TALLENTEX 2027

Syllabus & Pattern

Class: 10

PHYSICS



- Motion (9th)
- Force and Laws of Motion (9th)
- Gravitation (9th)
- Sound (9th)
- Work, Power and Energy (9th)
- Reflection of Light (10th)
- Refraction of Light (10th)
- The Human Eye and Colourful World (10th)

CHEMISTRY



- Atoms and Molecules(9th)
- Structure of the Atom(9th)
- Chemical Reactions and Equations(10th)
- Acids, Bases and Salts(10th)
- Metals and non-metals(10th)

BIOLOGY



- Tissues in Action
- Improvement in Food Resources
- Nutrition
- Respiration
- Transportation
- Excretion
- Control and Coordination

MATHS



- Heron's Formula (9th)
- Statistics (9th)
- Surface area and Volumes (9th)
- Lines and Angles (9th)
- Quadrilaterals (9th)
- Real Numbers (10th)
- Coordinate Geometry (10th)
- Introduction to Trigonometry (10th)
- Pair of Linear Equations in Two Variables (10th)
- Polynomials (10th)
- Triangles (10th)

IQ



- Alphabet Test
- Arithmetical Reasoning
- Blood Relation
- Coding-Decoding
- Counting of Figures
- Dice
- Cube
- Direction Sense
- Embedded Figure
- Mathematical Operations
- Inserting the Missing Character
- Series (Verbal & Non-Verbal)
- Number, Ranking and Time Sequence Test
- Puzzle Test
- Sitting Arrangement
- Syllogism

Offline & Online Exam Mode Pattern

Pattern of Questions

80 Objective Type Questions - Offline

100 Objective Type Questions - Online

MCQs of 4 choices (single correct answer)

Marking Scheme

+4 for correct answer & -1 for wrong answer (Negative Marking)

Question Distribution – Offline

Physics: 15, Chemistry: 15, Biology: 15, Maths: 15, IQ: 20

Question Distribution – Online

Physics: 19, Chemistry: 18, Biology: 19, Maths: 19, IQ: 25

Medium : English Only

Duration:

Online: 2 Hours. It is Compulsory to be logged in to the portal at least 30 minutes before the test to avoid technical issue.

Offline: 2 Hours. It is Compulsory to take seat in exam hall at least 30 minutes before test to fill OMR.

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FOR OFFLINE EXAM

CLASS X

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SECTION-A : PHYSICS

This section contains **15 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which **ONLY ONE** is correct.

1. The distance between three consecutive troughs in a wave produced in a string is 4 cm. If 2.5 wave cycles pass through any point in a second, the wave in the string has velocity
(1) 10 cm/s (2) 0.16 cm/s (3) 0.8 cm/s (4) 5 cm/s

2. The splitting of white light into different colours on passing through a prism is called
(1) reflection (2) refraction
(3) dispersion (4) deviation

3. The velocity of a body moving with a uniform retardation of 5 m/s^2 is 100 m/s at an instant. Its velocity after 7 second is
(1) 135 m/s (2) 100 m/s (3) 65 m/s (4) Zero

4. A passenger in an aeroplane
(1) shall never see a rainbow
(2) may see a primary and a secondary rainbow as concentric circles
(3) may see a primary and a secondary as concentric arcs
(4) shall never see a secondary rainbow

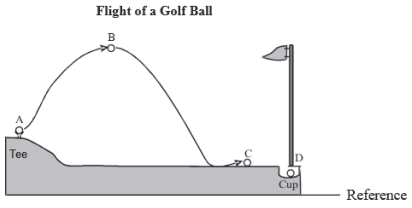
5. A child is stuck on a frictionless horizontal surface and cannot exert any horizontal force by pushing against the surface. How can he get off?
(1) By running (2) By rolling (3) By jumping (4) By spitting or coughing

6. A man runs towards a mirror at a speed 15 m/s. The speed of the image relative to the man is
(1) 15 ms^{-1} (2) 30 ms^{-1} (3) 35 ms^{-1} (4) 20 ms^{-1}

