

Discover the Star within you and Get Rewarded

Sample Paper

CAREER POINT STAR

Scholastic Test for Analysis and Reward

CLASS - 8th

(Class 8th 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** When a force is applied on an object, causing it to move in the direction of the force, what type of work is being done?
(1) Positive work (2) Negative work
(3) Zero work (4) No relation to work
- Q.2** A force of 50N is applied to an object of mass 10 kg. What is the acceleration of the object?
(1) 5 m/s² (2) 10 m/s²
(3) 15 m/s² (4) 20 m/s²
- Q.3** Which of the following factors does NOT affect pressure exerted by a liquid?
(1) Depth
(2) Density of liquid
(3) Acceleration due to gravity
(4) Surface area
- Q.4** A force of 500 N is applied to a piston with an area of 0.2 m². What is the pressure exerted?
(1) 100 Pa (2) 2500 Pa
(3) 500 Pa (4) 1000 Pa
- Q.5** Which of the following statements about friction is true?
(1) Friction always opposes motion.
(2) Friction is not dependent on the weight of the object.
(3) Friction is independent of the nature of the surfaces in contact.
(4) Friction is negligible on rough surfaces.
- Q.6** Rolling friction is smaller than?
(1) Sliding friction (2) Static friction
(3) Fluid friction (4) All of the above
- Q.7** Which one of these characteristics does a smooth surface has?
(1) Less frictional force
(2) More frictional force
(3) Sometimes less and sometimes more force
(4) All of above
- Q.8** Which type of friction occurs when an object moves through a fluid?
(1) Static friction. (2) Rolling friction.
(3) Sliding friction. (4) Fluid friction.
- Q.9** Which fraction of petroleum has the highest boiling point?
(1) Petrol (2) Diesel
(3) Kerosene (4) Lubricating oil
- Q.10** What is the main advantage of using compressed natural gas (CNG) as a fuel over traditional fossil fuels?
(1) Lower cost
(2) Higher energy content
(3) Lower pollution
(4) Greater availability
- Q.11** Which type of coal has the highest carbon content?
(1) Anthracite (2) Bituminous
(3) Lignite (4) Peat

Space for rough work

- Q.12** Coal is produced in industry to get?
(1) Coke (2) Coal tar
(3) Coal gas (4) All of these
- Q.13** Which of the following is NOT a requirement for combustion?
(1) Fuel (2) Heat
(3) Oxygen (4) Water
- Q.14** What is the correct chemical formula for methane, a common fuel used in combustion?
(1) CH_4 (2) CO_2
(3) C_2H_6 (4) H_2O
- Q.15** Which type of flame is produced when there is an adequate supply of oxygen?
(1) Luminous flame
(2) Non-luminous flame
(3) Smoky flame
(4) Sooty flame
- Q.16** What is the color of a luminous flame?
(1) Blue (2) Yellow
(3) Orange (4) White
- Q.17** Which of the following is NOT a step in crop production?
(1) Harvesting (2) Sowing
(3) Weeding (4) Fishing
- Q.18** Which nutrient is most important for the growth of plants?
(1) Nitrogen (2) Oxygen
(3) Carbon (4) Hydrogen
- Q.19** What is the process of removing unwanted plants from a cultivated area called?
(1) Fertilization (2) Ploughing
(3) Weeding (4) Irrigation
- Q.20** Which method involves growing two or more crops simultaneously in the same field without definite pattern?
(1) Crop rotation (2) Intercropping
(3) Mixed cropping (4) Monoculture
- Q.21** Which of the following is a beneficial role of microorganisms?
(1) Causing diseases in humans
(2) Spoiling food items
(3) Fixing nitrogen in the soil
(4) Not Decomposing sewage and other waste products
- Q.22** Which of the following diseases is NOT caused by a microorganism?
(1) Diabetes (2) Tuberculosis
(3) Malaria (4) Cholera
- Q.23** Which of the following microorganisms is used in the production of antibiotics?
(1) Streptococcus
(2) Escherichia coli
(3) Penicillium notatum
(4) Lactobacillus
- Q.24** Which of the following microorganisms is responsible for the production of vinegar?
(1) Saccharomyces (2) Lactobacillus
(3) Acetobacter (4) Aspergillus

