Class - X
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] He .... daily for a year now.
[:A]   exercise
[:B]   was exercising
[:C]   has been exercising
[:D]   have been exercising
[:ANS] C

[:NQ]
[:Q.7] I .... this book since morning.
[:A]   had been reading
[:B]   has been reading
[:C]   have had read

[:D]   shall be reading
[:ANS] A

[:NQ]
[:Q.8]   Which tense is used to express general truth and facts?
[:A]   Present continuous tense
[:B]   Present perfect tense
[:C]   Past perfect tense
[:D]   Present indifinite tense
[:ANS] D

[:NQ]
[:Q.9]   According to the prevailing rate, two dozen .... rupees are hundred.
[:A]   costs
[:B]   cost
[:C]   costing
[:D]   costed
[:ANS] B

[:NQ]
[:Q.10] The council .... made its decision.
[:A]   have
[:B]   have had
[:C]   has
[:D]   having
[:ANS] C

[:NQ]
[:Q.11] I shall complete this task .... night.
[:A]   in
[:B]   at
[:C]   before
[:D]   on
[:ANS] C

[:NQ]
[:Q.12] I jumped .... the lake to save the little boy.
[:A]   into
[:B]   under
[:C]   in
[:D]   within
[:ANS] A

[:NQ]
[:Q.13] He went to temple .... me.
[:A]   with
[:B]   to
[:C]   by
[:D]   on
[:ANS] A

[:NQ]
[:Q.14] We were sitting .... the wall.
[:A]   at
[:B]   beside
[:C]   before
[:D]   after

[:ANS] B

[:NQ]
[:Q.15] I agree .... you.
[:A]   of
[:B]   to
[:C]   with
[:D]   for
[:ANS] C

[:NQ]
[:Q.16] Let it remain .... both of us.
[:A]   between
[:B]   within
[:C]   in
[:D]   besides
[:ANS] A

[:NQ]
[:Q.17] We went to the picnic .... train.
[:A]   with
[:B]   in
[:C]   by
[:D]   to
[:ANS] C

[:NQ]
[:Q.18] The quality of products .... over time.
[:A]   are degrading
[:B]   have been degrading
[:C]   have degrading
[:D]   were degraded
[:ANS] B

[:NQ]
[:Q.19] The news .... not updated timely.
[:A]   were
[:B]   have
[:C]   is
[:D]   are
[:ANS] C

[:NQ]
[:Q.20] Day .... into their cars and drove away.
[:A]   has got
[:B]   have got
[:C]   gets
[:D]   got
[:ANS] D

[:END]

[:NQ]
[:Q.1] The sum of $0.\overline{3}$ and $0.\overline{2}$ is
[:A]   5/99
[:B]   5/9
[:C]   5/10
[:D]   5/100
[:ANS] B

[:INFO] mp=4,mn=1,type=MCQ

[:NQ]
[:Q.2] If $8^x = 64/2^x$ then find the value of x.
[:A]   4
[:B]   2
[:C]   ½
[:D]   3/2
[:ANS] D

[:NQ]
[:Q.3] If x + 1/x = 4, then the value of $x^2 + 1/x^2$
[:A]   8
[:B]   14
[:C]   16
[:D]   20
[:ANS] B

[:NQ]
[:Q.4] For what value of b, is the polynomial $x^3 - 3x^2 + bx - 6$ divisible by x – 3?
[:A]   1
[:B]   2
[:C]   3
[:D]   –3
[:ANS] B

[:NQ]
[:Q.5] Any point of the form (a, – a) always lie on the graph of the equation
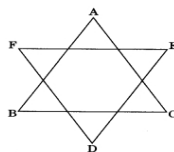[:A]   x = –a
[:B]   y = a
[:C]   y = x
[:D]   x + y = 0
[:ANS] D

[:NQ]
[:Q.6] In figure if ∠A + ∠B + ∠C + ∠D + ∠E + ∠F = k(Right angle), then find value of k.

[:A]   2
[:B]   3
[:C]   4

[:D]   5
[:ANS] C

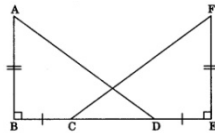[:NQ]
[:Q.7] In ΔABC, ∠C = ∠A and BC = 4 cm and AC = 5 cm, then find length of AB.
[:A]   5 cm
[:B]   3 cm
[:C]   4 cm
[:D]   2.5 cm
[:ANS] C

[:NQ]
[:Q.8] In figure AB ⊥ BE and EF ⊥ BE. If BC = DE and AB = EF, then ΔABD is
        congruent to

