Class - X CBSE
Subject - English

[:NQ]
[:Q.1] The policeman ..... the thief red handed.
[:A] catch
[:B] caught
[:C] is caught
[:D] catching
[:ANS] B

[:INFO] mp=4,mn=0,type=MCQ

[:NQ]
[:Q.2] The whole day yesterday the boys ..... to the cricket commentary.
[:A] listen
[:B] will listen
[:C] has listened
[:D] listened
[:ANS] D

[:NQ]
[:Q.3] A bomb scare ..... a delay in the flight.
[:A] caused
[:B] cause
[:C] was caused
[:D] had caused
[:ANS] A

[:NQ]
[:Q.4] Jim Corbett ..... animals, but he ..... several man-eaters.
[:A] loved, would kill
[:B] loved, killed
[:C] loved, is killed
[:D] love, kill
[:ANS] B

[:NQ]
[:Q.5] Last year they ..... a high wall around the house.
[:A] build
[:B] built
[:C] was building
[:D] had build
[:ANS] B

[:NQ]
[:Q.6] I ..... a number of detective novels when I was a child.
[:A] read
[:B] was read
[:C] had read
[:D] have read
[:ANS] A

[:NQ]
[:Q.7] Last week some wicked people ..... brown Sugar into the town but they were arrested.
[:A] smuggle
[:B] smuggled

[:C] have smuggled
[:D] are smuggled
[:ANS] B

[:NQ]
[:Q.8] After ..... into the bus we discovered that we ..... the wrong one
[:A] getting, had boarded
[:B] got, boarded
[:C] get, boarded
[:D] getting, board
[:ANS] A

[:NQ]
[:Q.9] You ..... not wait any longer.
[:A] can
[:B] could
[:C] need
[:D] ought to
[:ANS] C

[:NQ]
[:Q.10] I ..... solve those problems.
[:A] can
[:B] could
[:C] shall
[:D] should
[:ANS] A

[:NQ]
[:Q.11] I ..... rather stay at home than go to the club.
[:A] would
[:B] could
[:C] dare
[:D] might
[:ANS] A

[:NQ]
[:Q.12] I am little suspicious ..... her true intensions.
[:A] of
[:B] to
[:C] in
[:D] under
[:ANS] A

[:NQ]
[:Q.13] She seems to be blind ..... her friend's mistake.
[:A] on
[:B] to
[:C] above
[:D] over
[:ANS] B

[:NQ]
[:Q.14] Gold is ..... precious metal.
[:A] a
[:B] an
[:C] the

[:D] none of these
[:ANS] A

[:NQ]
[:Q.15] Banaras is ..... holy city of the Hindus.
[:A] an
[:B] a
[:C] the
[:D] none of these
[:ANS] B

[:NQ]
[:Q.16] Honest men always speak ..... truth.
[:A] a
[:B] an
[:C] the
[:D] none of these
[:ANS] C

[:NQ]
[:Q.17] I did not go to the show ..... I had already seen it.
[:A] until
[:B] because
[:C] so
[:D] but
[:ANS] B

[:NQ]
[:Q.18] Maya is a member of the Debating Club ..... the literary society.
[:A] as
[:B] or
[:C] and
[:D] but
[:ANS] C

[:NQ]
[:Q.19] Read over your answers ..... correct all mistakes before you. Pass them up.
[:A] or
[:B] and
[:C] because
[:D] while
[:ANS] B

[:NQ]
[:Q.20] Keep the food covered ..... the flies will contaminate it.
[:A] or
[:B] and
[:C] until
[:D] though
[:ANS] A

[:END]

Class - X CBSE
Subject - Maths

[:NQ]

[:Q.1] Simplify : $\sqrt[5]{\sqrt[4]{(2^4)^3}} - 5\sqrt[5]{8} + 2\sqrt[5]{\sqrt[4]{(2^3)^4}}$.

[:A] $-2\sqrt[5]{(2)^3}$

[:B] $\sqrt[5]{(2)^3}$

[:C] $2\sqrt[5]{(2)^3}$

[:D] $-\sqrt[5]{(2)^3}$

[:ANS] A

[:INFO] mp=4,mn=0,type=MCQ

[:NQ]

[:Q.2] Probability of an event can be

[:A] –0.7

[:B] $\frac{11}{9}$

[:C] 1.001

[:D] 0.6

[:ANS] D

[:NQ]

[:Q.3] If the perpendicular distance of a point P from x-axis is 5 units, then the point P has

[:A] x-coordinate = –5 or 5

[:B] y-coordinate = 5

[:C] y-coordinate = –5

[:D] y-coordinate = 5 or –5

[:ANS] D

[:NQ]

[:Q.4] A cube of side 6 cm is painted on all its 6 faces with red colour. It is then broken up into 216 smaller identical cubes. What is the ratio of $N_0 : N_1 : N_2$.
Where, $N_0 \rightarrow$ number of smaller cubes with no coloured surface.
$N_1 \rightarrow$ number of smaller cubes with 1 red face.
$N_2 \rightarrow$ number of smaller cubes with 2 red face.