7. A plane mirror makes an angle of 30° with horizontal. If a vertical ray strikes the mirror, find the angle between mirror and reflected ray
(1) 30° (2) 45° (3) 60° (4) 90°

8. Refractive index of glass is $\frac{3}{2}$ and refractive index of water is $\frac{4}{3}$. If the speed of light in glass is 2.00 $\times 10^8$ m/s, the speed in water will be
(1) 2.67×10^8 m/s (2) 2.25×10^8 m/s
(3) 1.78×10^8 m/s (4) 1.50×10^8 m/s

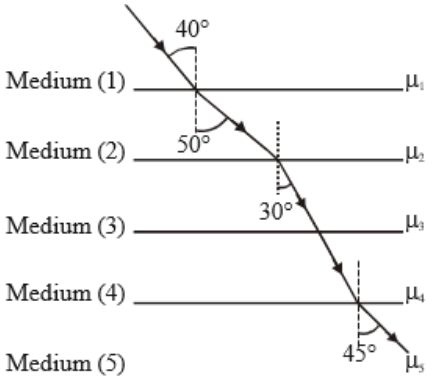
9. Eddie hits a golf ball from the tee into the cup. At point A, the ball is stationary on the tee. At point B, the ball is at its highest point in the air. At point C, the ball is rolling on the ground. At point D, the ball is stopped in the cup. The diagram below shows the path the ball traveled from the tee to the cup



Choose the correct option

At A	From A to B	From B to C	At D
(1) Only PE	Both KE + PE	Both KE + PE	Only PE
(2) Only KE	Both KE + PE	Both KE + PE	Only PE
(3) Only PE	Only PE	Only KE	Only KE
(4) Only KE	Only PE	Only KE	Only PE

10. A ray of light follows the path as shown in figure as it travels though different media. Choose the correct relation regarding refractive indices from the given alternatives.



(1) $\mu_1 > \mu_2 < \mu_3 = \mu_4 > \mu_5$ (2) $\mu_1 = \mu_2 < \mu_3 = \mu_4 > \mu_5$

(3) $\mu_1 > \mu_2 < \mu_3 > \mu_4 < \mu_5$ (4) $\mu_1 < \mu_2 < \mu_3 = \mu_4 > \mu_5$

11. An iron sphere of mass 20 kg has same diameter as an aluminium sphere of mass 12 kg. Both spheres are dropped from towers of same height. When they are 10 meter above the ground, they have the same (neglect air resistance)

(1) acceleration (2) velocity (3) kinetic energy (4) both (1) and (2)

12. A force of 980 N acts on a body for 0.1 seconds. Calculate the change in momentum of the body.

(1) 98 N s (2) 9.8 N s (3) 0.98 N s (4) 980 N s

13. The weight of a rock on the moon is 200.6 N. What is its mass on the earth ? (Take g of earth = 9.8 ms^{-2}, g of moon=1.7 ms^{-2})

(1) 20 kg (2) 118 kg (3) 200 kg (4) 1180 kg

14. Two metal spheres of equal radius r and equal densities are touching each other. The force of attraction F between them is

(1) $F \propto r^4$ (2) $F \propto r^6$ (3) $F \propto r^2$ (4) $F \propto \frac{1}{r^2}$

15. Two men with their weights in the ratio 5 : 3 run up a staircase in times in the ratio 11 : 9. Then the ratio of power of first to that of second is-

(1) $\frac{15}{11}$ (2) $\frac{11}{15}$ (3) $\frac{11}{9}$ (4) $\frac{9}{11}$

SECTION-B : CHEMISTRY

This section contains **15 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which **ONLY ONE** is correct

16. Match the following :-

	Column-I		Column-II
A	Sodium	p	Yellow in colour
B	Helium	q	Diatomic
C	Sulphur	r	Soft metal
D	Hydrogen gas	s	Noble gas

(1) A-p, B-q, C-r, D-s (2) A-q, B-r, C-p, D-s

(3) A-r, B-s, C-p, D-q (4) A-q, B-p, C-r, D-s

17. The given table shows the number of electrons, neutrons and protons in some atoms or ions elements

Atom or ion	Electron	Neutron	Proton
A	10	12	12
B	17	20	17
C	18	18	17
D	5	6	5
E	12	12	12

Which of the following statements is incorrect?

