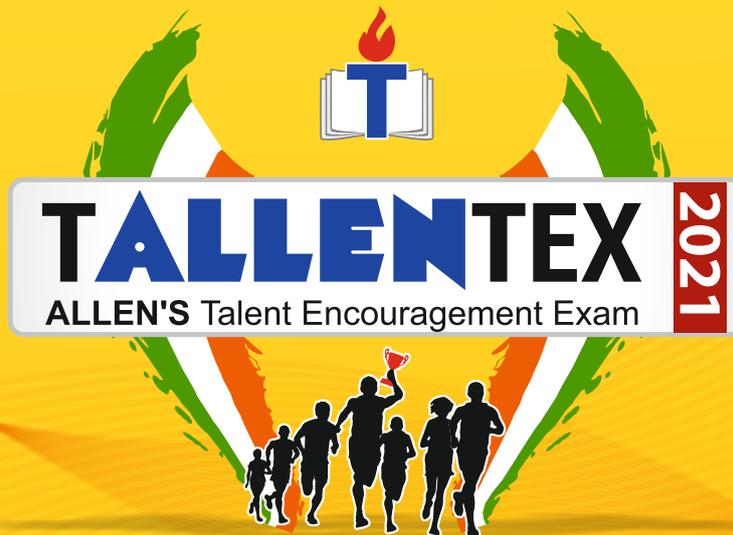


**GET RANK, RECOGNITION, CASH PRIZE
& CERTIFICATE AT NATIONAL LEVEL**

Don't Miss the Opportunity to Appear in



Students of Class V, VI, VII, VIII, IX & X

SAMPLE TEST PAPER FOR STAGE - I

CLASS VIII

"TALENTEX COORDINATION CELL"

ALLEN Career Institute, "Sankalp" CP-6, Indra Vihar, Kota (324005) RAJASTHAN
PHONE : 0744-2750202 | E-MAIL : contact@talentex.com | WEBSITE : www.talentex.com

A Specially Designed Initiative at National Level to
Encourage Young Talent by



ALLEN Corporate Office: "SANKALP" CP-6, Indra Vihar, Kota (Rajasthan) INDIA 324005
Call : +91-744-2757575 | Mail : info@allen.ac.in | Website : www.allen.ac.in

SECTION - A : PHYSICS

OBJECTIVE

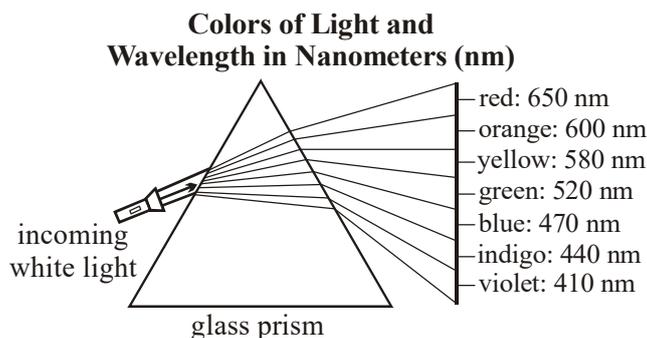
- Different types of thermometers are used for different purposes. The thermometer used for giving tempratures in weather reports is known as
 (1) Maximum -minimum Thermometer (2) Clinical Thermometer
 (3) Laboratory Thermometer (4) All of the above
- An aircraft is moving horizontally with a velocity of 600 m s^{-1} . If all the forces acting on it are balanced, then how many of the following statement are true?
 (1) It will fall down instantaneously (2) It will lose its velocity gradually
 (3) It still moves with the same velocity (4) It will float at same point in space.
- A vibrating object produces sound, in some cases vibrations have such an amplitude that we cannot see them. However, we can feel them. Find the correct match of musical instruments with vibrating part producing sound.

	Musical Instrument	Vibrating part producing sound
(1)	Tabla	Stretched string
(2)	Veena	Stretched membrane
(3)	Flute	Air-Column
(4)	Sitar	Air-Column

- Students in a science class conducted an investigation using a prism. The students reported the following observation.

White light goes into the prism on the left side and comes out on the right side of the prism as seven different colors.

The drawing shows their observations and the wavelength of each color of light.



Which statement best describes the behavior of the different colors of light exiting the prism after the white light shines on it?

- (1) The different colors of light emerge at the same angles.
- (2) The different colors of light reflect at different angles.
- (3) The different colors of light refract at the same angle.
- (4) The different colors of light refract at different angles.

5. If a particle is moving with an acceleration having constant magnitude, then which of the following can remain constant?

- (1) Both speed and velocity
- (2) Neither speed nor velocity
- (3) Only the velocity
- (4) Only the speed

6. $600 \mu\text{C}$ charge passes through a point in 1 min. Find magnitude of current -

- (1) $600 \mu\text{A}$
- (2) $1 \mu\text{A}$
- (3) $10 \mu\text{A}$
- (4) $60 \mu\text{A}$

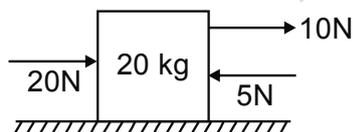
7. How many mirrors we require to make kaleidoscope ?

