1 **Which of the following is NOT the length of a median in triangle ABC with vertices A(–1,3), B(1,1) and C(5,1)?**

(A) $2\sqrt{6}$ (B) $\sqrt{26}$ (C) $2\sqrt{5}$ (D) $\sqrt{2}$

2 **Which of the following rational numbers have a terminating decimal expansion?**

(A) $\frac{231}{2^2 \times 5^2 \times 7}$ (B) $\frac{51}{99}$ (C) $\frac{5}{37}$ (D) $\frac{50}{130}$

3 **If 6 years hence a man's age will be 3 times the age of his son and three years ago he was 9 times as old as his son, then what is the present age of the man?**

(A) 25 years (B) 35 years
(C) 15 years (D) 30 years

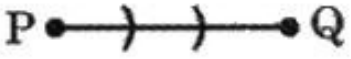
4 **Find the value of the given expression.**

$3(\sin x - \cos x)^4 + 6(\sin x + \cos x)^2 + 4(\sin^6 x + \cos^6 x)$

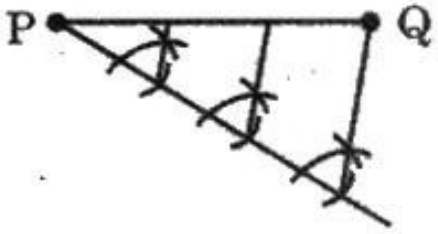
(A) $1 - 3\sin^2 x \cos^2 x$ (B) 11
(C) 13 (D) $2\cos x \sin x - 1$

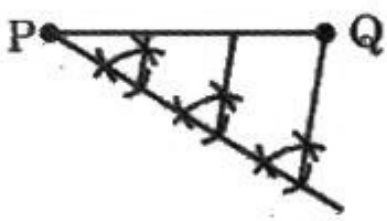
5 **Identify the correct construction of the division of $\overline{PQ}$ into three parts.**

P ● ——— ● Q

(A) 

(B) 

(C) 

(D) 

6 **The altitude of a right triangle is 7 cm less than its base x and its hypotenuse is 13 cm. Identify the quadratic representation of the given statement.**

(A) $x(x-7)=13$ (B) $x^2+(x-7)^2=13^2$

(C) $x^2+(x+7)^2=13$ (D) $x^2+(x+7)^2=13^2$

7 **A marble of radius 15 cm correctly fits under a cone. The slant height of the cone is equal to the diameter of its base. What is the height (in cm) of the cone?**

(A) $25\sqrt{3}$ (B) 45 (C) $30\sqrt{2}$ (D) $60\left(\sqrt{3}-1\right)$

8 **The interior angles of a convex polygon are in Arithmetic Progression. The smallest angle is 120° and the common difference is 5°. What is the number of sides of the polygon?**

(A) 7 (B) 15 (C) 17 (D) 9

9 **Find the value of the trigonometric expression**

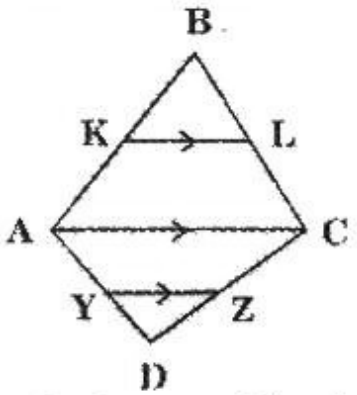
$$\cot\left(\frac{\pi}{20}\right)\cot\left(\frac{3\pi}{20}\right)\cot\left(\frac{5\pi}{20}\right)\cot\left(\frac{7\pi}{20}\right)\cot\left(\frac{9\pi}{20}\right).$$

(A) 0 (B) $3\sqrt{3}$ (C) $\frac{1}{3\sqrt{3}}$ (D) 1

10 **If the roots of the equation $x^2 - bx + c = 0$ are two consecutive integers, then what is the value of b^2-4c?**

(A) –2 (B) 3 (C) 2 (D) 1

11 **In the given figure, KL // AC // YZ. B and D are equidistant from AC. If 5KL = YZ, find the ratio of areas of ΔBKL and ΔDYZ.**



(A) 1: 25 (B) 5 : 1 (C) 1 : 5 (D) 25 : 1

12 **Which of the given statements is true?**

(A) Numbers of the form $3m + 1$ are always even.

(B) $(28)^n$ can end with zero.

(C) For any $n \in N$, $n^3 - n$ is always divisible by 6.

(D) Euclid's division lemma can be used only for calculating L.C.M.