(1) A is a cation while C is anion. (2) B and C are atoms of different elements.

(3) E has a nucleon number 24 and it is a metal. (4) None of these

18. Some elements and ions with their valencies are enlisted in the given table:

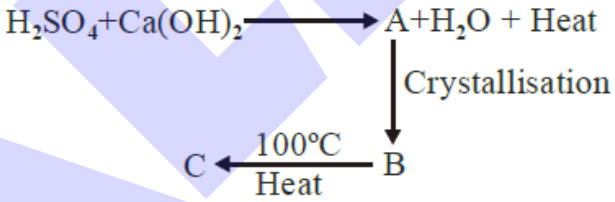
Name (Valency)		Name (Valency)	
i	Oxygen (2)	vi	Sodium (2)
ii	Iodine (1)	vii	Helium (2)
iii	Argon (0)	viii	Chlorine (1)
iv	Magnesium (3)	ix	Potassium (1)
v	Carbon (4)	x	Aluminium (3)

Select the incorrect match.

(1) (iv), (v), (vii) and (ix) (2) (iv), (vi) and (vii)

(3) (i), (viii), (ix) and (x) (4) (ii), (iii), (v) and (ix)

19. Read the given process carefully. What are A, B and C respectively?



(1) Gypsum, Lime, Plaster of paris

(2) Calcium sulphate, Gypsum, Plaster of paris

(3) Lime, Plaster of paris, Gypsum

(4) None of these

20. Carbon dioxide, made up of elements carbon and oxygen, contains 27.2% by mass of carbon. What mass of oxygen will combine with 10g of carbon?

(1) 26.7g (2) 3.74g (3) 7.28g (4) 4.28g

21. Aluminium and copper are extracted from their oxide and sulphide ores respectively. Which of the following is correct?

(I) Copper is extracted by the auto reduction of copper oxide by copper sulphide.

(II) Aluminium cannot be obtained by chemical reduction due to its strong affinity for oxygen.

(III) Smelting process (reduction with carbon) is also used for Aluminium.

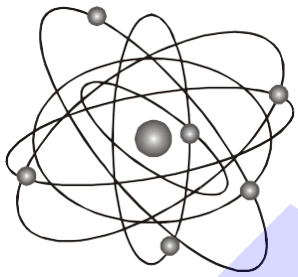
(IV) Sulphide ores of copper are difficult to be reduced than the oxide ores.

(1) I, II and IV (2) I and III (3) II and III (4) II and IV

22. A car battery was accidentally knocked over and the sulfuric acid was spilt onto a marble floor. It was observed that the acid began to fizz, indicating a gas was produced. Which gas is most likely to be produced?
(1) Carbon dioxide (2) Hydrogen (3) Oxygen (4) Sulphur dioxide

23. Among the following statements, the incorrect one is
(1) Calamine and siderite are carbonates.
(2) Argentite and cuprite are oxides.
(3) Zinc blende and pyrites are sulphides.
(4) Malachite and Azurite are ores of copper.

24. The diagram below shows a model of an atom that was developed following Rutherford's experiment



Which component of the atom is not represented in Rutherford's atomic model?
(1) The neutrons (2) The nucleus (3) The electrons (4) The protons

25. Which of the following pairs are isotopes?
(1) Oxygen and ozone (2) Ice and steam
(3) Nitric oxide and nitrogen dioxide (4) Hydrogen and deuterium

26. Gold and platinum group metals are found in nature in metallic form because
(1) they are solids at room temperature. (2) they are highly reactive.
(3) they are soluble in water. (4) they are relatively inert.

27. Which metal can prevent the corrosion of iron ?
(1) Zn (2) Cu (3) Pb (4) Ag

28. A silver article turns black when kept open in air for few days. The article when rubbed with toothpaste again starts shining because
(1) hydrogen peroxide present in the toothpaste reacts to give silver sulphate.
(2) hydrated silica present in the toothpaste reacts to give silver oxide.
(3) aluminium hydroxide present in the toothpaste reacts to give silver hydroxide.
(4) calcium carbonate present in the toothpaste reacts to give silver carbonate.

