CLASS – X
ENGLISH ANSWER KEY

[Q.1] An adjective has got how many degrees of comparison.

(a) 2　　　　　　　　(b) 3

(c) 4　　　　　　　　(d) 1

ANS - B

[Q.2] An article in English language can be divided into how many types?

(a) 1　　　　　　　　(b) 2

(c) 3　　　　　　　　(d) 4

ANS - B

[Q.3] Adjectives can be divided into_____ types in English language

(a) 2　　　　　　　　(b) 6

(c) 8　　　　　　　　(d) 13

ANS - B

[Q.4] How many different types of basic adverbs are there in English language.

(a) 4　　　　　　　　(b) 5

(c) 6　　　　　　　　(d) 8

ANS - C

[Q.5] An expression whose meaning is different from the meaning of the individual word in it is called

(a) Idiom　　　　　　(b) Saying

(c) Proverb　　　　　(d) Phrasal verb

ANS - A

[Q.6]Tick the hythen mark.

(a) _　　　　　　　　(b) /

(c) \　　　　　　　　(d) ;

ANS - A

[Q.7] The punctuation mark { } is called.

(a) Bracket　　　　　(b) Braces

(c) Period　　　　　　(d) Ellipsis

ANS - B

[Q.8] "One , Two, Three, Four …" until ten got to ten. In above sentence three dots are called

(a) Braces　　　　　　(b) Dash

(c) Period　　　　　　(d) Ellipsis

ANS - D

[Q.9] "Don't go out side", She said the mark between n and t in don't is called

(a) Quotation mark   (b) Comma

(c) Apostrophe   (d) Colon

ANS - C

[Q.10] He is $\overset{an}{\wedge}$ MLA from Sikar. In the above sentence mark (^) is called

(a) Bracket   (b) Apostrophe

(c) Carat   (d) Tilde

ANS - C

MATHEMATICS

[Q.1] HCF of 4052 and 12576 is

(a) 4   (b) 6

(c) 8   (d) 12

ANS - A

[Q.2] sum of years of polymd mid $x^2 - 2x - 8$

(a) 2   (b) -2

(c) -8   (d) 8

ANS - A

[Q.3] $5x + 3y = 35$ & $2x + 4y = 28$ value of $x =$

(a) 3   (b) 4

(c) 5   (d) 2

ANS - B

[Q.4] $6x^2 - x - 2 = 0$ its one of root is

(a) $\dfrac{1}{3}$ (b) $\dfrac{2}{3}$

(c) $\dfrac{4}{3}$ (d) $\dfrac{-2}{3}$

ANS – B

[Q.5] sum of the first 1000 positive integers

(a) 100100   (b) 500500

(c) 50500   (d) 10100

ANS - B

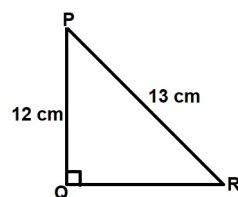[Q.6] All circles are

(a) congruent   (b) equal

(c) same   (d) similar

ANS - D

[Q.7] Distance between A(0,15) B(36,0) is

(a) 37   (b) 39
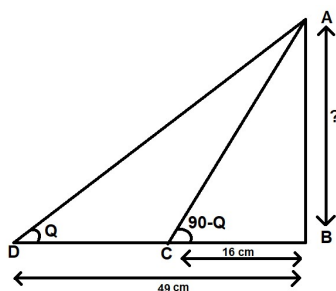
(c) 21   (d) -21

ANS - B

[Q.8]   find tamp – cot R

(a) $\dfrac{5}{12}$ (b) $\dfrac{5}{13}$

(c) $\dfrac{12}{13}$ (d) None

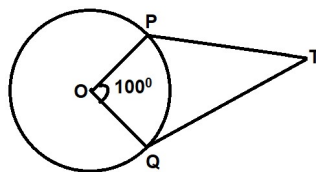ANS - D

[Q.9]   Value of AB =

(a) 4   (b) 7

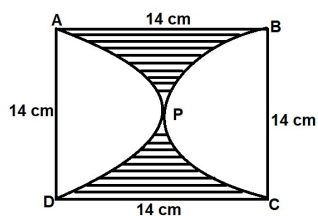(c) 11   (d) 28

ANS - D

[Q.10] $\angle PTQ = ?$

(a) 50   (b) 80

(c) 200^0 (d) None

ANS - B

[Q.11]   Area of shaded region is

(a) 196 cm^2 (b) 154 cm^2

(c) 350 cm^2 (d) 42 cm^2

ANS - D

[Q.12] A cone of height 24 cm and radius of base 6 cm is made up of modelling day. A child rahpes it in the form of a sphere. Find the radius of sphere.

(a) 3 cm   (b) 4.5 cm

(c) 6 cm   (d) 7.5 cm

ANS - C

[Q.13] The slant height of a frustum of a cone is 4 cm and the perimeters of its circular ends are 18 cm and 6 cm. Find the curved surface area of the frustum.