13 **Identify the ratio in which the line joining (4, 5) and (–10, 2) is cut by the Y – axis.**

(A) –5 : 2 (B) 3 : 5 (C) –5 : 3 (D) 2 : 5

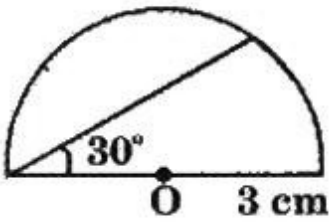
14 **If α, β and γ are the zeroes of the polynomial $x^3 - 5x^2 - 2x + 24$, which of the following is the difference of two zeroes?**

(A) 1 (B) 2 (C) 3 (D) 4

15 **In ΔABC, E is a point on AB, G and D are two points on BC such that EG is parallel to AD and ED is parallel to AC. Find the value of BC if BG = 4 cm, GD = 6 cm, and BE = 8 cm.**

(A) 15 cm (B) 12 cm (C) 25 cm (D) 19 cm

16 **In the given figure, one side of the 30° inscribed angle is the diameter of a semicircle of radius 3 cm. What is the perimeter of the shaded region bounded by the inscribed angle and its intercepted arc?**



(A) $(9\sqrt{3} + \pi)$ cm (B) 14.34 cm (C) $(6\sqrt{3} + \pi)$ cm (D) 17.56 cm

17 **If the system of equations $2x + 3y = 7$ and $2ax + (a + b)y = 28$ represents coincident lines, which of the conditions holds true?**

(A) $b = 2a$ (B) $a = 2b$ (C) $2a + b = 0$ (D) $a + 2b = 0$

18 **Evaluate $\sin^2\left(\frac{\pi}{4}\right) + \sin^2\left(\frac{3\pi}{4}\right) + \sin^2\left(\frac{5\pi}{4}\right) + \sin^2\left(\frac{7\pi}{4}\right)$.**

(A) 0 (B) 1 (C) 2 (D) $2\sqrt{2}$

19 **Which of the following is NOT a composite number?**

(A) $2\times3\times5\times13\times17+13$ (B) $7\times6\times5\times4\times3\times2\times1+5$

(C) $17\times41\times43\times61+43$ (D) $2\times3\times43+13$

20 **In ΔABC, D is a point on side BC. Find AB, if AC = 3 cm, AD = 3 cm, BD = 8 cm and CD = 1 cm.**

(A) 7 cm (B) 9 cm (C) 11 cm (D) 6 cm

21 **If the two zeroes of a quadratic polynomial $ax^2 + bx + c$ are negative, which of the following statements holds true?**

(A) a and c are of opposite signs.

(B) a, b and c have the same sign.

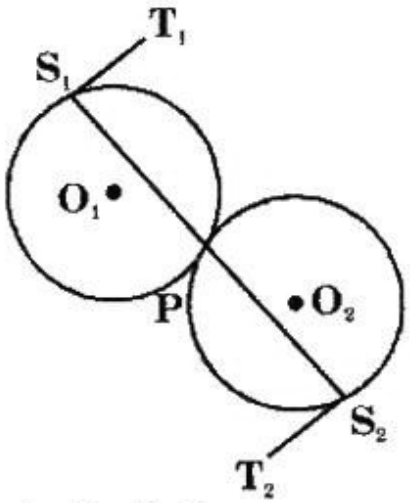
(C) a and b are of opposite signs.

(D) b and c are of opposite signs.

22 **Find the area of a triangle whose vertices are (0, 0), (0, b) and (x, y).**

(A) $\frac{xy}{2}$ (B) xy (C) $\frac{bx}{2}$ (D) by

23 **In the given figure, two circles (having centres O_1 and O_2) touch externally at point P. S_1T_1 and S_2T_2 are two tangents at points S_1 and S_2 respectively.**



If $\angle O_1PS_1 = 20°$, find the measure of $\angle PS_2T_2$.

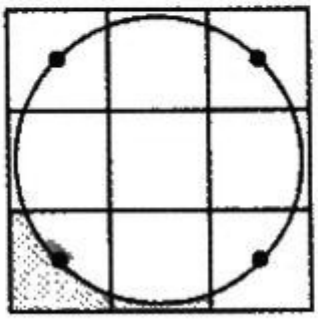
(A) 20° (B) 50° (C) 70° (D) 90°

24 **Which of these terms of the sequence given is the first negative term?**

$$15, 13\frac{3}{4}, 12\frac{1}{2}, 11\frac{1}{4}, \ldots\ldots$$

(A) 12^{th} (B) 13^{th} (C) 14^{th} (D) 18^{th}

25 **The figure shows nine 1 cm × 1 cm squares and a circle. The circle passes through the centres of the squares in the four corners.**

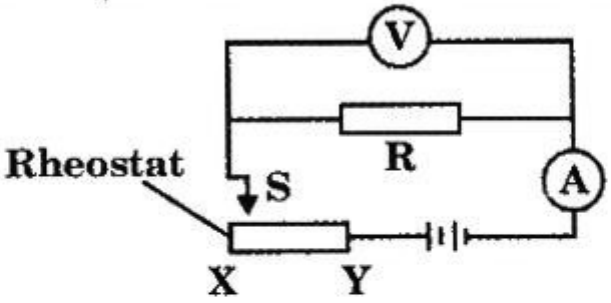


What is the area (in sq. cm) of the shaded region?