29. Consider the following statement :
(i) Pb(OH)Cl is an acid salt.
(ii) A solution contain pH = 0 is neutral in nature.
(iii) If the concentration of (OH^-) is 10^{-2} then the pH of solution is 12.
(iv) Blood is slightly basic in nature.
(1) All statement are correct (2) Only (iii) and (iv) is correct
(3) Only (i), (ii) and (iv) is correct (4) Only (iii) is correct

30. Match the following –

Column A	**Column B**
Types of chemical reaction	Chemical equations
(a) Combination reaction	(i) $CaCO_3 \xrightarrow{\Delta} CaO + CO_2$
(b) Thermal decomposition reaction	(ii) $2H_2O \xrightarrow{\text{Electricity}} 2H_2 + O_2$
(c) Displacement reaction	(iii) $CaO + CO_2 \longrightarrow CaCO_3$
(d) Electric decomposition reaction	(iv) $Fe(s) + CuSO_4(aq.) \longrightarrow FeSO_4(aq) + Cu(s)$

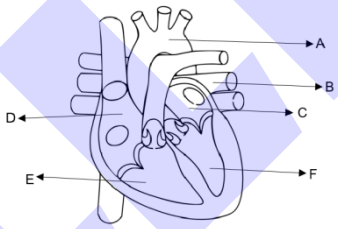
(1) a(ii), b(i), c(iv), d(iii) (2) a(i), b(ii), c(iii), d(iv)
(3) a(iii), b(i), c(iv), d(ii) (4) a(iii), b(i), c(ii), d(iv)

SECTION-C : BIOLOGY

This section contains **15 multiple choice questions**. Each question has four choices (1), (2), (3) and (4) out of Which **ONLY ONE** is correct.

31. _____ is responsible for the recovery of water and sodium chloride from the urine
(1) Bowman's capsule (2) Ureter (3) Loop of Henle (4) Urinary bladder

32. Which of the following parts labelled in the given figure contains oxygenated blood?



(1) A , B and C only (2) A, B, C and F only
(3) D, C and E only (4) B , D and E only

33. In which of the following maximum reabsorption of glomerular filtrate occurs ?
(1) Proximal convoluted tubule (2) Distal convoluted tubule
(3) Henle's loop (4) Collecting duct

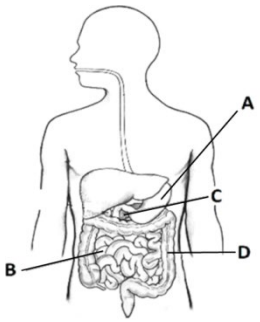
34. In which of the following plants, there will be no transpiration?
(1) Completely submerged aquatic plants (2) Plants growing in deserts
(3) Plants in tropical rainforest (4) Plants growing in hilly regions

35. Urea is mainly formed in
(1) Liver (2) Kidney (3) Lung (4) Heart

36. The translocation in plants includes the transport of _____ into the phloem tissue using energy.
(1) Glucose (2) Starch (3) Sucrose (4) Fructose

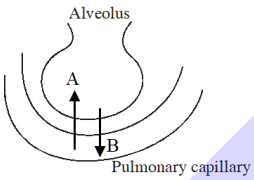
37. Choose the correct pair of digestive enzyme found in the pancreatic juice which is responsible for digestion of fats and carbohydrates respectively from the given options.
I. Lipase II. Pepsin III. Amylase IV. Erepsin
(1) I and II (2) II and IV (3) I and III (4) I, II and III

38. Given below is the diagram of human alimentary canal with parts labelled as A, B, C and D. With reference to it identify the part which is longer in deer as compared to that of lion.



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

39. Observe the given diagram carefully. Identify gases A, B and the process by which exchange of gases takes place respectively.