- (1) One plane mirror
- (2) Three plane mirrors
- (3) Two plane mirrors and one spherical mirror
- (4) Three spherical mirrors

8. When you touch an object it feels hot, which is true:

- (1) object is at higher temperature than you
- (2) object is at lower temperature than you
- (3) Heat flow from your hand to object
- (4) none of above

9. Find acceleration of object due to forces acting on the object according to diagram shown-



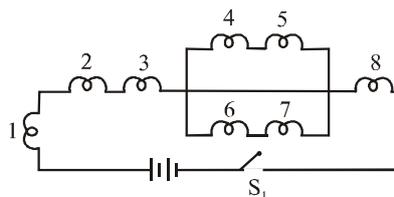
- (1) 2 m/s^2
- (2) 1 m/s^2
- (3) 1.25 m/s^2
- (4) 1.5 m/s^2

10. The intensity of sound wave gets reduced by 10% of initial level on passing through a slab. The total reduction in intensity on passing through three consecutive slabs is

- (1) 30%
- (2) 70%
- (3) 27.1%
- (4) 72.9%

INTEGER TYPE

11. An athlete completes half round of a circular track of radius R, then the displacement covered by the athlete is n R. What is the value of n ?
12. There are 8 bulbs arrange as shown in figure. When switch S, is closed how many bulbs will glow.

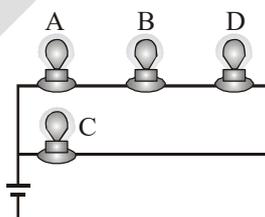


13. Teacher asked four students A,B,C,D and E to perform an activity to prove the law of reflection through plane mirror. They performed the experiment and recorded following observations.

Student	Observation
A	$\angle i = 35^\circ, \angle r = 42^\circ$
B	$\angle i = 30^\circ, \angle r = 30^\circ$
C	$\angle i = 45^\circ, \angle r = 60^\circ$
D	$\angle i = 30^\circ, \angle r = 20^\circ$
E	$\angle i = 90^\circ - 40^\circ, \angle r = 50^\circ$

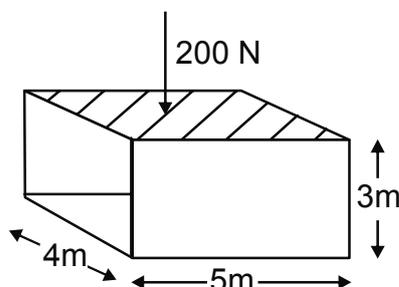
How many student (s) obtained the correct result?

14. Four identical light bulbs are shown in figure. How many bulb(s) glow, if the bulb A fails, so that it cannot conduct?

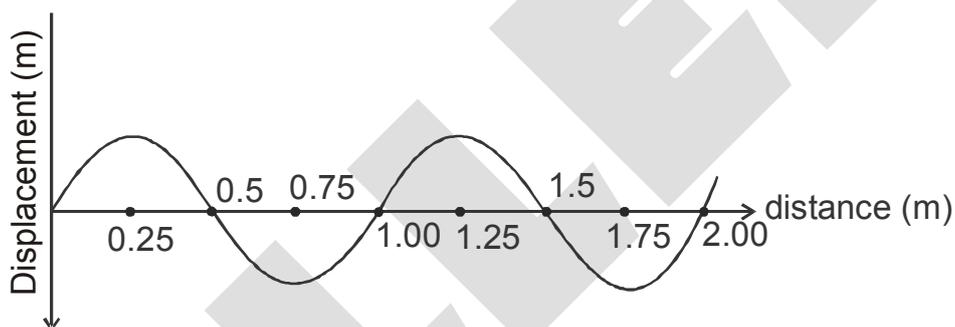


15. In a cricket match, a cricketer tries to play hook shot but the ball takes the edge of his bat and rises vertically upwards with an initial velocity of 30 m/s. The fielder settles himself under the ball and takes the catch comfortably after n seconds since the batsman had edged the ball. What would be the value of n ?
(Take $g = 10 \text{ m/s}^2$ and neglect any air resistance)

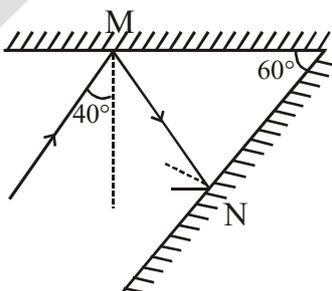
16. The range between lower fixed point and upper fixed point is divided into _____ parts on Fahrenheit scale.
17. In diagram shown find pressure exerted on the surface of cuboid in pascal.



18. Displacement-distance graph of any wave is shown in the figure. Its wavelength will be _____ m.



19. A ray strikes mirror M at an angle of incidence 40° and is reflects away. It will hit the mirror N at an angle of incidence _____ $^\circ$.



20. A force of 225 dynes is acting on rectangular area of side 6 cm & 5 cm, the pressure exerted by force in pascal is :

SECTION - B : CHEMISTRY**OBJECTIVE**

21. What happens when an acid is slowly added to water?
(1) It releases heat (2) It absorbs heat
(3) There is no heat change (4) It undergoes neutralization.
22. People obtain ground water through _____ and _____.
(1) Rain, well (2) handpump, Lake (3) River, Lake (4) Well, Tube well
23. How does colourless phenolphthalein change in the presence of bases?
(1) Remains colourless (2) Becomes pink
(3) Becomes red (4) Becomes green
24. X is the base which is soluble in water. Then the metal present in the base is
(1) aluminium (2) sodium (3) copper (4) iron
25. PET is a/an
(1) Amine (2) Ester (3) Amide (4) Carbide
26. The ash obtained on burning magnesium ribbon is dissolved in water. What is the nature of the prepared solution?
(1) Acidic (2) Alkaline (3) Amphoteric (4) Neutral
27. Which of the following metals do not react even with steam?
(1) Silver (2) Iron (3) Calcium (4) Sodium
28. Which of the following is a physical but irreversible change?
(1) Lighting of an electric bulb (2) Switching on a fan
(3) Crushing of a glass (4) melting of an ice cream
29. Water is colourless, odourless, tasteless liquid. It's boiling and freezing points are respectively :
(1) 0°C and 100°C (2) 373 K and 273 K (3) 37°F and 98.4° F (4) 273 K and 373 K
30. A chemical change may not involve :-
(1) Change in colour (2) Change in temperature
(3) Evolution of gas (4) Change in mass of substance

