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TALLENTEX 2022

ALLEN'S Talent Encouragement Exam

Students of Class V to X

SAMPLE TEST PAPER

FOR STAGE - I

CLASS VII

"TALLENTEX COORDINATION CELL"

ALLEN Career Institute, "Sankalp" CP-6, Indra Vihar, Kota (324005) RAJASTHAN

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

ALLEN CAREER INSTITUTE KOTA (RAJASTHAN)

path to success

PART - I
PHYSICS
(OBJECTIVE)

1. The figure given below represents.

(1) switch in ON position (2) switch in OFF position
(3) cell (4) battery

2. Which of the following is correct about cyclone?
(i) A cyclone is created by a very high pressure system
(ii) A cyclone is created by a very low pressure system
(iii) The eye of a cyclone is a calm area
(1) Only (i) (2) Only (ii) (3) Both (ii) & (iii) (4) Both (i) & (ii)

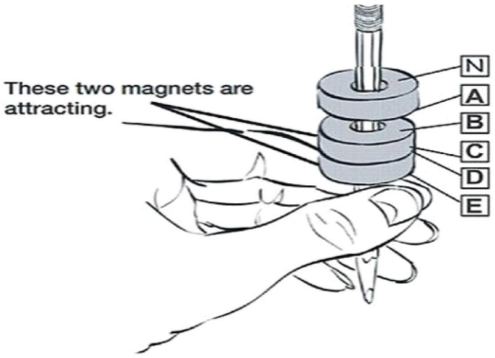
3. The shadow is the dark outline of
(1) An Object (2) A Source of light (3) Virtual image (4) An Image

4. Which of the following is not true regarding thermal energy ?
(1) Thermal energy may be transferred by direct contact.
(2) Thermal energy is only transferred by the movement of forced particles.
(3) Thermal energy may be transferred by the movement of heated particles.
(4) Thermal energy may be transferred by electromagnetic waves.

5. Shadows
(1) are always smaller than the opaque body
(2) are always bigger than the opaque body
(3) remains the same size as opaque body
(4) can be smaller or bigger than the opaque body.

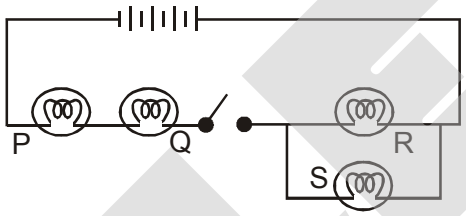
6. Samuel Morse, the inventor of the telegraph, had a problem. His telegraph's signal was too weak. He needed a stronger electromagnet. What is one way that he might have increased the strength of the electromagnet for his telegraph?
(1) by increasing the current through coil of magnet
(2) by decreasing the current through coil of magnet
(3) by using plastic core inside coil
(4) by decreasing number of turns in coil

7. Look at the picture shown below. The top two magnets are pushing apart and the bottom two magnets are stuck together. Choose correct labeling for the poles of each magnet. (Here S and N denotes south & north pole respectively)



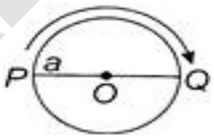
(1) A-N, B-S, C-N, D-S, E-N
(2) A-S, B-S, C-N, D-S, E-N
(3) A-S, B-N, C-S, D-S, E-N
(4) A-S, B-S, C-N, D-N, E-S

8. Observe the circuits shown below ..



Identify the bulbs that glow when switch is in the 'OFF' position ?
(1) P and Q only
(2) Only S
(3) R and S only
(4) None of the bulbs glow

9. A cyclist moves from a certain point P and goes round a circle of radius 'a' and reaches Q, exactly at the other side of the point P as shown in figure. The displacement would be



(1) πa
(2) $2\pi a$
(3) $2a$
(4) $2\pi/a$

10. We generally wear light coloured clothes in summer because
(1) they absorb more heat
(2) they emit more heat
(3) they absorb less heat
(4) they appear bright

(INTEGER)

11. If current of 10 A flows in 2 sec through a conductor then charge flowing is _____coulomb.

12. A car is traveling down a highway at a speed of 100 km/h. If the distance travelled by the car in 24 minutes is (q × 10)km,then what is the value of q.

13. The amount of electric charge flown through a given cross section of conductor is given as,

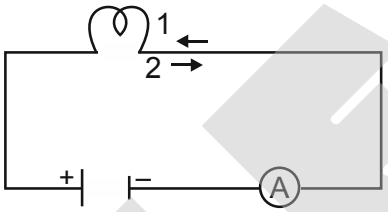
$Q = (I.t)$, where I = electric current, and t = time

if $Q = 3.2 \times 10^{-19}$ coulomb and I = 1.6 Ampere, then find the value of 'n', if time (t) = $(n \times 10^{-19})$ sec.