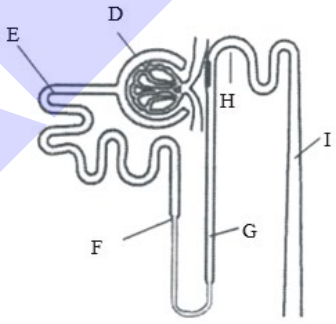
(1) A : CO_2, B : O_2, Process : Active transport
(2) A : O_2, B : CO_2, Process : Active transport
(3) A : CO_2, B : O_2, Process : diffusion
(4) A : O_2, B : CO_2, Process : diffusion

40. Which of the following is / are incorrectly paired ?

(a) Apis mellifera : little bee
(b) Sahiwal : Shows excellent resistance
(c) Jersey : Have a long lactation period
(d) Murrah : A high yielding variety of cow

(1) a and b (2) b and c (3) a and c (4) a and d

41. Refer the given figure of a nephron with some parts labelled as D, E F, G, H and I. Match the labelled parts with the functions given below and select the correct option.

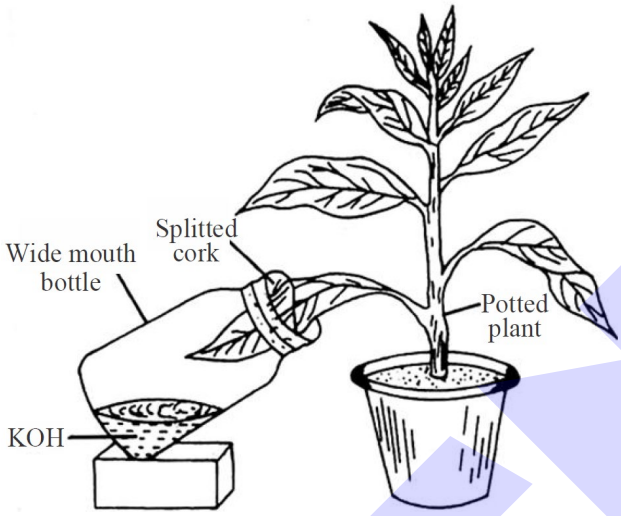


(i) 70-80 percent of electrolytes and water are reabsorbed.
(ii) Water is reabsorbed under the influence of vasopressin.
(iii) Site of ultrafiltration.

	(i)	(ii)	(iii)
(1)	F	G	E
(2)	E	H and I	D
(3)	D	F and G	I
(4)	E	D	F

42. Where is larynx positioned in the respiratory tract?
(1) Between pharynx and trachea
(2) Between bronchi and alveoli
(3) Between trachea and bronchi
(4) Between pharynx and nasal cavity

43. The given demonstration of an experiment is to prove that



(1) Sunlight is necessary for photosynthesis
(2) Chlorophyll is essential for photosynthesis
(3) O_2 is evolved during photosynthesis
(4) CO_2 is necessary for photosynthesis

44. Some species of fish can be cultured in a single fish pond. These fishes do not compete for food as they have different food habits. In the following options, fishes are paired with their food habits. Select the incorrect match.
(1) Rohu - Column feeder
(2) Silver Carp - Surface feeder
(3) Mrigal - Bottom feeder
(4) Catla - Column feeder

45. Structural and functional unit of nervous system
(1) Nephron
(2) Neuron
(3) Alveoli
(4) Both (2) and (3)

SECTION-D : MATHEMATICS

This section contains **15 Multiple Choice Questions.** Each question has four choices (1), (2), (3) and (4) out of which **ONLY ONE** is correct.

