Class - 10
Subject - Maths

[:Q.01] P is point on side BC of $\triangle$ ABC such that AP bisects $\angle$ BAC. Then:
[:A] BP=CP
[:B] BA=BP
[:C] BP>BA
[:D] CP<CA
[:ANS] D

[:NQ]
[:Q.02] Two parallel lines have:
[:A] a common point
[:B] two common point
[:C] no common point
[:D] infinite common points
[:ANS] C

[:NQ]
[:Q.03] An angles is 14° more than its complementary angle then angle is:
[:A] 38°
[:B] 52°
[:C] 50°
[:D] None of these
[:ANS] B

[:NQ]
[:Q.04] If P (E) = 0.05, then P (not E) =
[:A] –0.05
[:B] 0.5
[:C] 0.9
[:D] 0.95
[:ANS] D

[:NQ]
[:Q.05] A bulb is taken out at random from a box of 600 electric bulbs that contains 12 defective bulbs. Then the probability of a non-defective bulb is:
[:A] 0.02
[:B] 0.98
[:C] 0.5
[:D] None
[:ANS] B

[:NQ]
[:Q.06] If every side of a triangle is doubled, then increase in the area of the triangle is:
[:A] $(\sqrt{2}\,x100)\%$
[:B] 200%
[:C] 300%
[:D] 400%
[:ANS] C

[:NQ]
[:Q.07] The average of 15 numbers is 18. The average of first 8 is 19 and that last 8 is 17, then the 8th number is:
[:A] 15
[:B] 16
[:C] 18

[:D] 20
[:ANS] C

[:NQ]
[:Q.08] Point (0, 4) lies:
[:A] In I quadrant
[:B] On X-axis
[:C] On Y-axis
[:D] In IV quadrant
[:ANS] C

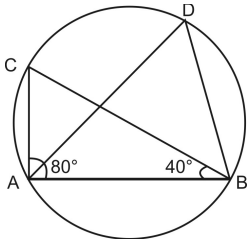
[:NQ]
[:Q.09] The total surface area of a cone whose radius $\frac{r}{2}$ and slant height 2 l is:
[:A] $2\pi r(\ell + \mathrm{r})$
[:B] $\pi r\left(\ell + \frac{r}{4}\right)$
[:C] $\pi r(\ell + \mathrm{r})$
[:D] $2\pi r\ell$
[:ANS] B

[:NQ]
[:Q.10] 27 metal balls each of radius are melted together to form one big sphere of radius R. Then the ratio of surface area of the big sphere to that of a ball is:
[:A] $\sqrt{27}:1$
[:B] $\sqrt{3}:1$
[:C] 3:1
[:D] 9:1
[:ANS] D

[:NQ]
[:Q.11] $2.2\overline{34}$ is:
[:A] Non-terminating only
[:B] Non-repeating only
[:C] Non-terminating and repeating
[:D] non-terminating and non-repeating
[:ANS] C

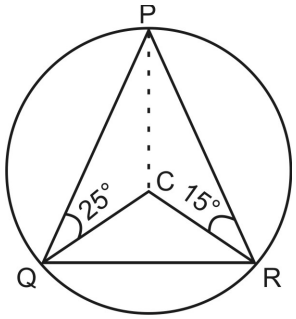
[:NQ]
[:Q.12] How many rational numbers exist between any two distinct rational numbers?
[:A] 2
[:B] 3
[:C] 11
[:D] Infinite
[:ANS] D

[:NQ]
[:Q.13] In the given figure, $\angle$ CAB=80°, $\angle$ ABC=40°, The sum of $\angle$ DAB+$\angle$ ABD is equal to:



[:A] 80°
[:B] 100°
[:C] 120°
[:D] 140°
[:ANS] C

[:NQ]
[:Q.14] In the given figure, if C is the centre of the circle and $\angle$ PQC=25° and $\angle$ PRC=15°, then $\angle$ QCR is equal to:



[:A] 40°
[:B] 60°
[:C] 80°
[:D] 120°
[:ANS] C

[:NQ]
[:Q.15] 3.42 g of sucrose are dissolved in 18 g of water in a beaker. The number of oxygen atoms in the solution are-
[:A] $6.68x10^{23}$
[:B] $6.09x10^{22}$
[:C] $6.022x10^{23}$
[:D] $6.022x10^{21}$
[:ANS] A

[:NQ]
[:Q.16] The relative molecular mass of $Na_2S_2O_3$. SH_2O
[:A] 250 amu
[:B] 250 g
[:C] 248 amu
[:D] 248 g
[:ANS] C

[:NQ]
[:Q.17] Which of the following has maximum number of atoms?
[:A] 18g H_2O
[:B] 18 g of O_2
[:C] 18g of CO_2
[:D] 18 g of CH_4
[:ANS] D