14. A train is traveling on a straight section of track at constant speed. In 60 seconds it covers a distance of 1800 meters. What is the value of P, if this distance covered in km is $\frac{18 \times P}{1000}$ Km.

15. Oxygen has a boiling point of 90.19 K. Find the value of n if the temperature in Fahrenheit (upto the one decimal digit) is (–299.3+n) °F.

16. In a given figure a circuit is shown. Flow of electron is denoted by number _____.

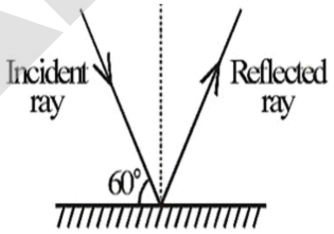


17. How many statements are correct regarding tornado ?

(i) Tornadoes can attain a speed of 300 km/hr.

(ii) It is a violently rotating dark funnel shaped cloud that reached from sky towards ground.

18. If angle of reflection in following figure is (R × 10), what is the value of R ?



19. Pure iron melts at 1,535° C. Find the value of n if the temperature in Fahrenheit is (n × 2795) °F

20. How many letters of English alphabet will not show lateral inversion in following letters?

O, U,N, Z, X, I, E, A, H.

CHEMISTRY

(OBJECTIVE)

21. Reeling of silk is

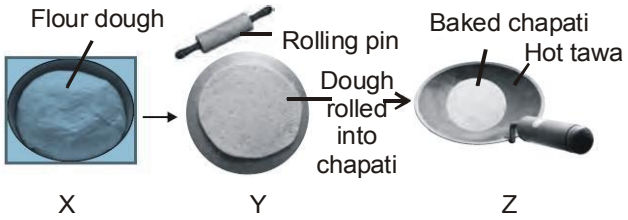
(1) a process of rearing silkworm.

(2) formation of cocoon.

(3) weaving of silk cloth.

(4) the process of taking silk threads from cocoon.

22.



Which statement do you think is correct regarding the given changes?

(1) From X to Y the change is reversible while Y to Z the change is irreversible.

(2) From X to Y the change is irreversible while Y to Z the change is reversible.

(3) From X to Y and Y to Z the changes are irreversible.

(4) From X to Y and Y to Z the changes are reversible.

23. Sodium bicarbonate is commonly called

(1) Lime water (2) Slaked lime

(3) Washing soda (4) Baking soda

24. Which of the following terms is not associated with water cycle?

(1) Evaporation (2) Transpiration

(3) Boiling (4) Precipitation

25. Read the following statements carefully and choose the incorrect statements.

(1) China rose is a natural indicator, its colour changes to dark pink in basic solution.

(2) Turmeric changes to reddish brown when rubbed with a soap.

(3) Secretion of hydrochloric acid takes place from gastric lining.

(4) Milk of magnesia is basic in nature.

26. Which among the following is a chemical change?

(1) Folding of clothes (2) Drying of clothes

(3) Burning of clothes (4) Stitching of clothes

27. Rohit took three fabrics P, Q and R and pulled out few fibres from each of them. He then burnt them one by one. His result is shown in the given table.

Fibre	Burning Characteristics
P	Smell of burnt paper, does not shrink away
Q	Smell of burning hair, curls away from flame
R	Melts with flame

Identify P, Q and R.

(1) P-Polyester, Q-Cotton, R-Silk

(2) P-Acrylic, Q-Wool, R-Cotton

(3) P-Cotton, Q-Wool, R-Nylon

(4) P-Cotton, Q-Acrylic, R-Wool

28. The following picture depicts the traditional way of collecting water. The name of this method to collect water is :

(1) Drip irrigation

(2) Evaporation

(3) Water cycle

(4) Rainwater harvesting

29. Which of the following are endothermic changes?

(1) Condensation and melting

(2) Condensation and freezing

(3) Evaporation and melting

(4) Evaporation and freezing

30. Which of the following completes the given sequence : Shearing $\rightarrow$? $\rightarrow$ Sorting.

(1) Weaving

(2) Knitting

(3) Scouring

(4) Ginning

(INTEGER)

31. HCl, H_2SO_4, H_2CO_3 & CH_3COOH,

How many of the above acids are strong acids?

32. How many of the following statements are correct?

(i) Formation of clouds is an example of condensation.

(ii) Evaporation takes place faster on cooling.

(iii) When it does not rain for a long time groundwater level decreases.

(iv) Dew drops on leaves of grass on winter mornings is the result of condensation.