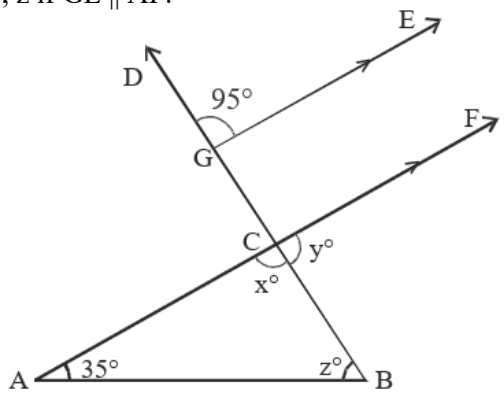
46. From $87x + 53y = 15$; $53x + 87y = -155$, find the value of $x - y$ is
(1) 4
(2) 5
(3) 3
(4) can't be determined

47. On division by 6, a^2 cannot leave remainder
(1) 1
(2) 4
(3) 5
(4) 3

48. Find the largest positive number that will divide 396, 434 and 540 leaving the remainder 5, 9 and 13 respectively.

(1) 15 (2) 13 (3) 17 (4) 19

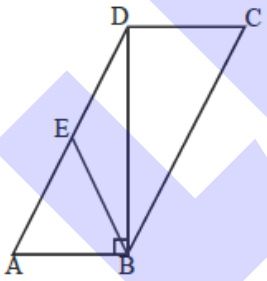
49. From the given figure, find x, y, z if GE || AF.



(1) 95°, 58°, 50° (2) 85°, 58°, 50° (3) 95°, 85°, 95° (4) 95°, 85°, 50°

50. In the given figure, ΔABCD is a parallelogram, E is midpoint of AD.

$\frac{ar(\Delta BED)}{ar(||^{gm} ABCD)} =$ _____



(1) $\frac{4}{3}$ (2) $\frac{1}{4}$ (3) $\frac{1}{2}$ (4) $\frac{3}{4}$

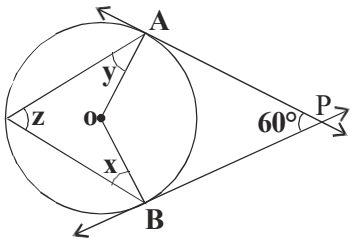
51. If α, β, γ are the zeroes of $x^3 - 7x + 2$; the value of $(\alpha+\beta)^{-1} + (\beta+\gamma)^{-1} + (\gamma+\alpha)^{-1}$ is

(1) 0 (2) $\frac{7}{2}$ (3) $-\frac{7}{2}$ (4) None of these

52. If 5 cos A–12 sin A = 0 then $\frac{\sec^2 A - 1}{2\tan A + \sec A}$ is $(0 \le A < 90°)$

(1) $\frac{144}{169}$ (2) $\frac{55}{144}$ (3) $\frac{25}{276}$ (4) $\frac{169}{144}$

53. In the given figure, AP and BP are tangents drawn from an external point P. If angle between tangents is 60°, then find ∠x + ∠y + ∠z.



(1) 60° (2) 120° (3) 100° (4) 150°

54. On rolling of 2 dice, the probability of getting sum less than 7 is

(1) $\frac{5}{12}$ (2) $\frac{2}{3}$ (3) $\frac{1}{3}$ (4) $\frac{1}{2}$

55. A floral design of a floor is made up of 16 tiles which are triangular in shape. The side of the triangle being 9 cm, 28 cm and 35 cm. The cost of polishing the tiles at 50 paisa/ sq cm is_____ $\left(\sqrt{6}=2.45\right)$

(1) Rs. 289 (2) Rs. 288 (3) Rs. 705.6 (4) Rs. 500

56. The radius of two spheres is in the ratio 4 : 5 then, the ratio of their volumes is

(1) 4:5 (2) 64:125 (3) 16:25 (4) 5:4

57. Factorize the following polynomial x + 8xy3.

(1) $x(1-2y)(1-2y+4y^2)$ (2) $x(1+2y)(1-2y+4y^2)$

(3) $x(1+2y)(1+2y+4y^2)$ (4) $x(1-2y)(1+2y+4y^2)$

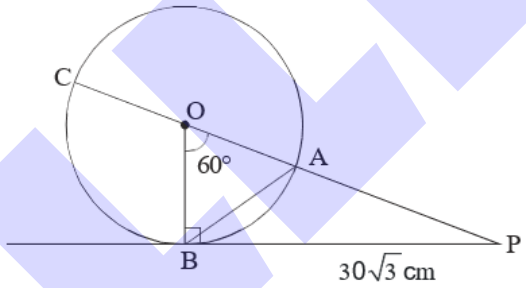
58. If $T_n=\sin^n\theta+\cos^n\theta$, then $\frac{T_3-T_5}{T_1}$ is equal to.