[:NQ]
[:Q.18] Percentage of calcium in calcium carbonate is:-
[:A] 40
[:B] 30
[:C] 48
[:D] 36
[:ANS] A

[:NQ]
[:Q.19] The number of oxygen atoms in 4.4g of CO_2 is approx:-
[:A] $6x10^{22}$
[:B] 6
[:C] $12x10^{23}$
[:D] $1.2x10^{23}$
[:ANS] D

[:NQ]
[:Q.20] Which of the following represents 12.4?
[:A] Mass of 1 hydrogen atom
[:B] Mass of C-12 atom
[:C] Mass of 0-16 atom
[:D] 1/12th Mass of C-12 atom
[:ANS] D

[:END]

Class - 10
Subject - English

[:NQ]
[:Q.01] He..... Write to me once a week but he doesn't write any more.
[:A] used to
[:B] uses to
[:C] use to
[:D] using to
[:ANS] A

[:NQ]
[:Q.02] What were you doing when the mailman to your house?
[:A] Came
[:B] Come
[:C] Comes
[:D] Coming
[:ANS] A

[:NQ]
[:Q.03] He_____ be late for class but he often comes late nowadays
[:A] didn't used to
[:B] doesn't use to
[:C] doesn't used to
[:D] didn't use to
[:ANS] D

[:NQ]
[:Q.04] My mother _____ beautiful and young forever.
[:A] wishes she could be
[:B] wishes she can
[:C] wishes she could
[:D] wishes she can be
[:ANS] A

[:NQ]
[:Q.05] My friends asked me ..... keep in touch on leaving.
[:A] to promise to
[:B] promised to
[:C] promising to
[:D] promise to
[:ANS] A

[:NQ]
[:Q.06] My sister never cleans the floor. I wish she _____ it every day.
[:A] Had done
[:B] Will do
[:C] Would do
[:D] Does
[:ANS] C

[:NQ]
[:Q.07] I come from Vietnam So I am not _____ on the left.
[:A] Used to be drive
[:B] Used to be driving
[:C] Used to drive
[:D] Used to Driving
[:ANS] D

[:NQ]
[:Q.08] Can you tell me how many chapters this book consists.....?
[:A] With
[:B] In
[:C] Of
[:D] About
[:ANS] C

[:NQ]
[:Q.09] I wish my best friend _____ never leave me alone like this.
[:A] Would
[:B] Will
[:C] Can
[:D] Could
[:ANS] A

[:NQ]
[:Q.10] When you _____ in Hanoi, you should visit uncle Ho's Mausoleum?
[:A] Will be
[:B] Be
[:C] Are
[:D] Were
[:ANS] C

[:NQ]
[:Q.11] The mother divided the cake into four equal pieces. The children were_____ the equal division.
[:A] Pleased with
[:B] Happy on
[:C] Pleased about
[:D] Happy at
[:ANS] A

[:NQ]
[:Q.12] What are you _____ doing when you have free time?
[:A] Interesting on
[:B] Interesting in
[:C] Keen on
[:D] Keen in
[:ANS] C

[:NQ]
[:Q.13] Although we are far away from each other we still.....
[:A] Say hello
[:B] Greet each other
[:C] Keep in touch
[:D] Keep together
[:ANS] C

[:NQ]
[:Q.14] They got divorced and decided to separate the little daughter from the son. This Separation made the children.....
[:A] depress
[:B] depressed
[:C] depressing
[:D] depression
[:ANS] B

[:NQ]
[:Q.15] Musical and painting are _____ subjects this semester.
[:A] Option
[:B] Optional
[:C] Optionally
[:D] Optioning
[:ANS] B

[:NQ]
[:Q.16] What ..... you to design that beautiful and unique pattern?
[:A] Inspiring
[:B] has inspired
[:C] is inspired
[:D] be inspired
[:ANS] B

[:NQ]
[:Q.17] She has her meals _____ by one of her friendly neighbours.
[:A] Preparing
[:B] Prepared
[:C] To prepare
[:D] Prepare
[:ANS] B

[:NQ]
[:Q.18] These clothes need ---------- immediately otherwise they will smell.
[:A] Washing
[:B] Be washed
[:C] Washed
[:D] to wash
[:ANS] A

[:NQ]
[:Q.19] The poor man ..... like a slave and finally died of a serious disease.
[:A] Was treated
[:B] Treats
[:C] Treated
[:D] Is treated
[:ANS] A

[:NQ]
[:Q.20] I wish my children _____ me and would never leave me alone.
[:A] Love
[:B] Did loved
[:C] Loved
[:D] Do love
[:ANS] C

[:END]

