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CBSE : Class VI to X & XI-XII Science, English Medium

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CLASS – IX MAT ANSWER KEY

[Q..1] The age of Arvind's father is 4 times his age. If 5 years ago, father's age was 7 times Arvind's age, What is the age of Arvind's father at Present ?

- (a) 35 years (b) 40 years
(c) 70 years (d) 84 years

ANS - B

[Q..2] BG, GC, HN, N__ ?

- (a) D (b) J
(c) I (d) H

ANS - C

[Q..3] B,A,Z,D,C,Y,F,E, __ ?

- (a) W (b) X
(c) U (d) G

ANS - B

[Q..4] Complete the series :

2,6,12,20,30,42, ?

- (a) 56 (b) 52
(c) 48 (d) 60

ANS - A

[Q..5] If the following words are arranged in the alphabetical order, which word will appear at Second Position

- (a) Principal (b) Principle
(c) Principia (d) Principled

ANS – C

ENGLISH

[Q.1] There are.....types of noun in English language.

- (a) 4 (b) 5
(c) 6 (d) 7

ANS - A

[Q.2] What type of noun the word-Bread is?

- (a) Proper (b) Common
(c) Material (d) Abstract

ANS - D

[Q.3] It is a beautiful flower. In the above mentioned sentence word-beautiful is _____.

- (a) Noun (b) Verb
(c) Adjective (d) Adverb

ANS - C

[Q.4] How many parts are there in parts of speech in English grammar?

- (a) 8 (b) 6
(c) 7 (d) 5

ANS - A

[Q.5] Adjectives can be divided into _____ types?

- (a) 6 (b) 7
(c) 8 (d) 4

ANS – A

[Q.6] Sentences in English language can be divided into _____ types?

- (a) 2 (b) 3
(c) 4 (d) 5

ANS - C

[Q.7] Plural of the word sheep is .

- (a) Sheep (b) Sheeps
(c) Ship (d) Ewe

ANS - B

[Q.8] What is the opposite of “Ram”.

- (a) Sheep (b) Lamp
(c) Sheeps (d) Ewe

ANS - D

[Q.9] Tick the correct masculine form of Madam

- (a) Sir (b) Madame
(c) Gentleman (d) Monsieur

ANS - D

[Q.10] What is a male swan called?

- (a) Crane (b) Pan
(c) Cygnet (d) Cob

ANS - C

[Q.11] What is the young of a horse is called?

- (a) Stallion (b) Mare
(c) Foal (d) Cub

ANS - C

[Q.12] What is the young of a deer called?

- (a) Blue Bull (b) Buck
(c) Doe (d) Fawn

ANS - D

[Q.13] Which among the following is a definite article :

- (a) A (b) An
(c) The (d) None of the above

ANS - C

SCIENCE

[Q.1] The shape of nucleus in a plant cell is -

- (a) Elliptical (b) Rectangular
(c) Triangular (d) Round

ANS - D

[Q.2] Definite shape of cell is seen in case of -

- (a) Plant cells
(b) Animal cell
(c) Both animal and plant cells
(d) Neither animal nor plant cells

ANS - A

[Q.3] Cells are stained to

- (a) Highlight the cell organelles
(b) Nourish the cell
(c) Make the cell turgid
(d) Help in cell multiplication

ANS – A

[Q.4] The cellular component not seen under a compound microscope while observing onion peel

- (a) Chromosome (b) Cell wall
(c) Nucleus (d) Cytoplasm

ANS - A

[Q.5] Water stored in a dam possesses :

- (a) Potential energy (b) No energy
(c) Kinetic energy (d) electrical energy

ANS - A

[Q.6] When a body falls freely towards the earth then the total energy

- (a) remains constant
(b) increase
(c) decrease
(d) first increases and then decreases

ANS - A

[Q.7] Cathode rays have :

- (a) Charge only
- (b) Mass only
- (c) Charge as well as mass
- (d) Neither charge nor mass

ANS - A

[Q.8] Which of the following are isobars : ${}_{18}\text{Ar}^{40}$, ${}_{19}\text{K}^{39}$, ${}_{20}\text{Ca}^{40}$, ${}_{19}[\text{K}^+]^{39}$

- (a) ${}_{18}\text{Ar}^{40}$, ${}_{20}\text{Ca}^{40}$
- (b) ${}_{19}\text{Ar}^{39}$, ${}_{19}^+[\text{K}^+]^{39}$
- (c) ${}_{18}\text{Ar}^{40}$, ${}_{19}\text{K}^{39}$
- (d) ${}_{18}\text{Ar}^{40}$, ${}_{19}\text{K}^{39}$, ${}_{20}\text{Ca}^{40}$

