

Discover the Star within you and Get Rewarded

Sample Paper

CAREER POINT STAR

Scholastic Test for Analysis and Reward

CLASS - 9th

(Class 9th Studying Students)

Duration: 1:00 hours

Maximum Marks: 100

Instructions to Candidates

- CP Star Test paper consists of total 50 questions and has been divided in three sections as follows:

a. Science	24 Questions	Que. No. 01 to 24
b. Maths	16 Questions	Que. No. 25 to 40
c. Mental Ability	10 Questions	Que. No. 41 to 50
- All questions are compulsory.
- All the answers will be encircled in OMR sheet which is being provided along with this paper.
- For every correct answer marked by you, **2** marks will be allotted.
- For every incorrect answer marked by you, **0** marks will be deducted.
- Use of calculator is not permitted in any case.
- Any kind of malpractice will expel you from exam immediately.
- For any confusion please talk to the invigilator in the examination hall.
- For any kind of suggestions or complaints send Email at cpinfo@cpuniverse.in

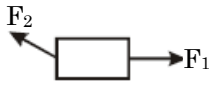


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निरीक्षक के अनुदेशों के बिना पेपर न खोलें

SCIENCE

- Q.1** Displacement is
(1) a scalar quantity (2) a vector quantity
(3) derived quantity (4) always positive
- Q.2** A jeep starts from rest and attains a speed of 40 km h^{-1} in 10 minutes. The uniform acceleration will be
(1) 40 km h^{-2} (2) 400 km h^{-2}
(3) 240 km h^{-2} (4) 2400 m s^{-2}
- Q.3** Negative value of acceleration signifies
(1) the velocity is increasing.
(2) the velocity is decreasing.
(3) the velocity remains the same.
(4) the object comes to rest.
- Q.4** A cyclist moving on a circular track of radius 40 m completes half a revolution in 40 sec. Its average velocity is
(1) zero. (2) 4 m/s. (3) 2 m/s. (4) 8 m/s.
- Q.5** The law that gives a qualitative definition of force is
(1) Newton's second law of motion.
(2) law of inertia.
(3) Newton's third law of motion.
(4) law of gravitation.
- Q.6** State whether the following pair of force could be on action-reaction pair or not?
- 
- (1) Not an action-reaction pair
(2) Is an action-reaction pair
(3) Depends on situation
(4) None of these
- Q.7** A ball of mass 0.5 kg moving with a velocity of 2 m/sec strikes a wall normally and bounces back with the same speed. If the time of contact between the ball and the wall is one millisecond, the average force exerted by the wall on the ball is
(1) 2000 N. (2) 1000 N.
(3) 500 N. (4) 125 N.
- Q.8** A body of mass 5 kg moving with a velocity 10 m/s collides with another body of the mass 20 kg at rest and comes to rest. Velocity of the second body due to collision is
(1) 2.5 m/s. (2) 5 m/s.
(3) 7.5 m/s. (4) 10 m/s.
- Q.9** If ice and water both have the same temperature of 0°C , the kinetic energy of water molecules is _____.
(1) high in both water and ice.
(2) low in both water and ice.
(3) lower in water than ice.
(4) higher in water than ice.
- Q.10** Melting points of four solids A, B, C & D are 773°C , 826°C , 932°C and 1238°C respectively. The one which has strongest force of attraction between its particles is _____.
(1) A (2) B (3) C (4) D
- Q.11** The following that determines the state of the matter is _____.
(1) pressure and temperature.
(2) pressure and volume.
(3) volume and temperature.
(4) temperature.

Space for rough work

Q.12 The liquid which is volatile in nature is _____.
(1) milk (2) vegetable oil
(3) petrol (4) honey

Q.13 Which of the following is a compound?
(1) Stainless steel (2) Brass
(3) Iron sulphide (4) Diamond

Q.14 The example of solution of liquid in gas is-
(1) Dry air (2) Sugar in water
(3) Mercury in gold (4) Mist

Q.15 A Mixture of salt and sand can be separated by which of the following methods?
(1) Filtration followed by sublimation
(2) Decantation followed by distillation
(3) Filtration followed by evaporation
(4) Centrifugation followed by distillation

Q.16 Which of the following is in elemental form?
(1) Water (2) Graphite
(3) Calcium oxide (4) Ammonia

Q.17 The cell swells up in solution
(1) Hypertonic solution
(2) Hypotonic solution
(3) Isotonic solution
(4) None of them

Q.18 Who proposed the Black reaction?
(1) Benda (2) Camillo Golgi
(3) Schleiden (4) Virchow

Q.19 Carbon dioxide or oxygen can move across the cell membrane by a process called.....
(1) Reverse Osmosis (2) Diffusion
(3) Transportation (4) Circulation

Q.20 Functional segment of DNA is called
(1) RNA (2) Gene
(3) Chromosome (4) None of them

Q.21 Which of the following helps in repair of tissue and fills up the space inside the organ?
(1) Tendon (2) Adipose tissue
(3) Areolar tissue (4) Cartilage

Q.22 Cardiac muscles are present in the
(1) heart. (2) kidney.
(3) liver. (4) small intestine.

Q.23 Xylem and Phloem are
(1) parenchyma.
(2) simple tissues.
(3) simple permanent tissues.
(4) complex permanent tissues.

Q.24 The fluid matrix of the blood is
(1) platelet. (2) hormones.
(3) plasma. (4) salts.

