There is no Negative marking.

➢ The answer sheet is supplied with this question paper and you are advised to indicate your answer on this Answer Sheet only.

➢ Rough work should be done only on the blank spaces provided. Extra paper will not be supplied.

➢ Mobile / Calculator are not allowed during the exam.

➢ Any kind of malpractice will expel you from exam immediately.

➢ For any queries please contact to invigilator.

➢ For any kind of suggestions or complaints send Email at info@careerpointgroup.com

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

SCIENCE

PHYSICS

Q.1 A quantity has a value of –6.0 m/s. It may be the -
(1) speed of a particle
(2) position of a particle
(3) velocity of a particle
(4) Acceleration of a particle

Q.2 If a particle moves with a constant speed, the distance-time graph is a -
(1) straight line   (2) circle
(3) polygon   (4) none of these

Q.3 Atmospheric pressure _____ with an increase in altitude.
(1) increases   (2) decreases
(3) remain same   (4) none

Q.4 The relation between angle of reflection & angle of incidence is -
(1) $\angle i < \angle r$ (2) $\angle i > \angle r$
(3) $\angle i = \angle r$ (4) None

Q.5 If we mix lights of the colours of the Rainbow, we will get -
(1) pink light   (2) brown light
(3) colourless light   (4) black light

CHEMISTRY

Q.6 Larva of silkworm is known as –
(1) Caterpillar   (2) Silkworm
(3) Pupa   (4) Cocoon

Q.7 Where do the metals which can displace hydrogen from water at room temperature appear in the reactivity series ?
(1) near the top   (2) at the bottom
(3) in the middle   (4) next to hydrogen

Q.8 Graphite conduct electricity, due to presence of –
(1) free electron   (2) free carbon atom
(3) free layer   (4) free covalent bonds

Q.9 Which of the following is used in vermi processing toilets?
(1) Cockroach   (2) Earthworm
(3) Both of these   (4) None of these

BIOLOGY

Q.10 Urea is a waste produced in the process of the breaking down of -
(1) Protein   (2) Fats
(3) Carbohydrate   (4) Sugar

Q.11 The opening of a urinary bladder is -
(1) Nephron   (2) Urethra
(3) Urcter   (4) Nephridia

Q.12 In plants excess amount of carbon dioxide escape through the -
(1) Stomata   (2) Phloem
(3) Xylem   (4) Cambium

Q.13 Air tube of an insect is called -
(1) Spiracle   (2) Larynx
(3) Pharynx   (4) Gills

Space for rough work

MATHEMATICS

Q.14 In an isosceles right triangle each of the acute angle is:
(1) 30°   (2) 45°   (3) 60°   (4) 90°

Q.15 If A : B = a : b and B : C = b : c then A : B : C is
(1) a : 2b : c   (2) a : b : c

(3) $a : \dfrac{b}{2} : c$ (4) a : c

Q.16 If two angles and included side of a triangle are correspondingly equal to two angels and the included side, then the two triangles are congruent by:
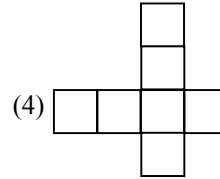(1) SSS congruency
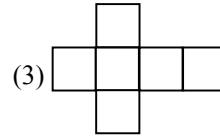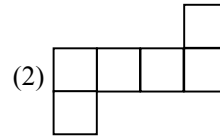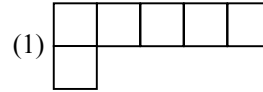(2) RHS congruency
(3) SAS congruency
(4) ASA congruency

Q.17 Dice are cubes with dots on each face. Opposite faces of a die always have a total of:
(1) 6 dots on them
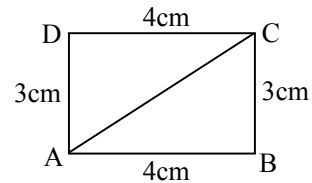(2) 7 dots on them
(3) 8 dots on them
(4) 9 dots on them

Q.18 The additive inverse of $-\dfrac{4}{5}$ is:

(1) $\dfrac{4}{5}$ (2) $\dfrac{5}{4}$

(3) $\dfrac{-5}{4}$ (4) $\dfrac{4}{-5}$

Q.19 Which of the following is not the net of a cube?