[:A]   ΔEFC
[:B]   ΔECF
[:C]   ΔDEF
[:D]   ΔFEC
[:ANS] D

[:NQ]
[:Q.9] If angles A, B, C and D of a quadrilateral ABCD, taken in order, are in the ratio
        3 : 7 : 6 : 4, then ABCD is a
[:A]   Rhombus
[:B]   Parallelogram
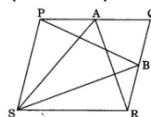[:C]   Trapezium
[:D]   Kite.
[:ANS] C

[:NQ]
[:Q.10] If a triangle and a parallelogram are on the same base and between same
        parallels, then the ratio of the area of the triangle to the area of parallelogram
        is
[:A]   1 : 3
[:B]   1 : 2
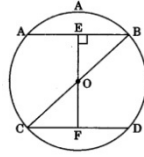[:C]   3 : 1
[:D]   1 : 4
[:ANS] B

[:NQ]
[:Q.11] PQRS is a parallelogram and A and B are any points on PQ and QR. If
        ar(PQRS) = 48 cm², then ar(ΔPBS) + ar(ΔASR) is equal to

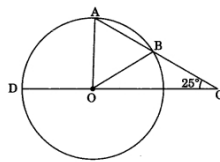[:A]   96 cm²
[:B]   36 cm²
[:C]   48 cm²
[:D]   24 cm²
[:ANS] C

[:Q.12] In the given figure, BOC is a diameter of a circle with centre O. If AB and CD are two chords such that AB || CD and AB = 10 cm, then CD =

[:A]   5 cm
[:B]   12.5 cm
[:C]   15 cm
[:D]   10 cm
[:ANS] D

[:Q.13] In the given figure, AB is a chord of a circle with centre O and AB is produced to C such that BC = OB. Also, CO is joined and produced to meet the circle in D. If ∠ACD = 25°, then ∠AOD =

[:A]   50º
[:B]   75º
[:C]   90º
[:D]   100º
[:ANS] B

[:Q.14] If a, b and c are the lengths of the three sides of a triangle, then which of the following is true?
[:A]   a + b < c
[:B]   a − b < c
[:C]   a + b = c
[:D]   None of these
[:ANS] B

[:Q.15] The sides of a triangle are 35 cm, 54 cm and 61 cm. The length of its longest altitude is
[:A] $16\sqrt{5}$ cm
[:B] $10\sqrt{5}$ cm
[:C] $24\sqrt{5}$ cm
[:D]   28 cm
[:ANS] C

[:Q.16] The radius of a cylinder is doubled and the height remains the same. The ratio between the volumes of the new cylinder and the original cylinder is
[:A]   1 : 2
[:B]   3 : 1
[:C]   4 : 1
[:D]   1 : 8

[:ANS] C

[:NQ]
[:Q.17] The radius of a hemispherical balloon increases from 6 cm to 12 cm as air is being pumped into it. The ratios of the surface areas of the balloon in the two cases is
[:A]   1 : 4
[:B]   1 : 3
[:C]   2 : 3
[:D]   2 : 1
[:ANS] A

[:NQ]
[:Q.18] The mean of five numbers is 30. If one number is excluded, their mean becomes 28. The excluded number is:
[:A]   28
[:B]   30
[:C]   35
[:D]   38
[:ANS] D

[:NQ]
[:Q.19] Let $\bar{x}$ be the mean of x_1, x_2, …, x_n and y the mean of y_1, y_2, …, y_n. If z is the mean of x_1, x_2, …. x_n, y_1, y_2, …, y_n, then z is equal to
[:A] $\bar{x} + \bar{y}$
[:B] $(\bar{x} + \bar{y})/2$
[:C] $(\bar{x} + \bar{y})/n$
[:D] $(\bar{x} + \bar{y})/2n$
[:ANS] B

[:NQ]
[:Q.20] A die is thrown 300 times and odd numbers are obtained 153 times. Then the probability of getting an even number is
[:A]   153/300
[:B]   147/300
[:C]   174/300
[:D]   147/153
[:ANS] B

[:END]

Class - X
Subject - Science

[:NQ]
[:Q.1] The property of flow is unique to fluids. Which one of the following statements is correct?
[:A] Only gases behave like fluids
[:B] Gases and solids behave like fluids
[:C] Gases and liquids behave like fluids
[:D] Only liquids are fluids
[:ANS] C

[:INFO] mp=4,mn=1,type=MCQ

[:NQ]
[:Q.2] During summer, water kept in an earthen pot becomes cool because of the phenomenon of
[:A] Diffusion
[:B] Transpiration
[:C] Osmosis
[:D] Evaporation
[:ANS] D

[:NQ]
[:Q.3] Which of the following has the strongest interparticle forces at room temperature?
[:A] Oxygen
[:B] Water
[:C] Bromine
[:D] Iron
[:ANS] D

