

Science

- Q.1 If a charged body is attracted by another positively charged body. What will be the charge of that body
 (a) positive
 (b) negative
 (c) no charge
 (d) can be positive or negative
- Q.2 Which of these is not a contact force?
 (a) Friction
 (b) Muscular force
 (c) Magnetic force
 (d) None of these
- Q.3 How does pressure vary as we come from mountain top to sea level?
 (a) Increases
 (b) Decreases
 (c) Remains same
 (d) Depends on weather
- Q.4 The substance that are used to test whether a substance is acidic or basic is called –
 (a) Acid
 (b) Base
 (c) Salt
 (d) Indicator.
- Q.5 For protecting iron pipes from corrosion they are coated with -
 (a) Zinc
 (b) Copper
 (c) Aluminum
 (d) Silver.
- Q.6 Which synthetic fibre is called Artificial silk?
 (a) Acrylic
 (b) Nylon
 (c) Polyester
 (d) Rayon.
- Q.7 The process of breakdown of food in the cell with the release of energy is called-
 (a) Respiration
 (b) Inhalation
 (c) Exhalation
 (d) Breathing
- Q.8 In Career Academy, a student is suffering from scurvy due to the deficiency of which vitamin

- (a) Vitamin A
 (b) Vitamin B
 (c) Vitamin C
 (d) Vitamin D.

- Q.9 Which of the following term is not a part of the nucleus?
 (a) Ribosomes
 (b) Nucleolus
 (c) Chromosomes
 (d) Gene
- Q.10 Which of the following is a kharif crop?
 (a) Wheat
 (b) Mustard
 (c) Groundnut
 (d) Gram

ANSWER KEY:-

- 1.(B) 2.(C) 3.(A) 4.(D) 5.(A) 6.(D)
 7.(A) 8.(C) 9.(A) 10.(C)**

SOCIAL SCIENCE

- Q.11 What are the sources of information of the periods?
 (a) Primary Source
 (b) Secondary sources
 (c) Both a and b
 (d) None of these
- Q.12 History is considered to be a study of
 (a) Comparisons
 (b) The present
 (c) The past
 (d) The future
- Q.13 Name the Sirajuddadh's commander who cheated him at the battle Plassey
 (a) Mir Qasim
 (b) Mir Jafar
 (c) Murshid Quli Khan
 (d) Alivardhi Khan
- Q.14 Name the Governor General under whom there was the maximum annexation.
 (a) Lord Dalhousie
 (b) Robert Clive
 (c) Warren Hastings
 (d) None of these
- Q.15 Constitution of a nation contains

- (a) Rules
(b) Laws
(c) Both a and b
(d) None of these
- Q.16 When did the king of Nepal finally take over as the head of government?
(a) February 2002
(b) February 2005
(c) February 2007
(d) April 2003
- Q.17 Which of the following is a fundamental right?
(a) Right to freedom of religion
(b) Right to property
(c) Right to work
(d) All of these
- Q.18 Which of these have some utility?
(a) Water
(b) Vegetables
(c) Electricity
(d) All of these
- Q.19 Which of the following is not a factor of soil formation?
(a) Time
(b) Soil texture
(c) Organic matter
(d) None of these
- Q.20 How much percent of earth's area is occupied by land?
(a) 45
(b) 30
(c) 66
(d) 70
- (c) (n-1) right angles
(d) (2n-4) right angles
- Q.22 The radii of two cylinders are in the ratio 3 : 5 and their heights are in the ratio of 2 : 3, the ratio of their curved surface areas:
(a) 4 : 3
(b) 5 : 3
(c) 2 : 5
(d) 3 : 5
- Q.23 $\left(\frac{a^{-1}b^{-1}}{a^{-1}+b^{-1}} - \frac{a^{-1}b^{-1}}{a^{-1}-b^{-1}}\right)$ equal to :
(a) $\frac{2b}{b^2-a^2}$
(b) $\frac{2b}{a^2-b^2}$
(c) $\frac{2a}{b^2-a^2}$
(d) $\frac{2a}{a^2-b^2}$
- Q.24 If $(4)^3 \times (6)^4 \times (10)^5 = 2^x \times 3^y \times 5^z$, then the value of $x + y + z$ is :
(a) 12
(b) 15
(c) 20
(d) 24
- Q.25 In Career Academy Sr. Sec. School. There are 88 students in class 7th of which
(i) 33 students gets above 90% marks,
(ii) 22 students gets (80-90)% marks,
(iii) 16 students gets (70-80)% marks &
(iv) remaining passed with above 60% marks.
Find the percentage of student who gets above 80% marks
(a) 37.5%
(b) 62.5%
(c) 19.31%
(d) None of these
- Q.26 If the diagonals of a rhombus are 8 cm and 6 cm respectively, then the perimeter of the rhombus is :
(a) 20 cm
(b) 16 cm
(c) 12 cm
(d) 28 cm
- Q.27 If $\sqrt{1.21} = 1.1$, then $\sqrt{0.000121}$ is equal to:
(a) 0.0011
(b) 0.011
(c) 0.11
(d) 11.0