(A) $81 - \sqrt{2}\pi$ (B) $\frac{9-2\pi}{4}$ (C) $9 - 2\pi$ (D) $\frac{81-2\pi}{2}$

Class : X — Physics

26 **A rheostat connected in a circuit is shown in the figure.**



The reading of the ammeter is I and that of the voltmeter is V. How do the values of I and V change when the sliding contacts of the rheostat are slowly moved from X to Y?

(A) I increases and V increases

(B) I increases and V decreases

(C) I decreases and V increases

(D) I decreases and V decreases

27 **Study the information given in the box.**

> **A spherical mirror in which the reflection of light takes place at the bent-in-surface**

Which mirror is described?

(A) Concave mirror (B) Convex mirror
(C) Plane mirror (D) All of the above

28 **A bulb rated 240 V, 100 W is connected to a 120 V supply. What can be inferred?**

(A) The bulb fuses
(B) The bulb lights up but it is dim
(C) The bulb lights up to normal brightness
(D) The bulb lights up initially and then it fuses

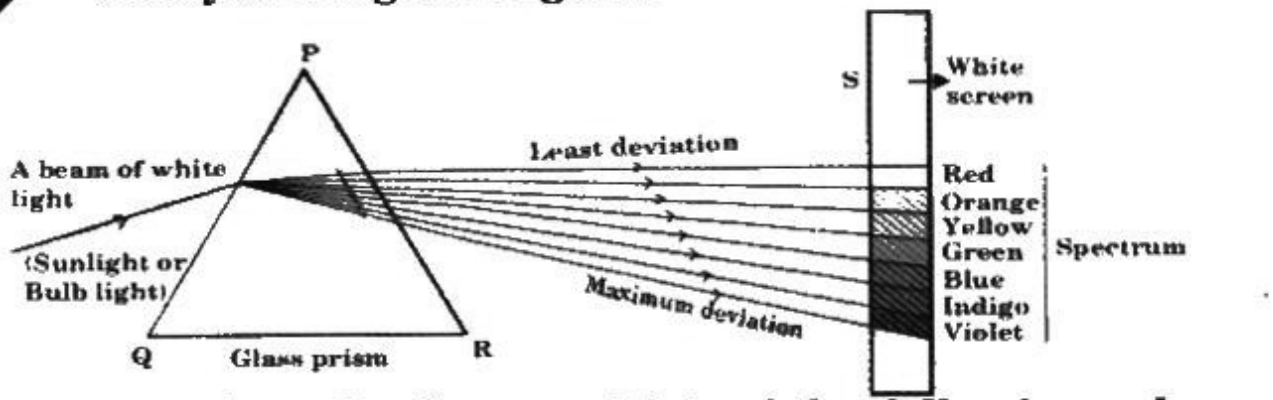
29 **A magnetic field is produced by the current passing through a long straight wire. When will the strength of the magnetic field increase?**

(A) When the magnitude of the current increases
(B) When the distance from the wire increases
(C) When the length of the wire increases
(D) When the thickness of the wire increases

30 **Identify the S.I. unit of power of lens.**

(A) Metre (B) Centimetre (C) Diopter (D) No units

31 **Analyse the given figure.**



Based on the figure, which of the following colours of white light has the least wavelength?

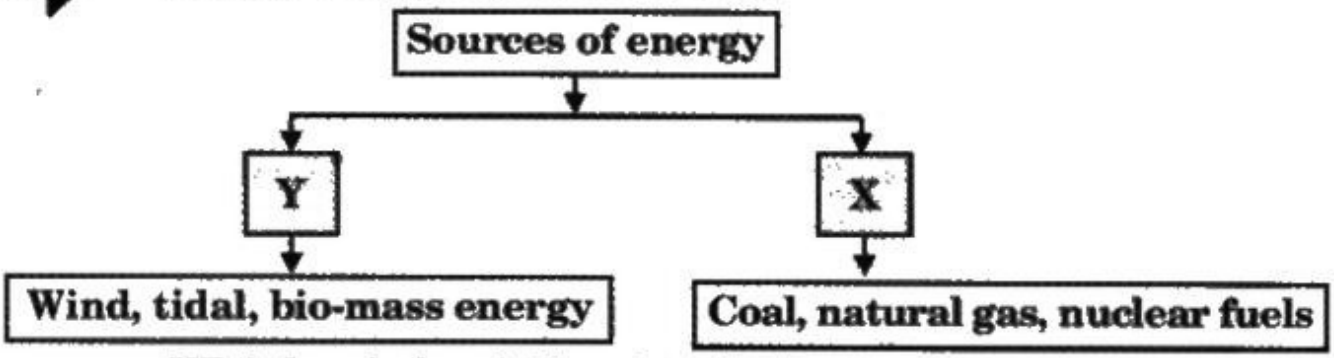
(A) Red (B) Orange (C) Violet (D) Blue

32 **Which of the following are NOT the functions of the commutator in a D.C. motor?**

