**Class - X P-SAT**

**Subject : English**

[:NQ]
[:Q.1] She ..... in Prince School since 2015.
[:A] teaches
[:B] is teaching
[:C] taught
[:D] has been teaching
[:ANS] [:D]

[:INFO] mp=1,mn=0,type=MCQ

[:NQ]
[:Q.2] I ..... bath when you knocked the door.
[:A] was taking
[:B] has taken
[:C] am taking
[:D] has been taking
[:ANS] [:A]

[:NQ]
[:Q.3] At this time tomorrow he ..... a song.
[:A] is singing
[:B] will be singing
[:C] will sing
[:D] have sung
[:ANS] [:B]

[:NQ]
[:Q.4] ..... you have a lot of money and prosperity!
[:A] Will
[:B] May
[:C] Would
[:D] Should
[:ANS] B

[:NQ]
[:Q.5] Choose the correct passive voice- 'Hitesh does not sing a song'.
[:A] A song will not be sung
[:B] A song is not sung by Hitesh
[:C] A song has not been sung by Hitesh
[:D] A song was not sung by Hitesh
[:ANS] B

[:NQ]
[:Q.6] They drew a circle.
[:A] A circle was being drawn by them.
[:B] A circle was drawn by them.
[:C] A circle have been drawn by them.
[:D] A circle has been drawing since morning.
[:ANS] B

[:NQ]
[:Q.7] How old was Evelyn when she went to Royal Music academy?
[:A] 17 years old

[:B] 18 years old
[:C] 19 years old
[:D] Below 17
[:ANS] A

[:NQ]
[:Q.8] Who helped Evelyn to continue with her music?
[:A] Her mother
[:B] teacher
[:C] Father
[:D] Ron Forbes
[:ANS] D

[:NQ]
[:Q.9] Who thought of improving the sound of the Pungi?
[:A] A musician
[:B] A singer
[:C] A barber
[:D] None
[:ANS] C

[:Q.10] The linking word 'meanwhile' means the same as .....
[:A] however
[:B] although
[:C] at the same time
[:D] never
[:ANS] C

[:NQ]
[:Q.11] Change the voice
The king gave him a reward.
[:A] A reward was given by him to the king.
[:B] He was given a reward by a king.
[:C] He was given the reward by a king.
[:D] He was given by the king a reward.
[:ANS] B

[:NQ]
[:Q.12] Whom does he look for?
[:A] He is looked after for whom?
[:B] Who is looked after for him?
[:C] Who is looked for by him?
[:D] He is looked after by whom?
[:ANS] C

[:NQ]
[:Q.13] Change the speech
He said to him, 'Thank you for your kind help.'
[:A] He told him for his kind help.
[:B] He requested him for his kind help.
[:C] He asked for him his kind help.
[:D] He thanked him for his kind help.
[:ANS] D

[:NQ]
[:Q.14] He said, 'I am leaving for Delhi.'
[:A] He said that he has been leaving for Delhi.

[:B] He said that he is leaving for Delhi.
[:C] He said that I was leaving for Delhi.
[:D] He said that he was leaving for Delhi.
[:ANS] D

[:NQ]
[:Q.15] Choose correct preposition.
The local team scored three goals _____ the first half of the match.
[:A] at
[:B] for
[:C] in
[:D] on
[:ANS] C

[:NQ]
[:Q.16] Many species of insects were wiped _____ when the jungle was cleared.
[:A] of
[:B] away
[:C] off
[:D] out
[:ANS] D

[:NQ]
[:Q.17] Choose correct articles
They usually spend their holidays in _____ mountains.
[:A] the
[:B] no article
[:C] a
[:D] none of these
[:ANS] A

[:NQ]
[:Q.18] Los Angles has _____ ideal climate.
[:A] no article
[:B] an
[:C] the
[:D] none of these
[:ANS] B

[:NQ]
[:Q.19] Rohan _____ the movie before he road the review.
[:A] watches
[:B] have watched
[:C] had watched
[:D] was watching
[:ANS] C

[:NQ]
[:Q.20] He _____ in the States but he still does not have a command over the English language.
[:A] have been living
[:B] has been living
[:C] have lived
[:D] living
[:ANS] B

[:END]

Class : 10th

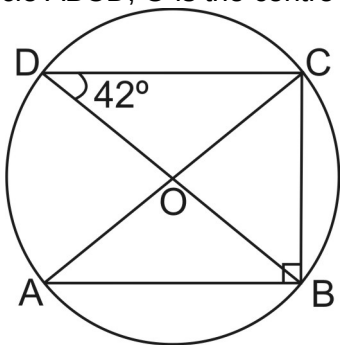
Subject : Mathematics

Class - X
Subject - Maths

[:NQ]
[:Q.1] In a circle of radius 10cm, the length of chord whose distance is 6 cm from the centre is
[:A] 4 cm
[:B] 5 cm
[:C] 8 cm
[:D] 16 cm
[:ANS] D