Class - 10
Subject - Science

[:NQ]
[:Q.1] A car of mass 1000 kg is moving with a velocity of 10 m/s. If the velocity-time graph for this car is a horizontal line parallel to the time axis, then the velocity of the car at the end of 25 s will be:
[:A] 40 m/s
[:B] 25 m/s
[:C] 10 m/s
[:D] 250 m/s
[:ANS] C

[:NQ]
[:Q.2] A car is travelling at a speed of 90 km/h. Brakes are applied so as to produce a uniform acceleration of – 0.5 m/s2. Find how far the car will go before it is brought to rest?
[:A] 8100 m
[:B] 900 m
[:C] 625 m
[:D] 620 m
[:ANS] C

[:NQ]
[:Q.3] The numerical ratio of displacement to distance for a moving object is:
[:A] Always less than 1
[:B] Equal to 1 or less than 1
[:C] Always more than 1
[:D] Equal to 1 or more than one
[:ANS] B

[:NQ]
[:Q.4] What do we get by the product of mass and velocity?
[:A] Force
[:B] Inertia
[:C] Momentum
[:D] Newton
[:ANS] C

[:NQ]
[:Q.5] A force of 50N moves a body,
[:A] Friction force exerted on the body is less than 50N
[:B] Friction force exerted on the body is more than 50N
[:C] None of these
[:D] Both of I and II
[:ANS] A

[:NQ]
[:Q.6] Action and reaction forces
[:A] Act on the same body
[:B] Act on different bodies
[:C] Act in same direction
[:D] Both I and III
[:ANS] B

[:NQ]
[:Q.7] A football and a stone has same mass
[:A] Both have same inertia
[:B] Both have same momentum

[:C] Both have different inertia
[:D] Both have different momentum
[:ANS] C

[:NQ]
[:Q.8] If the velocity of a body is doubled its kinetic energy
[:A] gets doubled
[:B] becomes half
[:C] does not change
[:D] becomes 4 times
[:ANS] D

[:NQ]
[:Q.9] What is protoplasm :
[:A] Nucleoplasm-cytoplasm
[:B] Cytosol only
[:C] Nucleoplasm+cytoplasm
[:D] Trophoplasm of cell
[:ANS] C

[:NQ]
[:Q.10] Which organelle plays a Crucial role in detoxification of drug and Poisonous substances -
[:A] SER
[:B] RER
[:C] Golgi body
[:D] None
[:ANS] A

[:NQ]
[:Q.11] Name the cells which have discoidal shape
[:A] Skin cells
[:B] Intestine cells
[:C] Egg cell
[:D] RBC
[:ANS] D

[:NQ]
[:Q.12] The wall of cork cells are thickened by the deposition of –
[:A] cutin
[:B] suberin
[:C] lignin
[:D] pectin
[:ANS] B

[:NQ]
[:Q.13] The outer wall of epidermis in stems and leaves has a waxy covering made up of –
[:A] lignin
[:B] suberin
[:C] pectin
[:D] cutin
[:ANS] D

[:NQ]
[:Q.14] Blood platelets are also called as
[:A] leucocytes
[:B] erythrocytes

[:C] thrombocytes
[:D] None of these
[:ANS] C

[:NQ]
[:Q.15] One of the factors of $(x-1)-(x^2-1)$ is:
[:A] $x^2 - 1$
[:B] $x + 1$
[:C] $x - 1$
[:D] $x + 4$
[:ANS] C

[:NQ]
[:Q.16] If $x^{51} + 51$ is divided by $(x+1)$ the remainder is:
[:A] 0
[:B] 1
[:C] 49
[:D] 50
[:ANS] D

[:NQ]
[:Q.17] Two opposite angles of a parallelogram are $(3x-2)°$ and $(50-x)°$ then the value of x will be:-
[:A] 17°
[:B] 16°
[:C] 15°
[:D] 13°
[:ANS] D

[:NQ]
[:Q.18] Which of the following properties are not TRUE for parallelogram?
[:A] Its diagonals are perpendicular to each other
[:B] The diagonals divide the figure into four congruent triangles
[:C] Its diagonals ae equal
[:D] All of the above
[:ANS] D

[:NQ]
[:Q.19] Which of the following equations is not linear equation:
[:A] $2x+3=7x-2$
[:B] $\frac{2}{3}x+5=3x-4$
[:C] $x^2+3=5x-3$
[:D] $(x-2)^2=x^2+8$
[:ANS] C

[:NQ]
[:Q.20] It is not possible to construct a triangle when its sides are:
[:A] 8.3 cm, 3.4 cm, 6.1 cm
[:B] 5.4cm, 2.3 cm, 3.1 cm
[:C] 6cm, 7cm, 10cm
[:D] 3cm, 5cm, 5cm
[:ANS] B

[:END]