(1) $\frac{T_5-T_7}{T_3}$ (2) $\frac{T_3-T_5}{T_7}$ (3) $\frac{T_9-T_6}{T_4}$ (4) $\frac{T_6-T_9}{T_4}$

59. Mean weight of a group of 30 students is 62.5 kg. A student (weight 71.5 kg) left the group and a new student (weight 53.5 kg) joined the group. The new mean of the group will be

(1) 60 kg (2) 63.5 kg (3) 61.9 kg (4) 59.5 kg

60. In the given figure, PB is tangent to the circle, ∠AOB = 60°, PB = 30 $\sqrt{3}$ cm. Find length of AB.

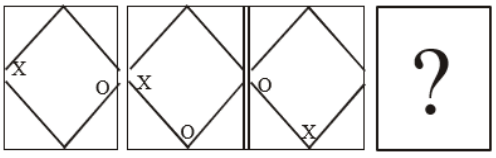


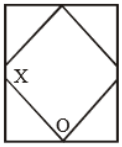
(1) 15 cm (2) 20 cm (3) 30 cm (4) 30 $\sqrt{3}$ cm

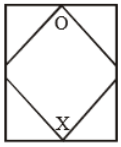
SECTION-E : MENTAL ABILITY

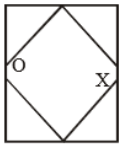
This section contains **20 Multiple Choice Questions.** Each question has four choices (1), (2), (3) and (4) out of which **ONLY ONE** is correct.

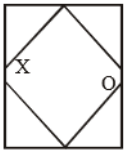
61. In the following question, a series is given with next figure missing. Choose the correct alternative from the given ones that will complete the series



(1) 

(2) 

(3) 

(4) 

62. At what time between 5 and 6 will the hands of the clock Coincide?

(1) $27\frac{3}{11}$ min past 5 (2) $34\frac{5}{11}$ min past 5

(3) $24\frac{2}{11}$ min past 5 (4) $25\frac{3}{11}$ min past 5

63. If we interchange – with + and 10 with 1000, then what will be the answer for the equation given below?
1000 – 100 + 100 –10

(1) 1009 (2) 999 (3) 1000 (4) 1100

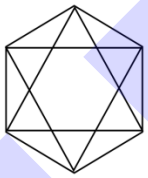
64. In a row of persons, position of A from left side of the row is 9th & position of M from right side of the row is 8th. If N is sitting just in middle of A& M and position of N from left side of the row is 15th. Find the total number of persons in the row?

(1) 27 (2) 29 (3) 28 (4) 30

65. The angle between the minute hand and the hour hand of a clock when the time is 8:30

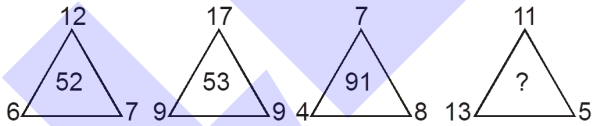
(1) 80 Degrees (2) 75 Degrees (3) 60 Degrees (4) 105 Degrees

66. Count the number of triangles in the given figure.



(1) 26 (2) 28 (3) 32 (4) None of these

67. What number should be replace the question mark ?



(1) 29 (2) 91 (3) 92 (4) 19

68. In the following question, statements are given followed by conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusion logically follows from the given statements disregarding commonly known facts.

Statements : Some roads are city.
All city are table.

Conclusions : 1. Some roads are table.
2. Some city are roads.

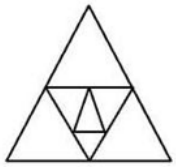
(1) Only 1 follows (2) Only 2 follows
(3) Neither 1 nor 2 follows (4) Both 1 and 2 follows

69. Read the following information carefully to answer the question that folllows. 'P – Q' means 'Q is father of P' 'P Q' means 'Q is brother of P' 'P + Q' means 'Q is wife of P' 'P ÷ Q' means 'Q is sister of P'
Which of the following means M is the grandfather of T ?