INTEGER TYPE

31. Methyl orange will show yellow colour in which of the following substance?
Milk of magnesia, Curd, Lime water, Lemonade, Orange juice
32. How many compounds will give hydroxide ion(OH^-) in aqueous solution.
 NaOH , HCl , MgCl_2 , H_3PO_4 , CH_3COOH , $\text{Ca}(\text{OH})_2$, KOH
33. According to the recommendation of United Nations, minimum 50 litres or three buckets of water per person should be provided. According to this How many of the following activities shows water shortage?
- (i) Taps running dry.
 - (ii) Long queues for getting water.
 - (iii) Marches and poster for demand of water.
 - (iv) A family gets three buckets of water per day for each.
 - (v) Millions of refugees seeking homes in a location accessible to water.
 - (vi) Hard manual labour takes time that they might otherwise spend pursuing education or earning additional income.
34. Find out the total no. of the natural fabric from the following fabrics-
- (i) Polythene (ii) PVC (iii) Nylon
 - (iv) Cotton (v) Rayon (vi) Jute
 - (vii) Polyester (viii) Acrylic
35. A man painted his main gate made up of Iron, to
- (i) prevent it from rusting (ii) Protect it from the sun
 - (iii) make it look beautiful (iv) make it dust-free.
- How many statement(s) are correct.
36. Find how many of the following materials are made of thermosetting plastics.
Cooker handles, Switchboards, Bucket, Mugs, Table, Chair, Polythene bag, Floor tiles, Vulcanized rubber, Plastic bottle, Medical equipment, Control knobs, Laminates for surfaces.
37. How many bases are strong in nature?
- (i) NaOH (ii) $\text{Ca}(\text{OH})_2$ (iii) $\text{Mg}(\text{OH})_2$
 - (iv) KOH (v) NH_4OH

38. Read the following properties of Rayon carefully-
- (i) It is a semisynthetic fibre.
 - (ii) It is prepared by chemical treatment of wood pulp(cellulose).
 - (iii) It resembles to wool so known as artificial wool.
 - (iv) It can absorb moisture.
 - (v) It is shiny and lustrous.
- How many of these properties are correctly represent Rayon.

39. How many of the following is/are solid form of water?
Rain, Dew, Snow, Hail, Frost

40. Metals react with acid and produce hydrogen gas which burns with 'POP' sound.

Na, Mg, Cu, K, Al, Pt, Au, Zn, Fe

How many metals, given in above box release hydrogen gas with reaction of sodium hydroxide which burns with 'POP' sound?

SECTION - C : BIOLOGY

OBJECTIVE

41. Read the following environmental conditions of tropical rain forests.

- (i) Hot and humid climate
- (ii) Equal lengths of day and night
- (iii) Insufficient rainfall
- (iv) Abundant light

From the above list, identify the conditions that are responsible for the presence of a large number of plants and animals in tropical rainforests.

- (1) (i) and (ii) (2) (i) and (iii) (3) (i), (ii) and (iv) (4) (ii) and (iv)

42. Mr. Kishori Lal a farmer of village of Jodhpur, Rajasthan is facing a big problem in his agricultural practices. He faces scarcity of water for his crops and he faces lots of economic loss due to this and he is very depressed about this. He is unaware about the modern methods of agricultural practices. Which of the following method you will advice to solve his problem ?

- (1) Sprinkler method of irrigation
- (2) Drip irrigation
- (3) surface irrigation
- (4) Moat and rahat system of irrigation

43. Match column-I with column-II and select the correct answer.

Column-I

- (A) Producer
- (B) Consumer
- (C) Decomposer
- (D) Source of energy(s) Bacteria, fungi

Column-II

- (p) Animals
 - (q) Sun
 - (r) Plants
- (1) A-q, B-r, C-p, D-s
 (2) A-r, B-p, C-s, D-q
 (3) A-s, B-q, C-r, D-p
 (4) A-p, B-s, C-q, D-r

44. The branches of tall trees look like a roof over the other plants in the forest. This is known as _____.

- (1) Crown (2) Canopy (3) Under storeys (4) None of these

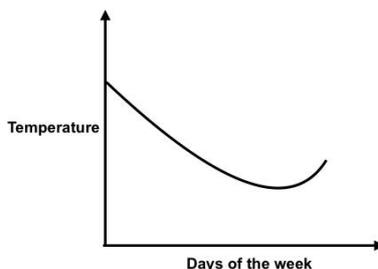
45. A food chain consists of -

- (1) only producers (2) only decomposers
 (3) producers and consumers (4) Consumers and decomposers only

46. Which of the following statement(s) about the weather report is/are incorrect?

Day	Max.	Min.	Forecast
Sun	36°C	24°C	Sunny and hot
Mon	34°C	22°C	Sunny
Tue	30°C	20°C	Dry and cloudy
Wed	32°C	21°C	Cloudy
Thu	27°C	16°C	Rain
Fri	30°C	20°C	Light showers
Sat	32°C	21°C	Cloudy

- (i) This report may belong to a week in the month of July.
- (ii) On tuesday, there was high humidity in the atmosphere.
- (iii) Due to rainfall on a day, temperature marked its lowest value of the week.
- (iv) The Maximum temperature graph could be represented as.