[:NQ]
[:Q.4] According to the third law of motion, action and reaction
[:A] Always act on the same body
[:B] Always act on different bodies in opposite directions
[:C] Have same magnitude and directions
[:D] Act on either body at normal to each other
[:ANS] B

[:NQ]
[:Q.5] Rocket works on the principle of conservation of
[:A] Mass
[:B] Energy
[:C] Momentum
[:D] Velocity
[:ANS] C

[:NQ]
[:Q.6] The masses of two bodies are in ratio 5 : 6 and their velocities are in ratio 1 : 2. Then their linear momentum will be in the ratio
[:A] 5 : 6
[:B] 1 : 2
[:C] 12 : 5
[:D] 5 : 12
[:ANS] D

[:NQ]
[:Q.7] Which among the following produce seeds?

[:A]   Thallophyta
[:B]   Bryophyta
[:C]   Pteridophyta
[:D]   Gymnosperms
[:ANS] D

[:NQ]
[:Q.8]   Which among the following have scales?
(i)   Amphibians
(ii)   Pisces
(iii)   Reptiles
(iv)   Mammals
[:A]   (i) and (iii)
[:B]   (iii) and (iv)
[:C]   (ii) and (iii)
[:D]   (i) and (ii)
[:ANS] A

[:NQ]
[:Q.9]   Two particles are placed at some distance. If the mass of each of the two particles is doubled, keeping the distance between them unchanged, the value of gravitational force between them will be
[:A]   14 times
[:B]   4 times
[:C]   12 times
[:D]   Unchanged
[:ANS] B

[:NQ]
[:Q.10] The weight of an object at the centre of the Earth of radius R is
[:A]   Zero
[:B]   Infinite
[:C]   R times the weight at the surface of the Earth
[:D] $1/R^2$ times the weight at surface of the Earth
[:ANS] A

[:NQ]
[:Q.11] The acceleration due to gravity on the Earth depends upon the
[:A]   Mass of the body
[:B]   Mass of the Earth
[:C]   Shape and size of the body
[:D]   Volume of the body
[:ANS] B

[:NQ]
[:Q.12] The SI unit of pressure is
[:A] Nm^2
[:B]   N/m
[:C] N/m^2
[:D] N^2/m^2
[:ANS] C

[:NQ]
[:Q.13] On increasing the temperature, the speed of sound in air:
[:A]   Increases
[:B]   Decreases
[:C]   Does not change

[:D]   First increases then becomes constant
[:ANS] A

[:NQ]
[:Q.14] Which of the following can produce longitudinal as well as transverse waves under different conditions?
[:A]   Bats
[:B]   Slinky
[:C]   Tuning fork
[:D]   None of these
[:ANS] B

[:NQ]
[:Q.15] If the speed of a wave is 380 m/s and its frequency is 1900 Hz, then the wavelength of the wave will be:
[:A]   20 m
[:B]   0.2 m
[:C]   200 m
[:D]   2 m
[:ANS] B

[:NQ]
[:Q.16] You must have seen the doctor checking the sounds produced in the chest or heartbeat of a patient using a medical instrument called Stethoscope. On what principle does this Stethoscope work?
[:A]   Multiple refractions
[:B]   Multiple reflections
[:C]   Wave motion
[:D]   None of these
[:ANS] B

[:NQ]
[:Q.17] Growing different crops in the same field in a pre-planned succession, to improve the quality and quantity of the crop yield and maintain the fertility of soil is known as:
[:A]   Crop rotation
[:B]   Plant breeding
[:C]   Intercropping
[:D]   Crop management
[:ANS] B

[:NQ]
[:Q.18] You are aware of Polio Eradication Programme in your city. Children are vaccinated because
[:A]   Vaccination kills the polio causing microorganisms
[:B]   Prevents the entry of polio causing organisms in the body
[:C]   It creates immunity in the body
[:D]   All of above
[:ANS] C

[:NQ]
[:Q.19] Many of the people suffer from the problem of acnes and feel annoyed of the ugly skin texture caused due to the acne spots. Can you guess the microorganism causing these acne?
[:A]   H1N1 virus
[:B]   Trypanosoma
[:C]   Leishmania
[:D]   Staphylococcus

[:ANS] D

[:NQ]
[:Q.20] If you live in an overcrowded and poorly ventilated house, then you may suffer from which of the following diseases?
(i)   Cholera
(ii)   AIDS
(iii)   Air borne disease
(iv)   Cancer
         Choose the correct option among the following:
[:A]   (i) and (iii)
[:B]   (ii) and (iii)
[:C]   Only(iii)
[:D]   Only (iv).
[:ANS] C

[:END]