(v) Plants loses water into air by the process called transpiration.

(vi) Infiltration is the process of rain water seeping into the earth.

(vii) Wet clothes dry up when kept in air as the water condenses.

33. How many of the following statements is/are true ?

(i) Heating an iron rod to obtain a high temperature is an irreversible change.

(ii) Cooling of your cup of coffee is reversible.

(iii) Breaking sugar crystals to sugar powder is physical change.

(iv) Blowing air in a balloon is irreversible.

(v) Burning of LPG gas to cook food is reversible.

(vi) Burning of crackers in diwali is irreversible.

34. Read the following statements carefully and select the number of incorrect statements given below.

(i) When a piece of iron is stroked with permanent magnet, it gets magnetised. However, if magnetised iron is hammered, it loses its magnetism. It is an example of a chemical change.

(ii) 10 gm of solid wax on melting will form 10 gm of molten wax.

(iii) If a salt solution is prepared by dissolving 20 gm of salt in water, then on evaporation of water completely, 20 gm of salt is left behind.

(iv) Sugar on strong heating forms new substances, i.e., carbon and steam. It is an example of physical change.

(v) The carbon dioxide and steam formed during the burning of candle, can be converted into wax by altering the conditions of experiment.

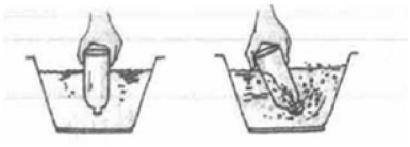
(vi) Iron rusts in presence of air and moisture. It is a chemical change.

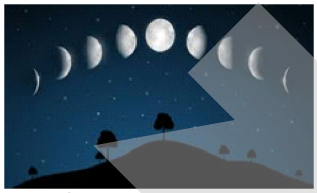
35. Study the pictures given below :

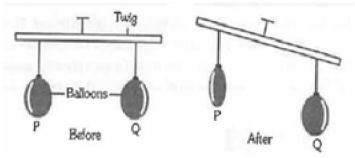
Why do these animals have a thick coat of hair on their body? Find out the total number of correct reasons.

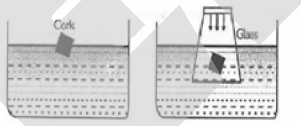
(i) Hair trap a lot of air
(ii) They act as a protective layer
(iii) Hair keeps these animals warm
(iv) They help to control body temperature
(v) Hair cannot trap air.
(vi) Hair cannot act as insulating covering.

36. Observe the pictures given below carefully and identify how many of them shows properties of air.

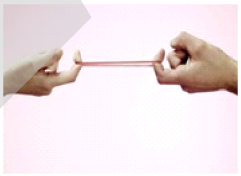
(i) 

(ii) 

(iii) 

(iv) 

(v) 

(vi) 

37. Total number of correct matches are

(i) Melting of ice - Irreversible change
(ii) Change of seasons - Slow change
(iii) Inflating a balloon - Physical change
(iv) Bursting of crackers - Fast change
(v) Digestion of food - Slow change
(vi) Sudden combustion of fuel due to short circuit - Desirable change
(vii) Earthquake and floods - Natural change
(viii) Strong heating of knife on burner due to which it turns red- Chemical change

38. Few jumbled words are given below. Unscramble them and identify how many of them are related to silk and silkworm.

TURECULRISE , GNIROUCS , NGRIHAES, RINGLEE, RRYLUMBE.

39. How many of the following statements is/are true ?

(i) Some alkalis are acids.

(ii) Acids always turn blue litmus red.

(iii) There is no effect of indicators in a basic solution generally.

(iv) Salts can be formed by the reaction between acid and bases.

(v) Mixture of hydrochloric acid and water, turns blue litmus red.

(vi) Decaying of tooth is caused by excessive acid production.

40. Out of the following find the number of terms is/are related to wool production.

Carding, Scouring, Reeling, Peeling, Rearing and shearing, Mulberry tree, Moriculture, Dyeing, Burrs, Sorting, Anthrax, Pupa, Chrysalis.

BIOLOGY

(OBJECTIVE)

41. Which instrument is used to listen to heart beat-

(1) Sphygmomanometer (2) Stethoscope

(3) Electrocardiograph (4) Haemometer

42. Which one is a useless garbage-

(1) Waste food (2) Newspaper (3) Dry leaves (4) Broken toys

43. The removal of metabolic waste in plants and animals is called ___ and ___ respectively.

(1) Excretion and secretion (2) Secretion and Tropism

(3) Secretion and excretion (4) Transpiration and excretion

44. Raveena fell down while playing a game. Her knee got injured. Blood was coming out from the cut then she observed that bleeding had stopped after some time. Geeta (Raveena's friend) noticed the incident and got curious. She asked her teacher, how was it possible? According to your view what may be the actual reason?