- (1) Only (ii) (2) (i) and (ii) (3) (ii) and (iv) (4) (iii) and (iv)

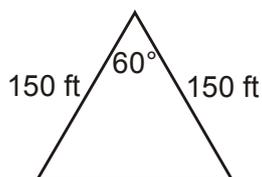
47. Who discovered living cell first-
- (1) Robert Brown (2) Robert Hooke
(3) A.V. Leeuwenhoek (4) J.E. Purkinje
48. Niharika was baking a cake for her mother's birthday. While baking she observed rising of the cake and after baking she inquisitively noticed holes in the cake, sponginess of the cake. She decided to ask her query from her science teacher. What do you think what is the reason behind the sponginess of cake?
- (1) It is due to convection heat of microwave oven
(2) It is due to milk and chocolate present in the cake
(3) It is due to carbondioxide produced by yeast used by niharika during cake baking
(4) It is due to methane gas produced by yeast used by niharika during cake baking
49. Which of the following tools would a farmer use to remove weeds from a field?
- (1) Hoe (2) Seed drill (3) Axe (4) Thresher
50. _____ is the portion on which grafting is done and it provides the roots.
- (1) Stock (2) Scion (3) Bud (4) Leaf

INTEGER TYPE

51. Select options which include living organisms that can increase fertility of soil–
- (i) Rhizobium (ii) Earthworm
(iii) Some blue green algae (iv) Lactobacillus
(v) Yeast (vi) Grasses
52. Following are the certain environmental factors. How many of these factors does not affect the climate of a place
- | |
|---|
| Latitude, Distance from the sea, Distance from the mountain, Wind ,
Longitude, Elevation, ocean currents |
|---|
53. In how many parts is the female reproductive organ of a flowering plant divided.
54. How many statement(s) is/are true with respect to the cell ?
- (i) Plant cell was the first cell to be discovered by scientists
(ii) The cell is the mass of protoplasm covered by cell membrane
(iii) The cell theory was given by Schleiden and Virchow
(iv) Schwann extended cell theory
(v) Every new cell arise from pre existing cell

55. How many of following statements are correct?
- (i) Pollen grains produce male gamete.
 - (ii) Male and female gametes fuse to form a zygote.
 - (iii) Female gametes produce in anther.
 - (iv) Mustard have unisexual flower.
 - (v) Fusion of gamete is called fertilization.
 - (vi) Pollen grains are light in weight.
56. Select how many of the following statement(s) regarding the plasma membrane is/are incorrect
- (i) Lipids are arranged in a bilayer.
 - (ii) Generally smaller molecules pass easily and readily than large molecules
 - (iii) The most accepted model of cell membrane is fluid mosaic Model.
 - (iv) Head of phospholipid is hydrophobic
57. How many of the following statements are correct
- (i) Cassia plant, Parthenium are the common weeds
 - (ii) 2,4D, MCPA, atrazine are the chemicals used for weeding
 - (iii) Mango leaves are used as biopesticides
 - (iv) Paddy, tomato, chilli are planted by the process transplantation
 - (v) Exposure to chemical fumes is known as fumigation
58. During the periodic test Saurabh was asked to write some advantages of bacteria. Find the how many incorrect statements are written by him-
- (i) They decrease soil fertility
 - (ii) They are used in dairy industry
 - (iii) They are useful in decomposition of dead organisms
 - (iv) They are useful in Sewage accumulation
 - (v) They are also the source of many antibiotics
 - (vi) They adversely affect genetic engineering
59. From the list given below, how many statement(s) is/are false:
- (i) Forests protect the soil from erosion.
 - (ii) Plants and animals in a forest are not dependent on one another.
 - (iii) Forests influence the climate and water cycle.
 - (iv) Soil helps forests to grow and regenerate.
 - (v) By harbouring a greater variety of plants, the forest provides greater opportunities for food and habitat for the herbivores.
 - (vi) Larger number of carnivores means increased availability of food for a variety of herbivores.
 - (vii) Decomposers help in maintaining the supply of nutrients to the growing plants in the forest.

64. What is the perimeter of given figure?



- (1) 600 feet (2) 450 feet (3) 300 feet (4) 150 feet

65. The lines of symmetry in a square are :

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

66. The quadrilateral formed by internal angle bisectors of a parallelogram is a :

- (1) Rectangle (2) Square (3) Rhombus (4) Trapezium

67. $4935 + 4935 \times 9 =$

- (1) 4940 (2) 49350 (3) 9870 (4) 5000

68. Mrs. Priya earns Rs. 1200 per month. She spends $\frac{7}{12}$ on household items and $\frac{1}{8}$ on rest of things. The amount she saves (in Rs.) is :

- (1) 350 (2) 850 (3) 700 (4) 150

69. Number of vertices a cone has:



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

70. If $a = 2$ and $b = 3$ then $(a+b)^{b-a} =$

- (1) 1 (2) 3 (3) 5 (4) 7

71. The integer which when multiplied by -1 and divided by -9 results into reciprocal of that integer is

- (1) ± 1 (2) ± 2 (3) ± 3 (4) ± 4

72. Simplify : $\frac{5}{12} + \frac{-5}{18} - \frac{7}{24}$

- (1) $\frac{11}{72}$ (2) $\frac{12}{72}$ (3) $\frac{-11}{72}$ (4) $\frac{1}{72}$