[:INFO] mp=1,mn=0,type=MCQ

[:NQ]
[:Q.2] In the given circle ABCD, O is the centre and $\angle$BDC = 42º. The $\angle$ACB is equal to




[:A] 48º
[:B] 45º
[:C] 42º
[:D] 60º
[:ANS] A

[:NQ]
[:Q.3] If the supplement of an angle is three times its complement, then angle is:
[:A] 40º
[:B] 35º
[:C] 50º
[:D] 45º
[:ANS] D

[:NQ]
[:Q.4] Two angles forms a linear pair whose measures are a & b are such that 2a – 3b = 60º then $\frac{4a}{5b}$ = ?
[:A] 0
[:B] $\frac{8}{5}$
[:C] $\frac{1}{2}$

[:D] $\frac{2}{3}$
[:ANS] B

[:NQ]
[:Q.5] In $\Delta$PQR, side QR = 10 cm and height PM = 4.4 cm. If PR = 11 cm, then altitude QN equals :
[:A] 4 cm
[:B] 5 cm
[:C] 5.5 cm
[:D] 5.6 cm
[:ANS] A

[:NQ]
[:Q.6] The ratio of the area of square of side a and equilateral triangle of side a is :
[:A] 2 : 1
[:B] 2 : $\sqrt{3}$
[:C] 4 : 3
[:D] 4 : $\sqrt{3}$
[:ANS] D

[:NQ]
[:Q.7] When the diagonals of a parallelogram are perpendicular to each other then it is called :
[:A] square
[:B] rectangle
[:C] rhombus
[:D] parallelogram
[:ANS] C

[:NQ]
[:Q.8] ABCD is a rhombus with $\angle$ABC = 56º, then the $\angle$ACD will be :
[:A] 56º
[:B] 62º
[:C] 124º
[:D] 34º
[:ANS] B

[:NQ]
[:Q.9] the exponential form of $\sqrt{\sqrt{2\sqrt{3}}}$ is :
[:A] $6^{1/2}$
[:B] $6^{1/3}$
[:C] $6^{1/4}$
[:D] 6
[:ANS] C

[:NQ]
[:Q.10] The rational form of $2.74\overline{35}$ is :
[:A] $\frac{27161}{9999}$
[:B] $\frac{27}{99}$

[:C] $\frac{27161}{9900}$
[:D] $\frac{27161}{9000}$
[:ANS] C

[:NQ]
[:Q.11] The percentage increase in the surface area of a cube, when each side is increased to $\frac{3}{2}$ times the original length is :
[:A] 225
[:B] 200
[:C] 175
[:D] 125
[:ANS] D

[:NQ]
[:Q.12] A cord in the form a square encloses area 'S' $cm^2$. If the same cord is bent into the form of a circle then the area of the circle is :
[:A] $\frac{\pi S^2}{4}$
[:B] $4\pi S^2$
[:C] $\frac{S}{4\pi}$
[:D] $\frac{4S}{\pi}$
[:ANS] D

[:NQ]
[:Q.13] If 'l', 'b' and 'h' of cuboid are increased, decreased and increased by 1%, 3% and 2% respectively, then the volume of the cubiod
[:A] Increases
[:B] Decreases
[:C] Increases or decreases depending on original dimensions
[:D] can't be calculated with given data
[:ANS] B

[:NQ]
[:Q.14] One of the factors of the expression $(2a + 5b)^3 + (2a – 5b)^3$ would be
[:A] 4a
[:B] 10b
[:C] 2a + 5b
[:D] 2a – 5b
[:ANS] A

[:NQ]

[:Q.15] If $p(x) = 2 + \frac{x}{2} + x^2 – \frac{x^3}{3}$ then p(–1) is :
[:A] $\frac{15}{6}$
[:B] $\frac{17}{6}$

[:C] $\frac{1}{6}$
[:D] $\frac{13}{6}$
[:ANS] B

[:NQ]
[:Q.16] A linear equation in two variables has maximum :
[:A] Only one solution
[:B] Two solution
[:C] Infinite solution
[:D] None of these
[:ANS] C

[:NQ]
[:Q.17] Solution of the equation x – 2y = 2 is/are :
[:A] x = 4, y = 1
[:B] x = 2, y = 0
[:C] x = 6, y = 2
[:D] All of these
[:ANS] D

[:NQ]
[:Q.18] If the three altitudes of a $\Delta$ are equal then triangle is :
[:A] Isosceles
[:B] Equilateral
[:C] Right angled
[:D] None
[:ANS] B

[:NQ]
[:Q.19] ABCD is a square and P, Q, R are points on AB, BC and CD respectively such that AP = BQ = CR and PQR = 90º, then $\angle$QPR
[:A] 45º
[:B] 50º
[:C] 60º
[:D] 70º
[:ANS] A