(i) To reverse the direction of the flow of current in the coil at every half rotation
(ii) To reverse the voltage in the coil at every half rotation
(iii) To enable the coil to be in electrical contact with the carbon brushes

(A) Only (i) and (ii) (B) Only (ii) and (iii)
(C) Only (i) and (iii) (D) (i), (ii) and (iii)

33 **Study the given flow chart.**



Which of the following belongs to category X and category Y respectively?

	X	Y
(A)	Geothermal energy	Solar energy
(B)	Petroleum	Geothermal energy
(C)	Petroleum	Coal
(D)	Solar energy	Wood

34 **Why does the pupil of a human eye appear black?**

(A) No light gets refracted from it.
(B) No light gets dispersed from it.
(C) No light gets scattered from it.
(D) No light is reflected from it.

35 **A convex lens has a focal length of 10 cm. At which of the following positions should an object be placed so that this convex lens may act as a magnifying glass?**

(A) 15 cm (B) 7 cm (C) 20 cm (D) 25 cm

36 **An electron gun emits 4×10^{16} electrons per second. To what value of electric current does this correspond?**

(A) 6.4 mA (B) 3.2 mA (C) 1.6 mA (D) 4.8 mA

37 **In the given figure, 'X' represents the actual position of a star while 'Y' represents its position which seems to be higher in the sky than it actually is.**

Which of these effects is demonstrated here?

(A) Total internal reflection (B) Looming

(C) Atmospheric refraction (D) Dispersion

38 **Analyse the given statements and choose the correct option.**

***Statement 1*: When current is represented by a straight line, the magnetic field will be circular.**

***Statement 2*: According to Fleming's left hand rule, the direction of the force is parallel to the magnetic field.**

(A) Both *statement 1* and *statement 2* are ***CORRECT*** and *statement 2* is the ***CORRECT*** explanation of the *statement 1*.

(B) Both *statement 1* and *statement 2* are ***CORRECT***, but *statement 2* is ***NOT THE CORRECT*** explanation of the *statement 1*.

(C) *Statement 1* is ***CORRECT***, but *statement 2* is ***INCORRECT***.

(D) *Statement 1* is ***INCORRECT***, but *statement 2* is ***CORRECT***.

39 **Analyse the given statements and choose the correct option.**

***Statement 1* : When a ray of light passes through a prism, it bends towards the thicker part of the prism.**

***Statement 2* : An incident ray strikes a prism, undergoes refraction and comes out as emergent ray.**

(A) Both *statement 1* and *statement 2* are ***CORRECT*** and *statement 2* is the ***CORRECT*** explanation of the *statement 1*.

(B) Both *statement 1* and *statement 2* are ***CORRECT***, but *statement 2* is ***NOT THE CORRECT*** explanation of the *statement 1*.

(C) *Statement 1* is ***CORRECT***, but *statement 2* is ***INCORRECT***.

(D) *Statement 1* is ***INCORRECT***, but *statement 2* is ***CORRECT***.

40 **Four electrical appliances are switched on for different durations of time. Which appliance consumes energy the most?**

	Appliance	Time
(A)	A 3 kW kettle	10 min
(B)	A 100 W lamp	6 h
(C)	A 5 kW oven	2 h
(D)	A 100 W lamp	24 h

41 **Which of the following statements is true about an electromagnet?**

(A) The polarity of an electromagnet cannot be changed.

(B) An electromagnet produces a comparatively weak force of attraction.

(C) The strength of an electromagnet can be changed by changing the number of turns in its coil.

(D) An electromagnet is a permanent magnet.

42 **What is the angle between the incident ray and the emergent ray called?**

(A) Angle of the prism (B) Base angle

(C) Angle of deviation (D) Angle of refraction

43 **Analyse the given statements and choose the correct option.**

Statement 1 : **Bending a wire does not affect the electrical resistance.**

Statement 2 : **Resistance of a wire is proportional to resistivity of the material.**

(A) Both *statement 1* and *statement 2* are ***CORRECT*** and *statement 2* is the ***CORRECT*** explanation of the *statement 1*.

(B) Both *statement 1* and *statement 2* are ***CORRECT***, but *statement 2* is ***NOT THE CORRECT*** explanation of the *statement 1*.