(1) The blood clot is formed by RBCs

(2) The blood clot is formed by WBCs

(3) The blood clot is formed by Platelets

(4) The blood clot is formed by WBCs and spleen

45. Cud is the name given to the food of ruminant which is

(1) Swallowed and undigested

(2) Swallowed and partially digested

(3) Properly chewed and partially digested

(4) Properly chewed and completely digested

46. Miss Anita performed an activity during her class in class VII, she took a test tube and pour a transparent liquid in it. She exhaled air through straw in the test tube. All the students were surprised to see white colour appeared in the test tube. According to you, which liquid she had poured in the test tube?

(1) Fresh Water
(2) Salty Water
(3) Lime Water
(4) Hard Water

47. The pulmounary artery carries -

(1) deoxygenated blood
(2) oxygenated blood
(3) blood to kidney
(4) blood from the kidney

48. The term that is used for the mode of nutrition in yeast, mushroom and bread mould is

(1) Autotrophic
(2) Insectivorous
(3) Saprotrophic
(4) Parasitic

49. The organisms that are used for vermicomposting are -

(1) Red worms
(2) Round worms
(3) Flat worms
(4) Silk worm

50. Identify A in given image-

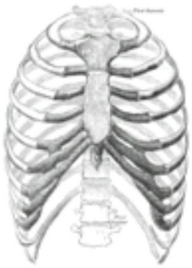
(1) Freely movable joint
(2) Ball & Socket joint
(3) Fixed joint
(4) Slightly movable joint

(INTEGER)

51. How many of the given terms are incorrectly matched?

(i) Earthworm	(a) Stoma
(ii) Fish	(b) Gills
(iii) Human	(c) Lungs
(iv) Plant	(d) skin
(v) Insects	(e) spiracles
(vi) Adult frog	(f) gills

52. How many statements are correct regarding this image –



1. This is rib cage
2. There are 12 pairs of ribs
3. Ribs join the chest bone and the backbone
4. Rib cage protects some internal organs
5. Ribs are curved bones
6. Ribs helps in breathing

53. Which of these organism have lungs as respiratory organs ?

(i) Rabbits (ii) Monkey (iii) Starfish (iv) Frog
(v) Earthworm (vi) Snake (vii) Leech

54. Which of the following is/are incorrectly matched?

(i) Artery - Carries blood away from heart
(ii) Leucocyctes - Defence and immunity
(iii) pulmonary vein - Carries impure blood
(iv) Platelets - Transportation of CO_2.
(v) Xylem - Food material
(vi) RBCs - Transportation of O_2 and CO_2.

55. Find out how many are the correct match

(i) Nutrition : Process of obtaining and utilising food.
(ii) Parasite : Association of two different organisms in which both are benefitted.
(iii) Saprophyte : Organism deriving its food from dead and decaying plants and animals.
(iv) Symbiosis : Organism that derives its food from the living body of another organism.
(v) Autotrophic Nutrition : It is a mode of nutrition in which organisms are able to build up their own organic food from inorganic raw materials with the help of energy.
(vi) Digestion : Break down of complex food in to simple food by digestive enzyme.

56. Read the following statements

(i) A low lying area used to store city garbage is called trash bin
(ii) Vegetable peels is a good source for making compost
(iii) The rotting and conversion of some materials into manure is called fertilizer
(iv) Green garbage bin is used for collecting plant waste
(v) Red worms grind their food with the help of teeth
(vi) Glass bottle is biodegradable

How many statements are correct?

57. Read the following statements

(i) Earthworm can be used for making manure

(ii) Leaves falling from trees should be disposed by making compost by vermicomposting

(iii) Aluminium foil is a non biodegradable waste

(iv) 3R means Rain, Reuse and Recycle

(v) Rotting is carried out by Ants

(vi) Plastic give out harmful gases on burning

How many statements are correct?

58. Find out how many of the following animals are correctly matched to their locomotory organs-

(i) Snake	(a) Muscles
(ii) Humans	(b) forelimbs
(iii) Frog	(c) Skin
(iv) Birds	(d) Feathers
(v) Fish	(e) Fins
(vi) Cockroach	(f) legs, wings

59. Identify the true statements from the followings -

(i) Egg laying animals are called oviparous.

(ii) Insects and amphibians are warm blooded.

(iii) Blue whale is the largest mammal in the world

(iv) Latex is secreted by rubber plants.