[:A] 3 : 4 : 6

[:B] 3 : 4 : 5

[:C] 4 : 6 : 3

[:D] 6 : 4 : 3

[:ANS] C

[:NQ]

[:Q.5] If a + b + c = 0, then $x^{a^2b^{-1}c^{-1}} \; x^{a^{-1}b^2c^{-1}} \; x^{a^{-1}b^{-1}c^2}$ = _____

[:A] $x^{a^2b^2c^2}$

[:B] $x^{1/a^2b^2c^2}$

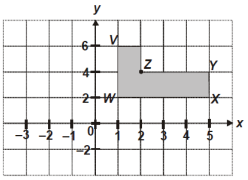
[:C] $x^{1/2}$

[:D] x^3

[:ANS] D

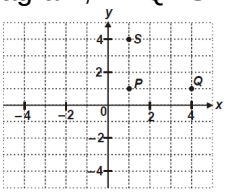
[:NQ]

[:Q.6] In the adjoining diagram, the area of the shaded figure is _____.



[:A] 20 cm^2
[:B] 10 cm^2
[:C] 18 cm^2
[:D] 24 cm^2
[:ANS] B

[:NQ]
[:Q.7] Based on the diagram, If PQRS forms a rectangle, find the co-ordinates of R.



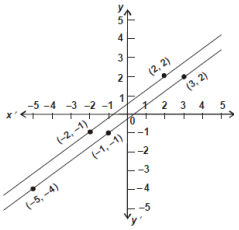
[:A] (4, 4)
[:B] (4, 5)
[:C] (6, 4)
[:D] (6, 2)
[:ANS] A

[:NQ]
[:Q.8] A person's present age is two-fifth of the age of his mother. After 8 years, he will be half of the age of his mother. How old is the mother at present?
[:A] 32 years
[:B] 36 years
[:C] 40 years
[:D] 48 years
[:ANS] C

[:NQ]
[:Q.9] Set of values of x, if $\sqrt{(x+8)} + \sqrt{(2x+2)} = 1$, is _____.
[:A] {1}
[:B] {1, 17}
[:C] {17}
[:D] ϕ
[:ANS] D

[:NQ]
[:Q.10] The perimeter of a circle is equal to the perimeter of a square. Then, the ratio of their areas respectively, is _____.
[:A] 4 : 1
[:B] 11 : 7
[:C] 14 : 11
[:D] 22 : 7
[:ANS] C

[:NQ]
[:Q.11] The equation representing the given graph is



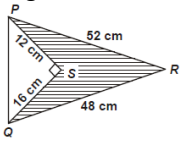
[:A] 7x + 2y = 11; y – 2x = 3
[:B] 2x + 7y = 11; 4x + (35y/2) = 25
[:C] 3x – 7y = 10; 8y – 6x = 4
[:D] 3x – 4y = 1; 8y – 6x = 4
[:ANS] D

[:NQ]

[:Q.12] If x = $\frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$ and y = $\frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$, then find the value of $x^2 + y^2$.

[:A] 32
[:B] 98
[:C] 40
[:D] 0
[:ANS] B

[:NQ]
[:Q.13] In the adjoining figure, the area of shaded portion is _____.



[:A] 98 cm^2
[:B] 480 cm^2
[:C] 384 cm^2
[:D] 380 cm^2
[:ANS] C

[:NQ]
[:Q.14] The given below question is followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.
What is the capacity of the cylindrical tank?
I. The area of the base is 61,600 sq. cm.
II. The height of the tank is 1.5 times the radius.
III. The circumference of base is 880 cm.
[:A] I and II
[:B] II and III
[:C] Any two of the three
[:D] II and either I or III
[:ANS] D

[:NQ]

[:Q.15] The probability of guessing the correct answer to a certain test question is $\frac{x}{2}$. If the probability of not guessing the correct answer to this question is $\frac{2}{3}$, then x =

[:A] 2
[:B] 3

[:C] $\frac{2}{3}$

[:D] $\frac{1}{3}$

[:ANS] C

[:NQ]

[:Q.16] The mean of 40 items is 35 and if each item is multiplied by 'a' then the new mean will be

[:A] 35 a

[:B] 35 + a

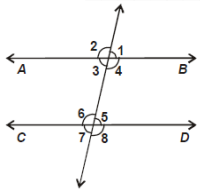
[:C] 40

[:D] 40 + a

[:ANS] A

[:NQ]

[:Q.17] In the given figure, AB || CD. If $\angle 1 = (2x + y)^o$ and $\angle 6 = (3x – y)^o$, then the measure of $\angle 2$ in terms of y is _____.