(C) *Statement 1* is ***CORRECT***, but *statement 2* is ***INCORRECT***.

(D) *Statement 1* is ***INCORRECT***, but *statement 2* is ***CORRECT***.

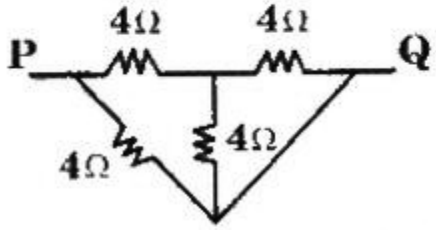
44 **Identify the effects produced by the scattering of sunlight by the earth's atmosphere.**

(i) Appearance of sky in blue colour
(ii) The red colour of sun at sunrise
(iii) Formation of mirages

(A) Only (i) and (ii) (B) Only (ii) and (iii)

(C) Only (i) and (iii) (D) (i), (ii) and (iii)

45 **Find the equivalent resistance between P and Q in the given circuit.**



(A) 4 Ω (B) 3 Ω (C) 2.4 Ω (D) 2 Ω

46 **A lemon is kept in a glass tumbler with water. How does it appear due to refraction of light?**

(A) The lemon appears to float above the surface of water.

(B) The lemon appears to be smaller than its actual size.

(C) The lemon appears to be bigger than its actual size.

(D) The lemon appears to be of the same size as its actual size.

47 **The working of optical instruments like camera, microscope, telescope, etc. having glass lenses is based on a phenomenon of light. Identify the phenomenon.**

(A) Reflection (B) Refraction (C) Dispersion (D) Scattering

48 **When a beam of sunlight enters a dusty room, its path becomes visible to us. Which effect of light is discussed here?**

(A) Dispersion (B) Refraction (C) Tyndall (D) Reflection

49 **V_1, V_2 and V_3 are the potential differences across the 1Ω, 2Ω and 3Ω resistors and the flow of current is 5 A in a circuit.**

Which of the following shows the correct values of V_1, V_2 and V_3 measured in volts?

	V_1	V_2	V_3
(A)	1.0	2.0	3.0
(B)	5.0	10.0	15.0
(C)	5.0	2.5	1.6
(D)	4.0	3.0	2.0

50 **When a charged particle moves through a magnetic field, it undergoes a change in its**

(A) energy. (B) mass.

(C) speed. (D) direction of motion.

51 **Study the physical properties of metal 'X' given in the box.**

- It has a high melting point
- It is a good conductor of electricity
- It is malleable

Based on these properties, identify 'X'.

(A) Copper (B) Graphite (C) Potassium (D) Iodine

52 **Sodium is strongly metallic while chlorine is strongly non-metallic. Which of the following statements supports the formation of a stable ionic salt NaCl from sodium and chlorine?**

(A) Low value of I.E. of chlorine

(B) Low value of I.E. of sodium

(C) High value of E.A. of chlorine

(D) Both (B) and (C)

53 **Identify the characteristics of a chemical reaction.**

(A) Change in state, colour and temperature

(B) Evolution of a gas

(C) Formation of a precipitate

(D) All of the above

54 **Why are large alkane molecules cracked to form smaller molecules to use it as a fuel?**

(A) It forms only 20% of the crude oil.

(B) To meet the demand for small alkane molecules.

(C) Crude oil does not contain small alkane molecules.

(D) Small alkane molecules can be polymerised.

55 **The following table shows solutions X, Y and Z with their respective pH values.**

Solutions	X	Y	Z
pH	3	7	12

Based on the given information which of the following statements is false?

(A) Solution X reacts with metals to liberate H_2 gas.

(B) Solution Y is formic acid.

(C) Solution Z reacts with solution X to form salt and water.

(D) Solution X reacts with calcium carbonate to give off CO_2 gas.

56 **Study the changes given in the box.**

(i) The ripening of fruits
(ii) The fermentation of molasses
(iii) The magnetisation of iron

Identify the chemical changes.

(A) Only (i) and (ii)
(B) Only (ii) and (iii)
(C) Only (i) and (iii)
(D) (i), (ii) and (iii)

57 **A boy touches the leaves of a nettle plant, and feels a burning pain. What is the reason?**

(A) A layer of sulphuric acid is present on the leaves of nettle plant.

(B) A layer of acidic salts is present on its hair around the nettle leaf.

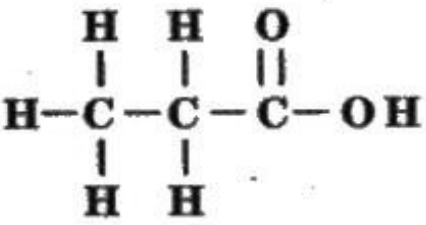
(C) The stinging hair of the plant injects methanoic acid.