(1)

(2)

(3)

(4)

Q.20 In the figure, ABCD is a rectangle. The length of the diagonal AC is:

(1) 7 cm   (2) 25 cm   (3) 5 cm   (4) $\sqrt{7}$

Q.21 If a : b = 1 : 2 and b : c = 3 : 4, then a : c is:
(1) 3 : 8   (2) 8 : 3   (3) 2 : 3   (4) 3 : 2

Q.22 If three sides of a triangle are correspondingly equal to three sides of another triangles, then the two triangles are congruent by:
(1) RHS congruency   (2) SSS congruency
(3) SAS congruency   (4) ASA congruency

Space for rough work

Q.23 The co-efficient of x^2 in $-x^2$ is:

(1) 0　　(2) 1　　(3) -1　　(4) x

Q.24 The standard form of $\dfrac{55}{-99}$ is:

(1) $\dfrac{5}{-9}$ (2) $\dfrac{-5}{9}$

(3) $\dfrac{-55}{99}$ (4) none of these

Q.25 If the length of a side of a triangle is 15 cm. The difference of other two sides of this triangle must be:

(1) equal to 15 cm

(2) more than 15 cm

(3) less than 15 cm

(4) 7.5 cm

Q.26 If a : b = 1 : 2 and b : c = 3 : 4 then a : c is

(1) 3 : 8　(2) 8 : 3　(3) 2 : 3　(4) 3 : 2

Q.27 RHS congruence condition is applicable to two

(1) right-angled triangles

(2) acute-angled triangles

(3) equilateral angles

(4) Scalene triangles

Q.28 Which of the solid has no vertex?

(1) Cone (2) Cylinder

(3) Cube (4) Cubiod

Q.29 One side of an equilateral triangle is $3x - y^2$. Its perimeter is:

(1) $9x + 3y^2$ (2) $9x - 3y^2$

(3) $3x - 3y^2$ (4) $9x - y^2$

SOCIAL SCIENCE

Q.30 King Anangabhima lll dedicated his empire to

(1) Lord Krishna

(2) Lord Jagannatha

(3) Lord Vishnu

(4) none of these

Q.31 Third Battle of Panipat was fought in year _____ .

(1) 1762 (2) 1760

(3) 1761 (4) 1764

Q.32 Farmers sell their cotton to traders at a _____ price.

(1) High (2) Low

(3) Medium (4) None of these

Q.33 Weekly market sells items like

(1) vegetables (2) groceries

(3) utensils (4) all of these

Q.34 In which continent is Libya located?

(1) Asia

(2) Australia

(3) North America

(4) Africa

Q.35 The process in which animals are reared and grazed for subsistence is known as

(1) Pastoralism

(2) Commercial farming

(3) Gathering

(4) Subsistence farming

Space for rough work

Q.36 A primitive type of subsistence farming which causes deforestation
(1) Extensive cultivation
(2) Intensive farming
(3) Slash and burn cultivation
(4) Terrace cultivation

ENGLISH

Q.37 I _____ sugar in my coffee when you came.
(1) putted   (2) was putting
(3) did put   (4) put

Q.38 I _____ my cousins from Jamshedpur for the first time, last Saturday.
(1) meet   (2) did met
(3) met   (4) was met

Q.39 He promised he _____ miss taking his medicines on time.
(1) would   (2) wouldn't
(3) could   (4) shouldn't

Q.40 This looks _____ sugar, not salt.
(1) like   (2) on
(3) at   (4) off

Q.41 Every evening, Monica _____ her kids for swimming. (drive)
(1) drive   (2) driving
(3) drives   (4) drove

Q.42 However, Sharmila _____ there. (be, not)
(1) was being   (2) had not been
(3) had been   (4) was not

Q.43 Please, _____ the page.
(1) bring up   (2) set up
(3) turn over   (4) go down

MANTAL ABILITY (MAT)

Q.44 If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH ?
(1) 246173   (2) 214673
(3) 214763   (4) 216473

Q.45 8, 13, 18, 11, 16, 21, 16, 21, 26, ? ? ?
(1) 28, 33, 38   (2) 23, 28, 33
(3) 22, 27, 32   (4) 21, 26, 31

Q.46 Amit said, "This girl is the wife of the grandson of my mother." How is Amit related to the girl ?
(1) Father   (2) Father-in-law
(3) Grandfather   (4) Husband

Q.47 A girl leaves from her home. She first walks 30 metres in North-west direction and then 30 metres in South-west direction. Next, she walks 30 metres in South-east direction. Finally, she turns towards her house. In which direction is she moving ?
(1) North-east   (2) North-west
(3) South-west   (4) None of these

Space for rough work

Q.48

16 8 9 5
(16 top, 9 left, 8 center, 5 right, 12 bottom)
15 top, 11 left, 4 center, 9 right, 13 bottom
18 top, 9 left, ? center, 7 right, 15 bottom

(1) 24 (2) 5 (3) 28 (4) 27

Q.49 BD, GI, LN, QS, ?
(1) TV (2) UW
(3) WX (4) VX

Q.50 On the basis of two figures of dice, you hav to tell what number will be on the opposite face of number 5 ?

6 / 3 / 4 (i)   5 / 1 / 3 (ii)

(1) 1 (2) 3 (3) 4 (4) 5

Space for rough work