[:A] $(108 – y)^o$

[:B] $(2 – y)^o$

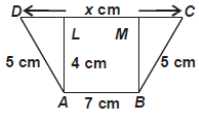
[:C] $(1 – y)^o$

[:D] $(100 + y)^o$

[:ANS] A

[:NQ]

[:Q.18] In the given figure (not drawn to scale), ABCD is a trapezium in which AB = 7 cm, AD = BC = 5 cm, DC = x cm and the distance between AB and DC is 4 cm. Then the value of x is _____.



[:A] 13 cm

[:B] 16 cm

[:C] 19 cm

[:D] 15 cm

[:ANS] A

[:NQ]

[:Q.19] Find the remainder when $9x^3 – 3x^2 + x – 5$ is divided by $x – \frac{2}{3}$.

[:A] 3

[:B] –3

[:C] 2

[:D] –2

[:ANS] B

[:NQ]

[:Q.20] If $4^{44} + 4^{44} + 4^{44} + 4^{44} = 4^x$, then x is _____.

[:A] 45

[:B] 44
[:C] 176
[:D] 11
[:ANS] A

[:END]

Class - X CBSE
Subject - Science

[:NQ]
[:Q.1] Which of the following are called nucleon?
[:A] Protons
[:B] Neutrons
[:C] Electrons
[:D] Both, Protons and Neutrons
[:ANS] D

[:INFO] mp=4,mn=0,type=MCQ

[:NQ]
[:Q.2] Which one of the following is a correct electronic configuration of sodium?
[:A] 2, 8
[:B] 8, 2, 1
[:C] 2, 1, 8
[:D] 2, 8, 1
[:ANS] D

[:NQ]
[:Q.3] Who discovered the nucleus of an atom?
[:A] J.J. Thomson
[:B] Neils Bohr
[:C] Rutherford
[:D] J. Chadwick
[:ANS] C

[:NQ]
[:Q.4] The name of bacterial disease is
[:A] Ringworm
[:B] Measles
[:C] Typhoid
[:D] Malaria
[:ANS] C

[:NQ]
[:Q.5] Viruses, which causes hepatitis are transmitted through:
[:A] air
[:B] water
[:C] food
[:D] personal contact
[:ANS] B

[:NQ]
[:Q.6] Which muscles act involuntarily?
(i) Striated muscles
(ii) Smooth muscles
(iii) Cardiac muscles
(iv) Skeletal muscles
[:A] (i) and (ii)
[:B] (ii) and (iii)
[:C] (iii) and (iv)
[:D] (i) and (iv)
[:ANS] B

[:NQ]

[:Q.7] Which is not a function of epidermis?
[:A] Protection from adverse condition
[:B] Gaseous exchange
[:C] Conduction of water
[:D] Transpiration
[:ANS] C

[:NQ]
[:Q.8] Cartilage is not found in :
[:A] nose
[:B] ear
[:C] kidney
[:D] larynx
[:ANS] C

[:NQ]
[:Q.9] Chromosomes are made up of :
[:A] DNA
[:B] Protein
[:C] DNA and protein
[:D] RNA
[:ANS] C

[:NQ]
[:Q.10] Which of the following are formed in bone marrow?
[:A] RBC
[:B] Cartilage cell
[:C] Blood platelets
[:D] Fibres
[:ANS] A

[:NQ]
[:Q.11] The mass per unit volume of a substance is :
[:A] acceleration
[:B] density
[:C] velocity
[:D] weight
[:ANS] B

[:NQ]
[:Q.12] The melting point of ice is:
[:A] 273.16 K
[:B] 723.16 K
[:C] 263.16 K
[:D] 373 K
[:ANS] A

[:NQ]
[:Q.13] What is dry ice?
[:A] Solid carbon dioxide
[:B] Nitrogen oxide
[:C] Carbone mono oxide
[:D] None of them
[:ANS] A

[:NQ]
[:Q.14] 1 u or 1 amu means

[:A] 1/12th mass of C-12 atoms
[:B] Mass of C-12 atom
[:C] Mass of O-16 atom
[:D] Mass of Hydrogen molecule
[:ANS] A

[:NQ]
[:Q.15] The molecular formula of potassium nitrate is _____.
[:A] KNO_3
[:B] KNO
[:C] KNO_2
[:D] KON
[:ANS] A

[:NQ]
[:Q.16] The atomic mass of sodium is 23. The number of moles in 46g of sodium is _____.
[:A] 4
[:B] 2
[:C] 0
[:D] ½
[:ANS] B

[:NQ]
[:Q.17] Which of the following statement is correct regarding velocity and speed of a moving body?
[:A] Velocity of a moving body is always higher than its speed
[:B] Speed of a moving body is always higher than its velocity
[:C] Speed of a moving body is its velocity in a given direction
[:D] Velocity of a moving body is its speed in a given direction
[:ANS] D

[:NQ]
[:Q.18] 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.19] 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.20] 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

[:END]