(D) The stinging hair of the plant injects magnesium hydroxide.

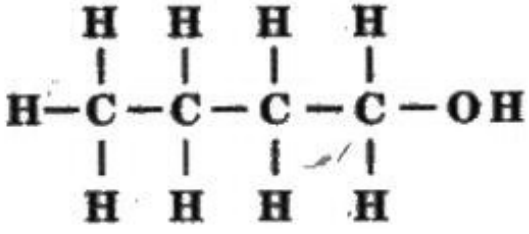
58 **Which oxide can be reduced to the metal using carbon?**

(A) Zinc oxide
(B) Magnesium oxide
(C) Sodium oxide
(D) Calcium oxide

59 **The structures of an acid and an alcohol are shown in the given figures.**



Acid



Alcohol

Which of these pairs of compounds correctly identifies the given two compounds?

	Acid	Alcohol
(A)	Ethanoic	Butanol
(B)	Ethanoic	Propanol
(C)	Propanoic	Butanol
(D)	Butanoic	Propanol

60 **Identify the pair of elements from among the following which have the same number of valence electrons.**

(A) Cl, Ar (B) C, Ge (C) Na, Ca (D) K, Mg

61 **Which of the following can be used to distinguish between ethane and ethene?**

(A) A lighted splinter (B) Aqueous bromine
(C) Litmus solution (D) Lime water

62 **When electricity is passed through an aqueous solution of brine, it decomposes to form 'X'. This process is called 'Y' because of the products formed. Products 'Z' and 'W' are formed at the cathode and the anode respectively. Identify, X, Y, Z and W.**

	X	Y	Z	W
(A)	Sodium hydroxide	Chlor-alkali	Hydrogen	Chlorine
(B)	Hydrogen	Chlor-alkali	Chlorine	Sodium hydroxide
(C)	Chlorine	Sodium hydroxide	Hydrogen	Chlor-alkali
(D)	Sodium hydroxide	Hydrogen	Chlorine	Chlor-alkali

63 **Which period in the periodic table has both 's' and 'p' block elements?**

(A) 2nd period (B) 1st period
(C) 3rd period (D) Both (A) and (C)

64 **Which of the following metals does not form oxides?**

(A) Aluminium (B) Gold (C) Zinc (D) Lead

65 **When sodium hydroxide solution is added to copper sulphate solution, a blue precipitate of copper hydroxide is formed along with sodium sulphate solution. What kind of chemical reaction takes place between them?**

(A) Chemical combination reaction
(B) Chemical decomposition reaction
(C) Chemical displacement reaction
(D) Chemical double decomposition reaction

66 **Which of the following lines in the periodic table separates metals from non-metals?**

(A) Zig-zag (B) Straight
(C) Curved (D) Both (B) and (C)

67 **Identify an element – element combination reaction from the following.**

(A) $2Pb(NO_3)_2 \rightarrow 2PbO + 4NO_2 + O_2$
(B) $2Al_2O_3 \rightarrow 4Al + 3O_2$
(C) $S + O_2 \rightarrow SO_2$
(D) $2CO + O_2 \rightarrow 2CO_2$

68 **What does the 'p' in pH stand for?**

(A) Pressure (B) Potenz
(C) Physical change (D) Precipitate

69 **Identify the non-metal which is used for making electrodes and which is also a good conductor of electricity.**

(A) Carbon (B) Sulphur
(C) Graphite (D) Phosphorus

70 **Study the list of compounds given.**

C_2H_2
C_3H_4
C_4H_6
C_5H_8
C_6H_{10}

What do all the members of the given compounds have in common?

(A) The empirical formula (B) The general formula
(C) The molecular formula (D) The structure

Class : X — Biology

71 **Given in the box are steps written randomly for the experiment to show that light is essential for photosynthesis.**

(i) Pluck the leaf to be experimented
(ii) Cover a portion of leaf on both sides by using strips of black paper
(iii) Keep the plant in dark place for three days to destarch its leaves
(iv) Test the experimental leaf for the presence of starch
(v) Expose the plant to sunlight for four hours
(vi) Remove the black paper strips from the leaf

Which of the following sequences of steps is to be followed for the successful run of the experiment?

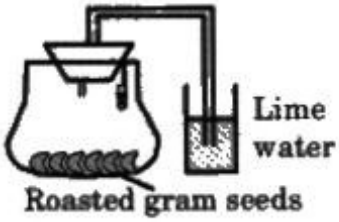
(A) (i), (iii), (ii) (iv), (v), (vi)
(B) (ii), (i), (v), (vi), (iii), (iv)
(C) (iii), (ii), (v), (i), (vi), (iv)
(D) (v), (ii), (i), (iii), (iv), (vi)

72 **Given in the following figures are four different setups to show that carbon dioxide is released during respiration.**

Identify the setup that will give the desired result.