(1) T – C ÷ L + N*M (2) T – R ÷ Z + L *M

(3) T ÷ Z * L + F – M (4) None of these

70. Find the number of triangles from the given figure.



(1) 11 (2) 12 (3) 7 (4) 9

71. When Sanju saw Mahesh, he recalled, "He is the son of the father of my daughter." How is Mahesh related to Sanju ?

(1) Son (2) Brother (3) Uncle (4) Father

72. How many leap years are there from 1701 to 1900 (both are included) :

(1) 50 (2) 49 (3) 48 (4) None of these

73. Eight players are standing to play 'Standing Kho-Kho'. Geeta is at the third place to the right of Mahesh. Amar is at the first place to the right of Geeta. Asha is to the fourth place to the left of Geeta. Radha is at central place between Parag and Asha. Meena is at the central place between Geeta and Hemant. Then

Who is at the fifth place to the left of Geeta?

(1) Mahesh (2) Asha (3) Parag (4) Radha

74. Point B is 12 meters south of point A. Point C is 24 meters east of point B. Point D is 8 meters south of point C. Point D is 12 meters east of point E and point F is 8 meters north of point E. If a man is standing facing north at point C, then how far and in which direction is point F with respect to man?

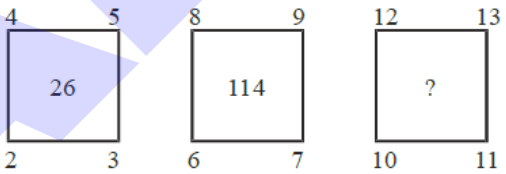
(1) 12 meters west (2) 24 meters east (3) 12 meters east (4) 24 meters west

75. Jetplanes P,Q,R and S started flight towards east. After flying 125 kms planes P and S flew towards right while planes Q and R flew towards left. After 115 km, planes Q and R flew towards their left while Planes P and S also turned towards their left. In which directions are the Jetplanes P,Q,S,R respectively flying now ?

(1) North, South, East, West (2) East, West, West, East

(3) East, West, East, West (4) South, North, North, South

76. Which number replace the question mark in the figure given below?



(1) 236 (2) 426 (3) 266 (4) 256

77. If C = 24 and X-RAY = 40, then WHAT = ?

(1) 56 (2) 57 (3) 58 (4) 55

78. Study the following information and answer the questions given below.

J, K, L, M, N, O and P are seven kids playing in the garden. They are wearing clothes of black, blue, white, green, pink, yellow and brown colours, out of these seven three are girls. No girl is wearing either black, yellow or brown, M's sister L is wearing pink, while he is wearing brown. J is wearing blue, while his sister K is not wearing green, N is wearing yellow, while his best friend P is a boy.

What colour are sister of J and M wearing?

(1) Pink and Green (2) Pink and Yellow (3) White and Green (4) White and Pink

79. In the questions below, a problem figure is given. The problem figure is hidden in one of the figures given as alternatives. Find the figure in which the problem figure is hidden.



(1) 
(2) 
(3) 
(4) 

80. There are two/three statements followed by four conclusions numbered 1, 2, 3 and 4. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Statements : Some cars are trains Some trains are cats.

Conclusions:
1. No car is cat.
2. Some cats are trains.
3. Some cars are cats.
4. All trains are cars.

(1) Either 1 or 2 and 3 follows
(2) Either 1 or 2 and 4 follows
(3) Either 1 or 3 follows and 2 follows
(4) None of these

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	4	3	3	2	4	2	3	2	1	1	4	1	2	1	1
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	3	2	2	2	1	1	1	2	1	4	4	1	1	2	3
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	3	2	1	1	1	3	3	1	3	4	2	1	4	4	2
Que.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	2	3	3	4	2	3	3	2	1	3	2	2	1	3	3
Que.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans.	2	1	1	3	2	3	3	4	4	4	1	3	4	1	3
Que.	76	77	78	79	80										
Ans.	3	1	4	3	3										