(a) 42 cm^2 (b) 48 cm^2

(c) 49 cm^2 (d) 56 cm^2

ANS - B

[Q.14] There is a empirical relationship between the there measures of central tendency which is correct. Measures of central tendency which is correct.

(a) mole + 2 mean = 3 median

(b) 2 mole + 1 mean = 3 median

(c) 2 mole + 2 mean = 3 median

(d) 1 mole + 1 mean = 2 median

ANS - A

[Q.15] Probability of not getting 52 Sundays in a year !

(a) $\dfrac{2}{7}$ (b) $\dfrac{1}{7}$

(c) $\dfrac{5}{7}$ (d) $\dfrac{6}{7}$

ANS – C

SCIENCE

[Q.1] 30 electrons are flowing through a electric wire in a time of 3 sec. Then the amount of current flowing through the wire is

(a) 1.6 x 10^{-18}A   (b) 9 x 10^{-18}A

(c) 4.8 x 10^{-19}A   (d) 9 x 10^{-19}A

ANS - A

[Q.2] A current of 0.5A is drawn by a filament of an electric bulb for 10 minutes. The amount of electric charge flowing through the bulb is

(a) 400C   (b) 300C

(c) 500C   (d) 600C

ANS - B

[Q.3] The focal length of a concave mirror is 10cm. The position of the object that is useful for getting an enlarged image which can be caught on a screen is

(a) Placed at a distance of 5 Cm. from the pole of the mirror

(b) Placed at a distance of 15 cm from the pole of the mirror

(c) Placed at a distance of 35 cm from the pole of the mirror

(d) Placed at a distance of 5 cm from the pole of the mirror

ANS - D

[Q.4] The power of a lens is -3.5D. The lens is

(a) Convex   (b) Plano-convex

(c) concave   (d) Plano-concave

ANS - C

[Q.5] Latent heat of vapourisation is used to :

(a) Overcome forces of attraction between the liquid particles at the boiling point

(b) Overcome forces of attraction between solid particles at the freezing point

(c) Increase the kinetic energy of particles in the liquid state

(d) Increase the kinetic energy of the particles in the vapour phase

ANS - A

[Q.6] Accumulation of non-biodegradable pesticides in different trophic levels is called

(a) Biological degradation

(b) Biological magnification

(c) Biological concentration

(d) Biological deposition

ANS - B

[Q.7] The UV radiation from the sun is likely to cause _____ in human

(a) Skin cancer   (b) Lung cancer

(c) Liver Cancer   (d) Brain Cancer

ANS - A

[Q.8] As solid melts to form liquid :

(a) Inter particle distance increases

(b) Inter molecular force of attraction decrease

(c) Compressibility increase

(d) All of the above

ANS – D

[Q.9] Which of the following is not characteristic of solid:

(a) High Rigidity   (b) Regular Shape

(c) High density   (d) High compressibility

ANS - D

[Q.10] An animal which can reproduce by budding is

(a) Bryophyllym   (b) Yeast

(c) Hydra   (d) All of the above

ANS – C

SST

[Q.1] Which of the following revolution is called the first expression of 'Nationalism'?

(a) French　　　　　　　(b) Russian

(c) Glorious　　　　　　(d) The Revolution of the liberals

ANS - A

[Q.2] Why was reading of Manuscript not easy in India?

(a) Manuscripts were highly cheap

(b) Manuscripts were rudely spread out

(c) Manuscripts were written in English and Hindi

(d) Manuscripts were fragile

ANS - D

[Q.3] Who among the following published 'Punjab Kesari'?

(a) Bal Gangadhar Tilak (b) Mahatma Gandhi

(c) Bhagat Singh　　　　(d) B.R. Ambedkar

ANS - A

[Q.4] In which of the following states Rawatbhata is situated

(a) Gujarat　　　　　　(b) Kerala

(c) Punjab　　　　　　(d) Rajasthan

ANS - D

[Q.5] Buddhist missionaries from China introduced hand-printing technology into____around A.D. 768-770

(a) Burma　　　　　　(b) Japan

(c) Nepal　　　　　　(d) Bhutan

ANS - B

[Q.6] By 1448, Gutenberg perfected the system of printing. The first book he printed was the?

(a) Gita　　　　　　(b) Bible

(c) Bible　　　　　　(d) Ramayana

ANS - C

[Q.7] Which is the oldest artificial sea port of India?

(a) Chennai　　　　　　(b) Vishakhapatnam

(c) Kolkata　　　　　　(d) Bombay

ANS - A

[Q.8] Which is the deepest, landlocked and well protected sea port of India?

(a) Chennai　　　　　　(b) Visakhapatnam

(c) Kolkata　　　　　　(d) Bombay

ANS - B

[Q.9] Which industry is used for manufacturing aircraft, utensils and lures.

(a) Aluminium　　　　　(b) Iron

(c) Steel　　　　　　(d) Copper

ANS – A

[Q.10] "Gulamgiri" book was written by Jyotibha Phule in ?

(a) 1860　　　　　　(b) 1873

(c) 1871　　　　　　(d) 1891

ANS - B