(A) 

(B) 

(C) 

(D) 

73 **In pea plants, tall plants are dominant over short plants. If two heterozygous tall plants are crossed, what percent of the offspring will be short?**

(A) 75% (B) 50% (C) 25% (D) 0%

74 **What is the basic difference between binary fission and budding?**

(A) In budding, the parent's identity is lost, while in binary fission, it is maintained.

(B) In binary fission, the parent's identity is lost, while it is maintained in budding.

(C) There is a fusion of daughter cells in binary fission while in budding, genetically non-identical daughter cells are produced.

(D) In binary fission, two dissimilar individuals (daughter cells) are formed while in budding, daughter and parent cells are similar.

75 **Which of the following cannot be added in a composting pit to prepare compost?**

(A) Fruit and vegetable peels and paper cups

(B) Earthworms and redworms

(C) Pea plants, dried leaves and sunflower plants

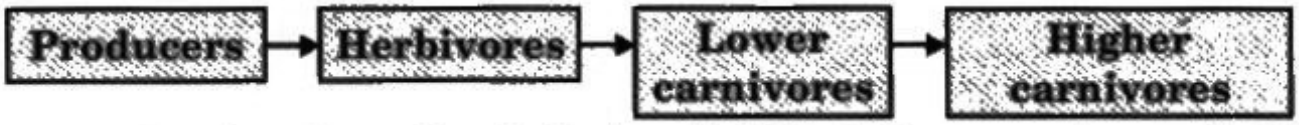
(D) Flowers of plastic and a glass vase

76 **Which of the following blood vessels does not carry any carbon dioxide?**

(A) Pulmonary artery (B) Vena cava

(C) Hepatic vein (D) Pulmonary vein

77 **The figure given shows the transfer of energy in an ecosystem.**



In the given food chain, 10,000 J of energy is available with producers. Calculate and find the amount of energy received from producers to top carnivores.

(A) 1, 000 J of energy (B) 100 J of energy

(C) 10 J of energy (D) 1 J of energy

78 **Which of the following statements is related to biological magnification?**

(A) There is a progressive increase in biological activities through trophic levels.

(B) There is a progressive increase in the level of harmful substances through trophic levels.

(C) There is a progressive increase in the body weight through trophic levels.

(D) There is a progressive increase in the number of organisms through trophic levels.

79 **Which of the following movements is not a directional movement?**

(A) The bending of the shoot of a plant in response to light

(B) The closing up of leaves of a sensitive plant on being touched with an object

(C) The climbing up of a plant on an object by using tendrils

(D) The movement of the root of a plant towards a source of water

80 **Which of the following organisms reproduce by the fragmentation method?**

(A) Rhizopus and Penicillium
(B) Hydra and Amoeba
(C) Paramecium and Plasmodium
(D) Spirogyra and Sea anemone

81 **In the pea plants the factors round yellow seeds (RRYY) is dominant over wrinkled green seeds (rryy). Keeping this in mind, identify the seed that has the genotype round and green.**

(A) Rryy (B) rrYy (C) RrYy (D) RRYy

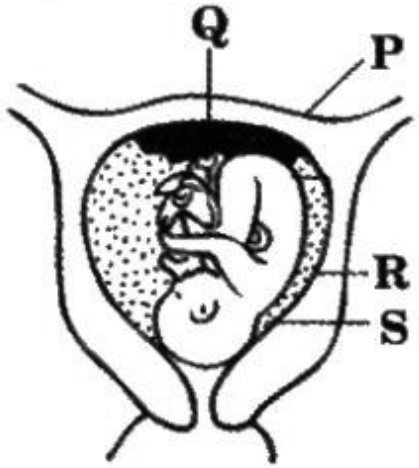
82 **Which of the following birds has become extinct?**

(A) Ostrich (B) Kiwi (C) Dodo (D) Tern

83 **Which of the following parts of the flower develops to become a fruit?**

(A) Stigma (B) Style (C) Ovary (D) Stamen

84 **Observe the given figure.**



Which of the following labelled structures helps in the exchange of nutrients, oxygen and waste products between the embryo and the mother?

(A) P (B) Q (C) R (D) S

85 **Given in the box is the comparison of photosynthesis and respiration.**

	Photosynthesis	Respiration
Raw materials	Water and CO_2	Glucose and oxygen
Products	Glucose and oxygen	Water and CO_2
Purpose	Store energy	Release energy

The process of photosynthesis and respiration can be thought of as a cycle because of which of the following?

(A) One is used only by plants and the other is used only by animals.

(B) Both give off oxygen to be used by animals.

(C) The products of one are used as the raw materials of the other.

(D) Both of them have the same purpose.