73. Which of the following is the smallest : $\frac{14}{25}$, $\frac{57}{100}$, $\frac{49}{86}$, $\frac{3}{5}$.

- (1) $\frac{14}{25}$ (2) $\frac{57}{100}$ (3) $\frac{49}{86}$ (4) $\frac{3}{5}$

74. If $\triangle ABC \cong \triangle RPQ$, then

- (1) $AB = PQ$ (2) $BC = QR$ (3) $AC = RQ$ (4) $AC = PQ$

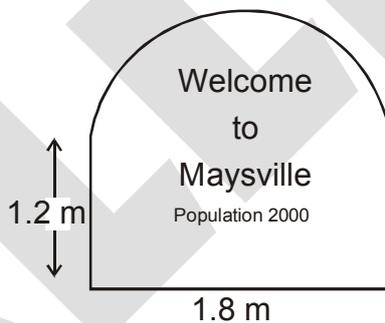
75. The least number of non collinear points required to determine a unique plane is:

- (1) One (2) Two (3) Three (4) Infinite

76. $10^{2y} = 25$, then 10^y equals to

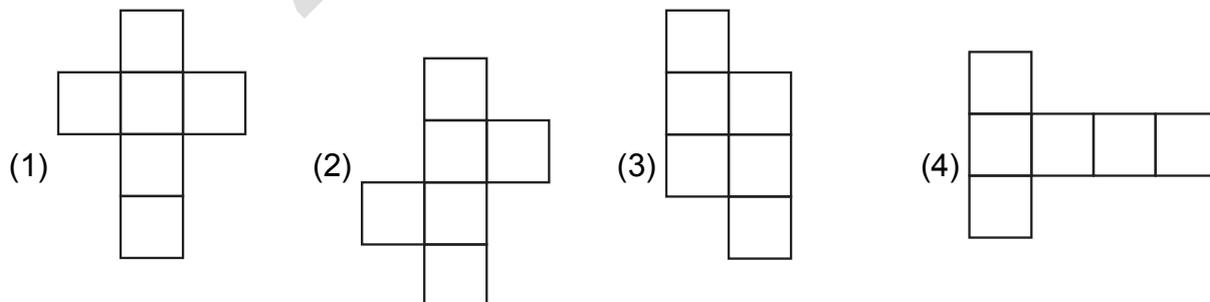
- (1) 5 (2) $\frac{1}{5}$ (3) $\frac{25}{2}$ (4) $\frac{5}{2}$

77. A sign to welcome visitors to a town is made of metal sheet in the shape shown. What area of metal was used for the sign?

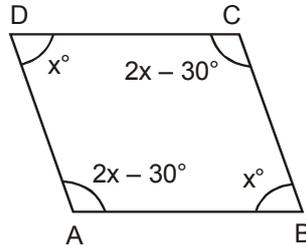


- (1) 4.40 m^2 (2) 4.71 m^2 (3) 2.16 m^2 (4) 3.43 m^2

78. Which of the following is not a net diagram of a cube



79. Find the measure of each angle of a parallelogram, if one of its angle is 30° less than twice the smallest angle.



- (1) $60^\circ, 100^\circ, 90^\circ, 20^\circ$
(3) $100^\circ, 90^\circ, 90^\circ, 80^\circ$

- (2) $80^\circ, 40^\circ, 120^\circ, 90^\circ$
(4) $70^\circ, 110^\circ, 70^\circ, 110^\circ$

80. $\sqrt{1\frac{11}{25}} =$

- (1) $\frac{1}{5}$ (2) $\frac{11}{5}$ (3) $\frac{6}{5}$ (4) $\frac{16}{5}$

81. Frame the equation "if 6 times a number 'x' added to 10 is 58"

- (1) $6x + 10 = 58$ (2) $10x + 6 = 58$ (3) $10x + 58 = 6$ (4) $x + 60 = 58$

82. Multiplicative inverse of $\frac{3}{5}$ is :

- (1) 1 (2) 0 (3) $\frac{-3}{5}$ (4) $\frac{5}{3}$

83. What is the largest four-digit number which is a perfect cube?

- (1) 8000 (2) 9261 (3) 9999 (4) 1000

84. Solve: $\frac{4x+17}{18} - \frac{13x-2}{17x-32} + \frac{x}{3} = \frac{7x}{12} - \frac{x+16}{36}$

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

85. 1 hectare = ?

- (1) 1000 m^2 (2) 100 m^2 (3) 10000 m^2 (4) 10 m^2

INTEGER TYPE

86. If the absolute value of x is 9.8. Then the number of integers lie between the possible value of x is _____ .
87. _____ is the least number which should be subtracted from 1029 to make it perfect square.
88. Find the product of smallest 2 digit integer and largest one digit integer
89. The number of sides of a regular polygon, whose each exterior angle has a measure of 45° , is _____
90. The fraction $\frac{B}{3x-1}$ is subtracted from the fraction $\frac{A}{2x+3}$. The resulting fraction is $\frac{-11}{(2x+3)(3x-1)}$. Then find $A+B$.
91. The rational number whose reciprocal is not a rational number is _____
92. If $72 \times K$ is a perfect cube, find the value of K .
93. Solve the equation $\frac{1}{10} \left[\frac{1}{9} \left\{ \frac{1}{5} \left(\frac{x+2}{3} + 8 \right) + 16 \right\} + 8 \right] = 1$
94. A thin wire is bent into the form of a circle of radius 7 cm. If a square is made out of the same wire, the side of the square would be (in cm) :
95. The value of $\frac{457}{4 + \frac{5}{10} + \frac{7}{100}}$ is _____
96. If $5^{x-1} + 5^{x+1} = 130$, then x is equal to _____.
97. $\sqrt{512} = \sqrt{2^x}$ and $\sqrt{x} = y$ where y is a positive rational number then $y =$ _____
98. What is the multiplicative inverse of $\frac{1}{3}$?