ANSWER KEY:-

- 11.(A) 12.(C) 13.(B) 14.(A)**
15.(B) 16.(B) 17.(A) 18.(D)
19.(B) 20.(B)

Mathematics

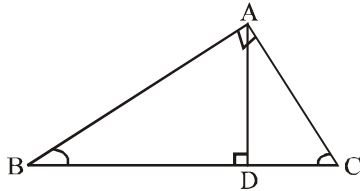
- Q.21 The sum of all interior angles of a convex polygon of n sides is :
(a) 4 right angles
(b) 4n right angles

Q.28 What least number should be added to 1330 to get a number exactly divisible by 43?

- (a) 46
- (b) 1
- (c) 3
- (d) 7

Q.29 In $\triangle ABC$, $\angle BAC = 90^\circ$ and $AD \perp BC$. If $\angle BAD = 40^\circ$, then $\angle ACD$ is :

- (a) 40°
- (b) 50°
- (c) 140°
- (d) 60°



Q.30 What is the difference in the biggest and the smallest fraction among $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}$ and $\frac{5}{6}$?

- (a) $\frac{1}{6}$
- (b) $\frac{1}{12}$
- (c) $\frac{1}{20}$
- (d) $\frac{1}{30}$

ANSWER KEY:-

- 21.(D) 22.(C) 23.(D) 24.(D) 25.(B)
26.(A) 27.(B) 28.(C) 29.(A) 30.(A)

Mental ability

Q.31 In a certain code, OVER is written as \$ # % * and VIST is written as # + x -, then how SORE will be written in that code?

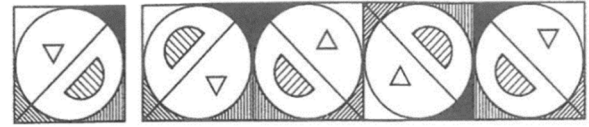
- (a) x \$ * %
- (b) % x \$ *
- (c) x * \$ %
- (d) None of these

Q.32 Shikha went 10 km South from CAREER ACADEMY NAHAN. She turned right and goes 5km, again turned right and cycled 10 km. Now, she turned left and cycled 10 km. What is the shortest distance of Shikha from CAREER ACADEMY NAHAN

- (a) 5 km
- (b) 15 km
- (c) 20 km
- (d) 25 km

Q.33 Choose the correct mirror image of the figure (X) from amongst the four

alternatives (a), (b), (c) and (d) given along with it



- (X) (a) (b) (c) (d)

Q.34 Find out the Wrong / incorrect term 8, 24, 72, 248, 648

- (a) 72
- (b) 248
- (c) 24
- (d) 648

Q.35 Complete the given series MHZ, NIW, OKT, PNO,

- (a) RRN
- (b) QRN
- (c) QRM
- (d) QQN

Q.36 Mita is taller than Rita but not as tall as Soni. Rita is taller than Sarita. Soni is not as tall as Rupa. Who among them is the tallest?

- (a) Mita
- (b) Rupa
- (c) Soni
- (d) Sarita.

Q.37 Choose the alternative which most closely resembles the mirror image of the given combination

CAREER ACADEMY

- (a) **CAREER ACADEMY**
- (b) **YMEDECA REEBEC**
- (c) **CAREER ACADEMY**
- (d) **AMEDCA REEBEC**

Q.38 How many triangles are there in the following figure?

- (a) 10
- (b) 14
- (c) 24
- (d) 20

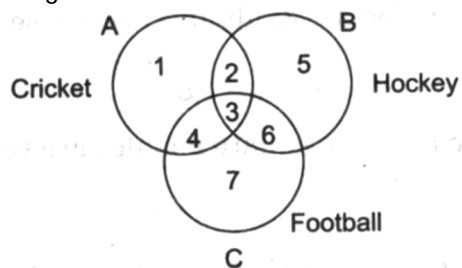


Q.39 How many days were there from January 2, 1995 to March 15, 1995?

(a) 73
(c) 71

(b) 74
(d) 35

Q.40 This question is based on the following diagram.



Which numeral represents the set of persons, who play all three games?

- (a) 3
(b) 4
(c) 6
(d) 7

ANSWER KEY:-

31.(A) 32.(B) 33.(D) 34.(B) 35.(B)
36.(B) 37.(B) 38.(C) 39.(A) 40.(A)