ANS - A

[Q.9] If the distance between objects increases, then the gravitational force between the objects will:

- (a) decrease
- (b) none of these
- (c) remain same
- (d) increase

ANS - A

[Q.10] The relation between the weight of an object on the moon (W_M) and on the earth (W_E)

- (a) $W_M = 1/6 (W_E)$
- (b) $W_E = 1/6 W_M$
- (c) $W_M = W_E$
- (d) $W_M = 6 W_E$

ANS - A

MATHS

[Q.1] $0.\overline{235}$ can be expressed in the form $\frac{p}{q}$ where p

and q are integers and $q \neq 0$.

- (a) $\frac{235}{999}$ (b) $\frac{233}{990}$
(c) a and b both (d) None

ANS - B

[Q.2] Rationalise the denominator $\frac{1}{\sqrt{5} + \sqrt{2}}$

- (a) $\frac{\sqrt{5} - \sqrt{2}}{3}$ (b) $\frac{\sqrt{5} - \sqrt{2}}{7}$
(c) $\frac{\sqrt{5} + \sqrt{2}}{3}$ (d) $\frac{\sqrt{5} + \sqrt{2}}{7}$

ANS - A

[Q.3] The value of the polynomial $5x - 4x^2 + 3$ at $x = 2$

- (a) 19 (b) 13
(c) 3 (d) -3

ANS - D

[Q.4] Is there a temperature which is numerically the same both Fahrenheit and Celsius?

- (a) -20 (b) -30

- (c) -40 (d) None

ANS - C

[Q.5] A die is thrown once. Find the probability of getting a even prime no.

- (a) $\frac{1}{6}$ (b) $\frac{1}{3}$

- (c) $\frac{1}{2}$ (d) None

ANS - A

[Q.6] $1 \text{ m}^3 =$ _____.

- (a) 1000 litre (b) 100 litre
(c) 10 litre (d) 1 litre

ANS - A

[Q.7] Volume of cone is

- (a) $\angle BH$ (b) $\pi r^2 h$
(c) $side^3$ (d) $\frac{1}{3} \pi r^2 h$

ANS - D

[Q.8] On the same base and between same parallel area of Δ is _____ of the area of parallelogram.

- (a) Same (b) Twice
(c) Half (d) Can't say

ANS - C

[Q.9] Total surface area of hemisphere is

- (a) $4\pi r^2$ (b) $3\pi r^2$
(c) $2\pi r^2$ (d) πr^2

ANS - B

[Q.10] 1 hectare = _____.

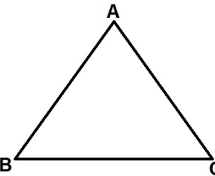
- (a) 100 m^2 (b) 1000 m^2
(c) 10000 m^2 (d) 100000 m^2

ANS - C

[Q.11] The following numbers of goals were scored by a team in a series of 10 matches 2, 3, 4, 5, 0, 1, 3, 3, 4, 3 its mean is _____.

- (a) 2.6 (b) 2.8
(c) 3.2 (d) 3.0

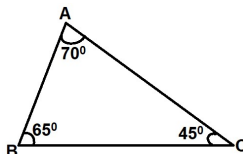
ANS - B



[Q.12] B C Which statement is correct?

- (a) $AB+BC>AC$ (b) $AB+BC=AC$
(c) $AB+BC<AC$ (d) Can't say

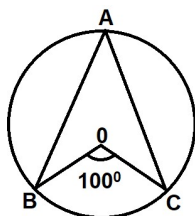
ANS - A



[Q.13] B C Which side is the smaller one?

- (a) AB (b) AC
(c) BC (d) Can't say

ANS - A



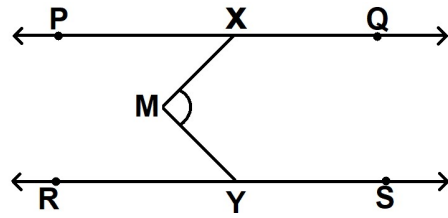
[Q.14] Find $\angle BAC$

- (a) 100° (b) 50°

(c) 200°

(d) Can't say

ANS - B



[Q.15] $PQ \parallel RS$

$$\angle M \times Q = 135^\circ$$

$$\angle MYR = 40^\circ$$

$$\angle XYR = ?$$

- (a) 100° (b) 50°
(c) 200° (d) Can't say

ANS - B