99. Given are the sides of triangles.

(i) 1.8 cm, 2.6 cm, 4.4 cm

(ii) 2 cm, 3 cm, 4 cm

(iii) 2.4 cm, 2.4 cm, 6.4 cm

(iv) 3.2 cm, 2.3 cm, 5.5 cm

How many triangles are possible with the given sides.

100. The solution of the equation $3x - 4 = 1 - 2x$ is _____.

101. Simplify : $[(0.6561)^{0.12} \times (0.6561)^{0.13}] \times 100$

102. There are 30 students in Mrs. Woodward's class and $\frac{1}{5}$ of the class has their own cellphone.

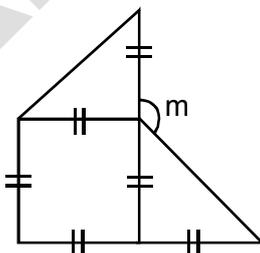
Of this group of students $\frac{1}{2}$ of them are allowed to use social media. How many of the students have a cellphone and can use social media?

103. Find the largest perfect cube number of 3 digit which is also a perfect square.

104. $\left(\frac{1}{3}\right)^{\text{rd}}$ of a number is 10 less than the original number, then the number is

105. The perimeter of a right angled triangle is 72 cm and its area is 216 cm^2 . Find the sum of the lengths of its perpendicular sides (in cm).

106. The figure given is made up of a square and two isosceles right triangles.



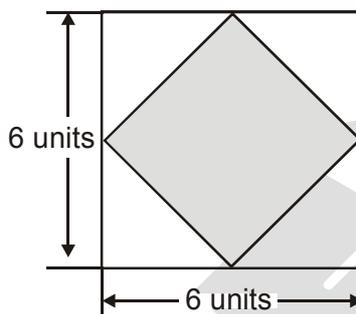
What is the measure of the angle marked 'm' ? (in degree)

107. In an examination there are 30 questions 1 mark is given for each correct answer and 0.25 is deducted for every incorrect answer. Ankur attempted all the questions and scored 13.75. How many incorrect answers did he give?

108. The cube root of 8^2 is

109. Solve for a : $\frac{5a+1}{12} + \frac{4a-5}{4} = \frac{a+5}{6} + \frac{5a-1}{8}$

110. Next weekend, Joseph and his family plan to go for boating at Lake Sidney Lanier. Before they can go, Joseph and his sister must sew several signal flags for the boat. One of the flags is a signal that means that the boat is disabled. The flag is a white square with a tilted grey square in the center. Each corner of the grey square touches the center of an edge of the flag. If each side of the flag is 6 units long, what is the area of the grey square? (in sq. units)



**PART-2 : IQ
OBJECTIVE**

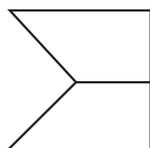
111. Introducing a girl, Ankita said, "She is the daughter of my maternal grandfather's son". How is that girl related to Ankita?

(1) Maternal Aunt (2) Niece (3) Cousin (4) Sister

112. Which Venn diagrams correctly represents Uttar Pradesh, Agra, Tajmahal



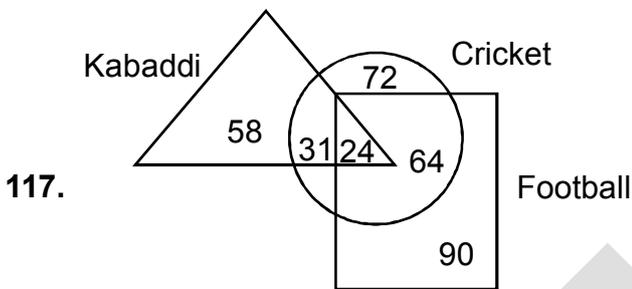
113. The following figure is embedded in one of the four answer figures. Which figure contains the problem figure?



114. 18, 30, 55, 84,
 (1) 107 (2) 143 (3) 117 (4) 99

115. Archana is fourteenth from the right end in a row of 40 girls. What is her position from the left end?
 (1) 27th (2) 26th (3) 25th (4) 24th

116. If Q means 'add to', J means 'multiply by', T means 'subtract from' and K means 'divide by' then $30 K 2 Q 3 J 6 T 5 = ?$
 (1) 18 (2) 28 (3) 31 (4) 103



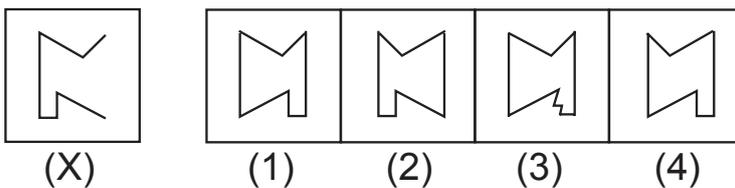
How many players play only Kabaddi and Cricket?