MATHEMATICS

Q.25 Every rational number is:
(1) Whole number (2) Natural number
(3) Integer (4) Real number

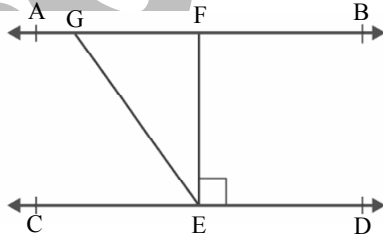
Q.26 Which of the following is irrational?
(1) $\sqrt{\frac{4}{9}}$ (2) $\frac{4}{5}$ (3) $\sqrt{7}$ (4) $\sqrt{81}$

Q.27 $x - x^3$ is a _____ polynomial.
(1) Linear (2) Quadratic
(3) Cubic (4) None of the above

Q.28 If $x^2 + kx + 6 = (x + 2)(x + 3)$ for all x , find the value of k .
(1) -1 (2) 1 (3) 3 (4) 5

Space for rough work

- Q.29** The lines, $x = 2$ and $y = 3$ are
 (1) parallel to each other
 (2) perpendicular to each other
 (3) neither parallel nor perpendicular to each other
 (4) none of these
- Q.30** The point P lying in the fourth quadrant which is at a distance of 4 units from X-axis and 3 units from Y-axis is _____.
 (1) (4, -3) (2) (4, 3)
 (3) (3, -4) (4) (-3, 4)
- Q.31** The point (0, 3) lies on
 (1) +ve x-axis (2) +ve y-axis
 (3) -ve x-axis (4) -ve y-axis
- Q.32** Two numbers are in the ratio 3: 4. If 5 is subtracted from each .then the ratio will be 2 : 3. What is the smallest number?
 (1) 15 (2) 18 (3) 20 (4) 24
- Q.33** The value of K if the linear equations $x + 2y = 3$ and $5x + ky + 7 = 0$ has unique solution is
 (1) $K \neq 1$ (2) $K \neq 10$
 (3) $K \neq 5$ (4) $K \neq 15$
- Q.34** The line $y - 2 = 0$ is
 (1) parallel to x-axis.
 (2) parallel to y-axis.
 (3) does not pass through origin.
 (4) passing through origin.
- Q.35** Which of these statements do not satisfy Euclid's axiom ?
 (1) Things which are equal to the same thing are equal to one another
 (2) If equals are added to equals, the wholes are equal.
 (3) If equals are subtracted from equals, the remainders are equal.
 (4) The whole is lesser than the part.

- Q.36** The line drawn from the centre of the circle to any point on its circumference is called :
 (1) Radius (2) Diameter
 (3) Sector (4) Arc
- Q.37** There are _____ number of Euclid's Postulates
 (1) Three (2) Four
 (3) Five (4) Six
- Q.38** If $AB \parallel CD$, $EF \perp CD$ and $\angle GED = 135^\circ$ as per the figure given below.
- 
- The value of $\angle AGE$ is:
 (1) 120° (2) 140°
 (3) 90° (4) 135°
- Q.39** If one of the angles of a triangle is 130° , then the angle between the bisectors of the other two angles can be
 (1) 50° (2) 65°
 (3) 145° (4) 155°
- Q.40** The angles of a triangle are in the ratio 5 : 3 : 7. The triangle is
 (1) a right triangle
 (2) an acute-angled triangle
 (3) an obtuse-angled triangle
 (4) an isosceles triangle

Space for rough work

MAT

Q.41 What comes in place of question mark(s) in the following letter series?

ATL, BUM, CVN, DWO, ?

- (1) EZP (2) EYQ (3) EFP (4) EXP

Q.42 Which sequence of letters when placed at the blanks one after the other will complete the given letter series ?

abc _ c _ c _ ba _ _ bca

- (1) abacb (2) babac
(3) baabc (4) bacba

Q.43 Lalit walks 8 km East, turns South-West and walks another 8 km. He again takes a turn towards North-West and walks another 8 km. In which direction from his starting point, is he standing now?

- (1) North-East (2) South-East
(3) West (4) East

Q.44 Mohit walks a distance of 5 km towards South, then turns to his right and walks 3 km. He again turns right and walks 5 km. He then turns to his left and walks 5 km. How far is he from the starting point and in what direction?

- (1) 5 km and West (2) 3 km and North
(3) 3 km and East (4) 8 km and West

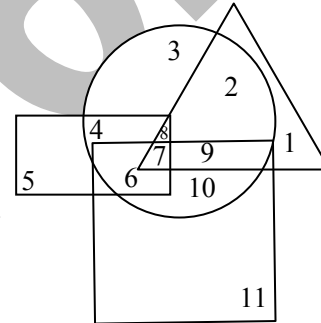
Q.45 Showing a lady in the park, Vikash said, 'She is the daughter of my grandfather'. How is Vikash related to that lady?

- (1) Father (2) Uncle
(3) Cousin (4) Nephew

Q.46 A man said to a lady, "Your mother's husband's sister is my aunt," How is the lady related to the man?

- (1) Granddaughter (2) Aunt
(3) Daughter (4) Sister

Direction (Q.47 & 48) : In the following figure, rectangle, square, circle and triangle represent the regions of wheat, gram, maize and rice cultivation respectively. On the basis of the figure, answer the following questions.



Q.47 Which of the area is cultivated for maize only ?
(1) 10 (2) 2 (3) 3 (4) 4

Q.48 Which of the area is cultivated for wheat and maize only?
(1) 8 (2) 6 (3) 5 (4) 4

Q.49 If, $4 \times 3 = 14$; $5 \times 4 = 18$
 $6 \times 5 = 22$; Then find the value of $7 \times 6 = ?$
(1) 42 (2) 26 (3) 20 (4) 30

Q.50 If P denotes 'multiplied' by', T denotes 'subtracted' from', M denotes 'add to' and B denotes 'divided by', then $28 B 7 P 8 T 6 M 4 = ?$
(1) 32 (2) 19 (3) 30 (4) 34

Space for rough work



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