Space for rough work

MATHEMATICS

- Q.25** An integer can be:
(1) Only Positive
(2) Only Negative
(3) Both positive and negative
(4) None of the above
- Q.26** The value of $(1/2) \div (3/5)$ is equal to:
(1) $3/10$ (2) $3/5$ (3) $6/5$ (4) $5/6$
- Q.27** Which of the following is not a linear equation in one variable?
(1) $33z + 5 = 0$ (2) $33(x + y) = 0$
(3) $33x + 5 = 0$ (4) $33y + 5 = 0$
- Q.28** The perimeter of the rectangle is 20cm. If the length of the rectangle is 6cm, then its breadth will be:
(1) 4 cm (2) 6 cm
(3) 10 cm (4) 14 cm
- Q.29** Which of the following option is incorrect?
(1) A Quadrilateral has two diagonals
(2) Each diagonals of a Quadrilateral divides it into triangle
(3) A Quadrilateral can have the utmost three angles
(4) Each side of a Quadrilateral is less than the sum of the remaining three sides
- Q.30** The diagonals of a rectangle are $2x + 1$ and $3x - 1$, respectively. Find the value of x.
(1) 1 (2) 2
(3) 3 (4) 4
- Q.31** Which of the following quadrilaterals has two pairs of adjacent sides equal and its diagonals intersect at 90 degrees?
(1) Square (2) Kite
(3) Rhombus (4) Rectangle
- Q.32** The difference between the upper-class limit and lower class limit of a class interval is called:
(1) Frequency (2) Width
(3) Grouped data (4) Ungrouped data
- Q.33** Check the given table, and give the correct answers to the following questions.
- | Range of Marks Obtained | Number of students |
|-------------------------|--------------------|
| 250-300 | 10 |
| 300-350 | 12 |
| 350-400 | 14 |
| 400-450 | 13 |
| 450-500 | 11 |
- What is the total number of student for all ranges?
(1) 12 (2) 14 (3) 50 (4) 60
- Q.34** In a box, there are 8 orange, 7 white, and 6 blue balls. If a ball is picked up randomly, what is the probability that it is neither orange nor blue?
(1) $1/3$ (2) $1/21$ (3) $2/21$ (4) $5/21$
- Q.35** Find the greatest four-digit number that is a perfect square.
(1) 9990 (2) 9801
(3) 9999 (4) None of these
- Q.36** What is the length of side of a square, if the area of square is 441 cm^2 ?
(1) 21 cm (2) 29 cm (3) 31 cm (4) 39 cm
- Q.37** If 5278 is squared, then what will be at unit place?
(1) 8 (2) 7 (3) 6 (4) 4
- Q.38** By what number should 81 be divided to get a perfect cube?
(1) 3 (2) 6 (3) 7 (4) 9

Space for rough work

Q.39 When the square of a number is subtracted from the cube of the same number, it becomes 100. Find the number.

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

Q.40 The cube of an odd natural number is

- (1) even
(2) odd
(3) may be even, may be odd
(4) prime number

MAT

Q.41 Select the letter-cluster that can replace the question mark (?) in the following series.
TOC, SLX, RIS, QFN, ?

- (1) PEI (2) PCJ (3) PCI (4) PDI

Q.42 Find the wrong term in the following series
MDH, NFE, OHC, PED, QBF

- (1) MDH (2) NFE (3) OHC (4) QBF

Q.43 Shweta starts walking from her office and walks 150 m towards the south, then she turns right and walks 80 m, and then she turns left and walks 60 m. She finally turns left and walks 280 m to reach a bank. What is the shortest distance between her office and the bank ?

- (1) 280 m (2) 290 m (3) 410 m (4) 370 m

Q.44 Vimal who is facing west takes a 120° turn in the anti-clockwise direction. Then he takes a clockwise turn of 90° and again takes a 135° turn in a clockwise. Which direction is he facing now ?

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

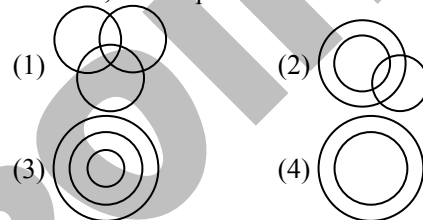
Q.45 H is the sister of I. B is the mother of H. J is the daughter of R. I is the sister of J. How is R related to H?

- (1) Maternal Uncle (2) Son in law
(3) Father (4) Paternal Grandfather

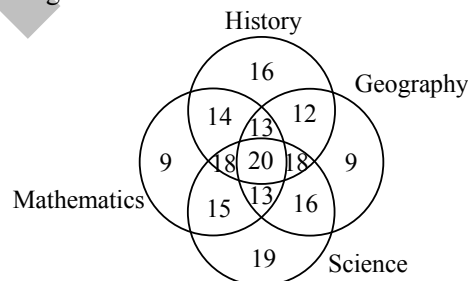
Q.46 Introducing a man, a woman said, 'He is the only son of my mother's mother'. How is the woman related to the man?

- (1) Niece (2) Mother
(3) Aunt (4) Sister

Q.47 Which of the following diagrams correctly represents the relationship among smokers, bidi smokers, cancer patients.



Q.48 Directions: Refer to the following Venn diagram:



The number of students who took any three of the above subjects was

- (1) 62 (2) 63 (3) 64 (4) 66

Q.49 Select the correct set of symbols which will fit in the blank spaces of $5 _ 0 _ 3 _ 5 = 20$.

- (1) $\times, \times, \times$ (2) $-, +, \times$
(3) $\times, +, \times$ (4) $+, -, \times$

Q.50 If '+' means ' $\times$ ', ' $\times$ ' means ' $-$ ', ' $\div$ ' means ' $+$ ' and ' $-$ ' means ' $\div$ ', then $175 - 25 \div 5 + 20 \times 3 + 10 = ?$

- (1) 160 (2) 77
(3) 2370 (4) 240

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