(1) 54 (2) 72 (3) 58 (4) 31

118. Amit is the father-in-law of Tony. Tony is the wife of Rajesh. How is Rajesh's brother related to Amit?
 (1) Brother (2) Father (3) Son (4) Father-in-law

119. 1, 3, 7, 13, 21, , 43, 57
 (1) 31 (2) 29 (3) 30 (4) 32

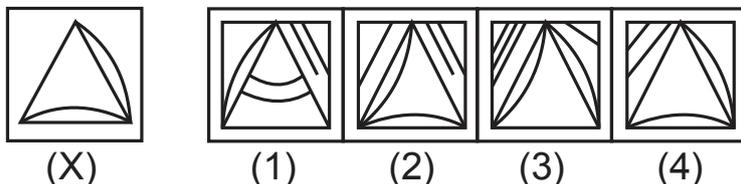
120. Choose the correct mirror image of the given figure (X) from amongst the four alternatives.



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

121. In each of the following questions, you are given a figure (X) followed by four alternative figures (1), (2), (3) and (4) such that figure (X) is embedded in one of them. Trace out the alternative figure which contains fig. (X) as its part.

Find out the alternative figure which contains figure (X) as its part.



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

122. Ayu ranks seventh from the top and twenty sixth from the bottom in a class. How many student are there in the class?

- (1) 31 (2) 32 (3) 33 (4) 34

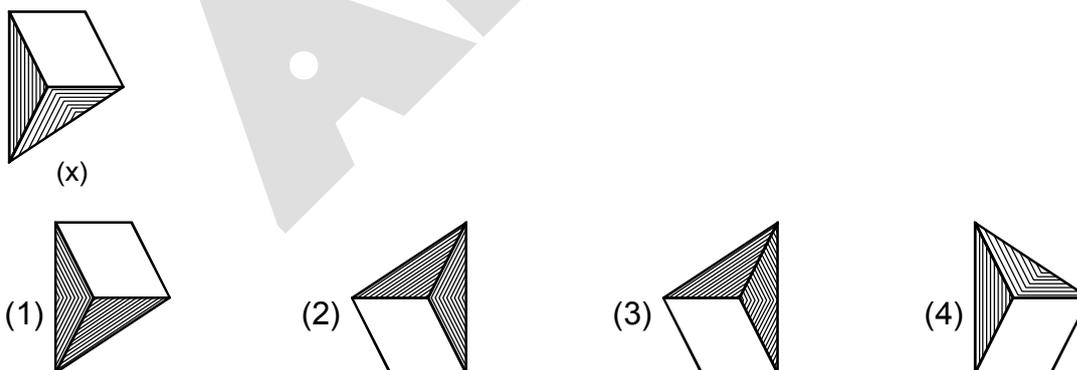
123. Some Indian players are standing in slip. Sachin is standing 6th from Dhoni who is at right end and 3rd from Ganguly who is at left end. How many players are there?

- (1) 9 (2) 10 (3) 8 (4) 11

124. Venna Diagram correctly represent relation.
Bus, Car, Vehicle ?



125. Which is the correct water image from the given four images?



126. Choose the alternative which is closely resembles the mirror image of the given combination.

BRISK

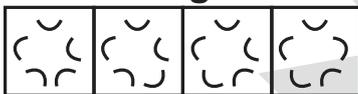
- (1) **KSIRB** (2) **KIRB** (3) **KSIRB** (4) **KSIRB**

127. If \times stands for 'addition', \div stands for 'subtraction', $+$ stands for 'multiplication' and $-$ stands for 'division', then $20 \times 8 \div 8 - 4 + 2 = ?$
 (1) 80 (2) 25 (3) 24 (4) 5
128. Posting a photograph on Instagram, Deep said "her mother's brother is the only son of my father's father". How photograph girl's mother related to Deep?
 (1) Aunt (2) Grandmother (3) Mother (4) Sister
129. Select a figure from amongst the Answer Figures which will continue the same series as established by the problem figures.

Problem Figures:



Answer Figures:



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

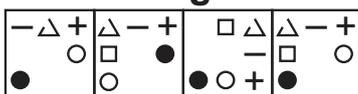
130. Shyam's father has a son Ram who has an aunt Sunita who has a husband Ramesh whose father-in law is Mahesh. What is the relation of Mahesh to Shyam?
 (1) Nephew (2) Grandfather (3) Son (4) Uncle
131. In a class Raj ranks 7th from the top Ram ranks 7th ahead of Pappu and ranks 3rd behind Raj, Suman who is 4th from the bottom, ranks 32nd behind Pappu. How many students are there in the class?
 (1) 52 (2) 49 (3) 50 (4) 51
132. Find missing terms.
 110, 156, 210, 272,
 (1) 442 (2) 364 (3) 342 (4) 382

133. Select a figure from amongst the Answer Figures which will continue the same series as established by the problem figures.

Problem Figures:



Answer Figures:



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

134. Select the correct set of symbols which will fit in the given equation?

$$5 \ 0 \ 3 \ 5 = 20$$

(1) \times, \times, \times

(2) $-, +, \times$

(3) $\times, +, \times$

(4) $+, -, \times$

135. 730, 511, 344, 215,

(1) 125

(2) 25

(3) 36

(4) 126

INTEGER

136. If H = 8 and HOD = 27, then HEAD = ?

137. Point J is 12m east of point K. Point H is 5m west of point C. Point L is 10m east of Point F. Point F is 16m south of point K. Point D is 8m north of point L. Point E is 3m east of point D. Point C is 10m north of point E. What is the shortest distance between H and D (in m)?