86 **The wings of a housefly and the wings of a pigeon are examples of**

(A) analogous organs. (B) vestigial organs.

(C) respiratory organs. (D) homologous organs.

87 **The nerve cell has branches that develop during cell specialization. These branches help the nerve cell to perform which of the following functions?**

(A) Communication with other cells

(B) Moving from one location to the other

(C) Storing extra DNA

(D) Exerting force on non-nervous tissue

88 **Which of the following is the correct sequence of the events of sexual reproduction in a flower?**

(A) Pollination, Fertilisation, Embryo, Seed

(B) Pollination, Fertilisation, Seed, Embryo

(C) Seed, Embryo, Fertilisation, Pollination

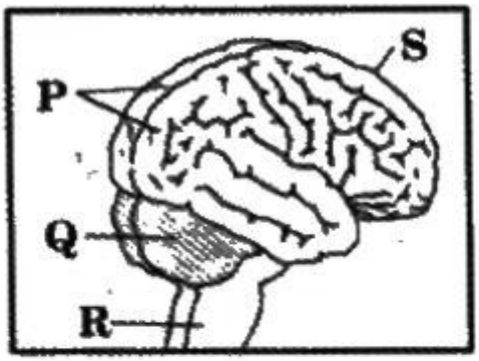
(D) Embryo, Seed, Fertilisation, Pollination

89 **Match the following hormones in Column I with their functions in Column II.**

	Column - I		Column - II
i.	Thyroxine	p.	Prepares the body for an emergency
ii.	Adrenaline	q.	Controls the levels of calcium and phosphate in blood
iii.	Insulin	r.	Controls metabolic rate
iv.	Parathormone	s.	Regulates the amount of sugar in blood

(A) i - r, ii - q, iii - p, iv - s (B) i - s, ii - r, iii - q, iv - p
(C) i - r, ii - p, iii - s, iv - q (D) i - p, ii - q, iii - r, iv - s

90 **The diagram shows a section of the human brain.**



Which of these labelled parts helps in the maintaining of posture and balance of the body?

(A) P (B) Q (C) R (D) S

Class : X — General Awareness

91 **When was the opening ceremony of the 2012 London Summer Olympics held?**

(A) 27th July, 2012 (B) 25th July, 2012
(C) 12th August, 2012 (D) 27th August, 2012

92 **Patola, Sambalpuri and Maheshwari are varieties of which Indian garment?**

(A) Salwar (B) Kurti (C) Sari (D) Dhoti

93 **How can a hand written message be sent instantly to any part of the world?**

(A) Through e-mail (B) Through FAX
(C) Through courier (D) Through speed post

94 **In which city is the famous Wall Street located?**

(A) Moscow (B) Los Angeles
(C) Beijing (D) New York City

95 **Grizzly, Sloth, Polar and Spectacled are all animals of which species?**

(A) Deer (B) Shark (C) Bear (D) Camel

96 **Who won a silver medal in shooting at the 2012 London Summer Olympics?**

(A) Vijay Kumar (B) Gagan Narang
(C) Abhinav Bindra (D) Sanjeev Rajput

97 **Which gemstone in its pure form is colourless and can be mistaken for a diamond ?**

(A) Pearl (B) Topaz (C) Amethyst (D) Ruby

98 **Expand NAFTA.**

(A) North American Free Trade Agreement
(B) Noth Atlantic Free Trade Association
(C) North American Free Trade Association
(D) North Atlantic Free Transport Association

99 **Which country is the largest producer of natural rubber in the world?**

(A) Thailand (B) Malaysia (C) Burma (D) Indonesia

100 **The Government of India has recently allowed a chemical to be mixed with petrol. Identify the chemical.**

(A) Kerosene (B) Ethanol (C) Butanol (D) Methanol

Key for NSTSE-2013

1. A	2. A	3. D	4. C	5. C	6. B	7. B	8. D	9. D	10. D
11. A	12. C	13. D	14. A	15. C	16. B	17. A	18. C	19. D	20. B
21. B	22. C	23. C	24. C	25. B	26. A	27. A	28. B	29. A	30. C
31. C	32. B	33. B	34. D	35. B	36. A	37. C	38. C	39. B	40. C
41. C	42. C	43. B	44. A	45. C	46. C	47. B	48. C	49. B	50. D
51. A	52. D	53. D	54. B	55. B	56. A	57. C	58. A	59. C	60. B
61. B	62. A	63. D	64. B	65. D	66. A	67. C	68. B	69. C	70. B
71. C	72. D	73. C	74. B	75. D	76. D	77. C	78. B	79. B	80. D
81. A	82. C	83. C	84. B	85. C	86. A	87. A	88. A	89. C	90. B
91. A	92. C	93. B	94. D	95. C	96. A	97. B	98. A	99. A	100. B