[:NQ]
[:Q.20] The distance of the point (3, 5) from X-axis is :
[:A] $\sqrt{34}$
[:B] 3
[:C] 5
[:D] None of these
[:ANS] C

[:END]

Class : 10th

Subject : Science

Class - X
Science

[:NQ]
[:Q.1] The energy possessed by an oscillating pendulum of a clock is
[:A] kinetic energy
[:B] potential energy
[:C] restoring energy.
[:D] mechanical energy.
[:ANS] D

[:INFO] mp=1,mn=0,type=MCQ

[:NQ]
[:Q.2] How much time will be required to perform 520 J of work at the rate of 20 W?
[:A] 24s
[:B] 16s
[:C] 20 s
[:D] 26s
[:ANS] D

[:NQ]
[:Q.3] A students caries a bag weighing 5 kg from the ground floor to his class on the first floor that is 2 m high. The work done by the boy is
[:A] 1 J
[:B] 10 J
[:C] 100 J
[:D] 1000 J
[:ANS] C

[:NQ]
[:Q.4] The S.I. unit of force is
[:A] Kgm/s
[:B] Kgm/s2
[:C] Newton
[:D] Newton-meter
[:ANS] C

[:NQ]
[:Q.5] A fielder giving a swing while catching a ball is an example of
[:A] Inertia
[:B] Momentum
[:C] Newton’s II law of motion
[:D] Newton’s I law of motion
[:ANS] C

[:NQ]
[:Q.6] The rate of change of momentum of an object is proportional to
[:A] Mass of the body
[:B] Velocity of the body
[:C] Net force applied on the body
[:D] None of these
[:ANS] C

[:NQ]
[:Q.7] Which of the following can sometimes be ‘zero’ for a moving body?
i. Average velocity
ii. Distance travelled
iii. Average speed
iv. Displacement

[:A] Only (i)
[:B] (i) and (ii)
[:C] (i) and (iv)
[:D] Only (iv)
[:ANS] C

[:NQ]
[:Q.8] If the displacement of an object is proportional to square of time, then the object moves with:
[:A] Uniform velocity
[:B] Uniform acceleration
[:C] Increasing acceleration
[:D] Decreasing acceleration
[:ANS] B

[:NQ]
[:Q.9] Tincture of iodine has antiseptic properties. This solution is made by dissolving-
[:A] iodine in potassium iodide
[:B] iodine is vaseline
[:C] iodine is water
[:D] iodine is alcohol
[:ANS] D

[:NQ]
[:Q.10] Which of the following methods would you use to separate cream from milk
[:A] Fractional distillation
[:B] Distillation
[:C] Centrifugation
[:D] Filtration
[:ANS] C

[:NQ]
[:Q.11] Mercury and bromine are both-
[:A] Liquid at room temperature
[:B] Solid at room temperature
[:C] Gases at room temperature
[:D] Both (A) and (B)
[:ANS] A

[:NQ]
[:Q.12] Which of the following has maximum number of atoms?
[:A] 18 g of $H_2O$
[:B] 18 g of $O_2$
[:C] 18 g of $CO_2$
[:D] 18 g of $CO_4$
[:ANS] D

[:NQ]
[:Q.13] _____ is called the energy currency of the cell
[:A] Endoplasmic reticulum

[:B] Oxygen
[:C] ATP
[:D] Mitochondria
[:ANS] C

[:NQ]
[:Q.14] Which plastids are colourless?
[:A] Chromoplasts
[:B] Chloroplast
[:C] Leucoplasts
[:D] All of the above
[:ANS] C

[:NQ]
[:Q.15] Which of the following statements is incorrect?
[:A] Cytoplasm is also known as protoplasm
[:B] Lysosomes are known as the suicide bags of the cell
[:C] Mitochondria has its own DNA
[:D] All of the above are incorrect
[:ANS] A

[:NQ]
[:Q.16] The Nodes of Ranvier are found in:
[:A] Nerve cells
[:B] Heart cells
[:C] Liver cells
[:D] All of the above
[:ANS] A

[:NQ]
[:Q.17] Which of the following is connective tissue?
[:A] Ligament
[:B] Tendon
[:C] Blood
[:D] All of the above
[:ANS] D

[:NQ]
[:Q.18] _____ is not found in xylem tissues.
[:A] Sieve tubes
[:B] Xylem parenchyma
[:C] Tracheids
[:D] Vessels
[:ANS] A

[:NQ]
[:Q.19] _____ have cell walls made of chitin
[:A] Fungi
[:B] Green plants
[:C] Human foetus
[:D] All of the above

[:ANS] A

[:NQ]
[:Q.20] _____ is an example of an ovoviviparous animal.
[:A] Viper
[:B] Crow
[:C] Seagull
[:D] Hawk
[:ANS] A

[:END]