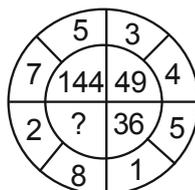
138. When the given figure is folded to form a cube then which face is opposite to the face with 2?



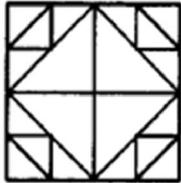
139. Find the missing character from the given figure :

20160	4
?	4
480	8
96	24

140. Find the missing character from the given figure :



141. Find the number of squares plus rectangles in the given figure



142. Charlie walks 24 miles in the direction of west then he turns to his right and walks further 7 miles, how far is he exactly from the starting point (in miles) ?

143. In a queue I am the last person while my friend is seventh from the front. If the person exactly between me and my friend is on the 23rd position from the front, what is my position in the queue?

144. Find the next number in the given series.

125, 80, 45, 20, ?

145. All the faces of a cube are painted with blue colour. Then it is cut into 125 small equal cubes. How many small cubes will be formed having only one face coloured ?

146. Identify the number at the bottom when the top is 5 in a dice ?

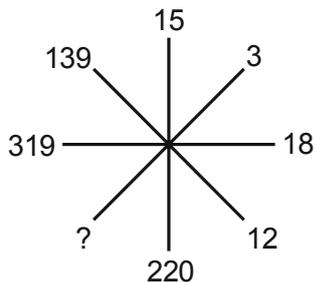


147. If REASON = 60, TITLE = 50, then EMPHASIS = ?

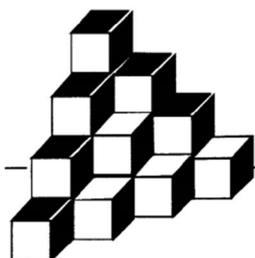
148. Monika starts walking from point A. After walking 4 km in east direction she reached to point B. Then she turned to her left and walk 3 km to reach point C. From there she turned back to A via shortest route. From there she starts walking in south direction and after walking 5 km she reached to point D, then she turned left and walks 8km to reach point E. From there she turns left and walks equal distance of distance from point A to point D and reach point F. Finally she turned right and reaches to point G after walking 4km.

What will be the shortest distance of point A to point C (in km)?

149.



150. Find the number of cubes in the given figure



151. Find the next number in the given series.

23, 29, 31, ?, 41, 43, 47

152. Neha travelled from a point X straight to point Y at a distance of 50 meters. She turned to her right and walks 50 meter more, then again turned right and walks 60 meter. Finally, she turned to right and walks 50 meters. How far is she from the starting point (in m)?

153. Dave walks 12 miles in the direction of west then he turns to his right and walks further 5 miles, how far is he exactly from the starting point (in miles)?

154. The following question are based on the information given below:

1 All the faces of cubes are painted with red colour.

2 The cubes is cut into 64 equal small cubes.

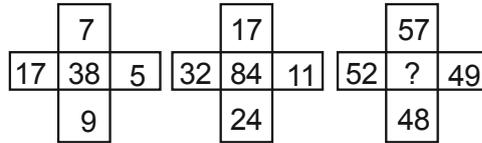
How many small cubes are there whose three faces are coloured ?

155. In a certain code, Ride=3218, Talk = 7564, Dirt=4213 and Like=8562. Which digit represents a=?

156. Find the next number in the given series.

325, 259, 204, 160, 127, 105, ____

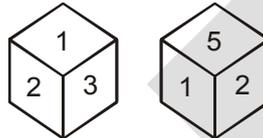
157. Find the missing character from the given figure :



158. Find the number of triangles in the given figure.



159. The figure given below show the two different position of a dice. Which number will appear opposite to number 5?



160. If RED is coded as 2076, then how would GAG be coded ?

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	1	1	3	4	4	3	2	1	3	3
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	2	4	2	1	6	180	10	1	20	0.75
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	1	4	2	2	2	2	1	3	2	4
Que.	31	32	33	34	35	36	37	38	39	40
Ans.	2	3	4	2	2	6	2	4	3	2
Que.	41	42	43	44	45	46	47	48	49	50
Ans.	3	2	2	1	3	3	3	3	1	1
Que.	51	52	53	54	55	56	57	58	59	60
Ans.	3	1	3	3	4	1	3	3	2	3
Que.	61	62	63	64	65	66	67	68	69	70
Ans.	3	3	2	2	3	1	2	1	1	3
Que.	71	72	73	74	75	76	77	78	79	80
Ans.	3	3	1	3	3	1	4	3	4	3
Que.	81	82	83	84	85	86	87	88	89	90
Ans.	1	4	2	4	3	19	5	-891	8	5
Que.	91	92	93	94	95	96	97	98	99	100
Ans.	0	3	4	11	100	2	3	3	1	1
Que.	101	102	103	104	105	106	107	108	109	110
Ans.	90	3	729	15	42	135	13	4	3	18
Que.	111	112	113	114	115	116	117	118	119	120
Ans.	3	2	2	2	1	2	4	3	1	4
Que.	121	122	123	124	125	126	127	128	129	130
Ans.	4	2	2	3	4	4	3	1	1	2
Que.	131	132	133	134	135	136	137	138	139	140
Ans.	1	3	4	2	4	18	10	1	2880	100
Que.	141	142	143	144	145	146	147	148	149	150
Ans.	14	25	39	5	54	2	80	5	4	20
Que.	151	152	153	154	155	156	157	158	159	160
Ans.	37	10	13	8	7	94	206	17	3	939