(v) Virus is the connecting link between living and non living things.

(vi) Frog is an amphibian.

60.

Type of joint	Location in body
(i) Fixed	Skull
(ii) Slightly movable	Back bone
(iii) Pivot	Hip and shoulder
(iv) Hinge	Neck
(v) Ball and socket	Elbow, knee
(vi) Gliding joint	Ankle and wrist

How many of the above are mismatched?

MATHEMATICS

(OBJECTIVE)

61. Following is the list of marks obtained by 25 students in a maths test where the full marks was 100 and passing mark was 45 :

89, 60, 51, 42, 35, 98, 73, 99, 81

40, 25, 17, 54, 40, 100, 59, 90, 72

25, 41, 16, 91, 86, 77, 61

Find the total number of students that failed in the test .

(1) 6 (2) 7 (3) 8 (4) 9

62. If I take two-fifth of a number and add 7 to it, I get 15. Then the number is

(1) 10 (2) 15 (3) 20 (4) 25

63. Find the length (in m) of a rectangle given that its perimeter is 880m and breadth is 88m.

(1) 352 (2) 252 (3) 152 (4) 452

64. $2\times(3+5)=2\times3+2\times5$ is an example of ?

(1) Distributive property (2) Commutative property

(3) Closure property (4) Associative property

65. If (5x – 5)4 = 80, then x = ?

(1) 2 (2) 3 (3) 5 (4) 6

66. Find the measure of an angle, if six times its complement is 12º less than twice its supplement.

(1) 48º (2) 30º (3) 87º (4) 49º

67. Predecessor of successor of –12 is

(1) –12 (2) 11 (3) –11 (4) –13

68. A man had a bank balance of Rs. x lakhs. He gives away $\frac{1}{5}$th of it to his wife, $\frac{1}{3}$rd of it to his son and the rest to charity. If the total amount donated to charity was Rs. 7 lakh; then find the value of x :-

(1) 15 Lakhs (2) 12 Lakhs (3) 6 Lakhs (4) 8 Lakhs

69. A square has sides of length "s" inches. A similar square is drawn by adding 3 inches to each side. Which equation best represents the perimeter (P) of the larger square?

(1) P = 4(s + 3) (2) P = 4s + 3 (3) P = 4 + (s + 3) (4) P = 4 ÷ (s + 3)

70. Neha, Rishi and Mayank have been nominated for the post of the class-perfect. The 42 students of the class cast their votes in favour of their favourite candidate as follows :

M - Mayank, N - Neha, R - Rishi

M	M	R	N	N	N
R	N	M	M	R	N
R	M	N	R	N	R
N	N	R	M	R	N
R	M	N	N	R	N
M	N	R	R	N	M
N	R	N	N	R	N

Who got the highest number of votes ?

(1) Rishi (2) Mayank (3) Neha (4) Rishi & Mayank

71. Find the sum of :

$-3\frac{1}{4}+2\frac{3}{8}$

(1) $-\frac{7}{8}$ (2) $\frac{1}{8}$ (3) 0 (4) $-\frac{7}{4}$

72. The ratio of cows to pigs at a New Mexico fair is 3 : 5. There are 150 cows at the fair. How many pigs are there?

(1) 30 (2) 50 (3) 250 (4) 400

73. The additive inverse of $-\frac{1}{3}-\left(-\frac{1}{3}\right)$ is

(1) $\frac{1}{3}$ (2) 0 (3) $-\frac{1}{3}$ (4) $\frac{5}{6}$

74. Evaluate : $\frac{(-4)\times(-4)^2\times(-4)^3}{(-64)}$

(1) –16 (2) –64 (3) 64 (4) 16

75. Which of the following is incorrect ?

(1) –5 > – 7 (2) –1 < 1 (3) |–8| < 0 (4) |–2| > –2

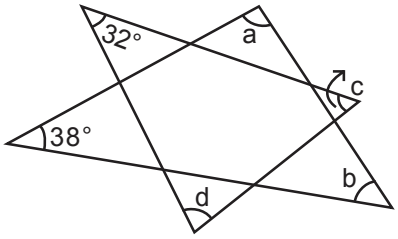
76. The rational number equivalent to $-\frac{2}{7}$ is?

(1) $-\frac{376}{1323}$ (2) $-\frac{382}{1337}$ (3) $-\frac{400}{1407}$ (4) $-\frac{400}{107}$

77. By how much is the sum of 16.145 and 13.215 greater than their difference ?

(1) 29.36 (2) 2.93 (3) 32.29 (4) 26.43

78. Find the sum of $\angle a$, $\angle b$, $\angle c$ and $\angle d$.

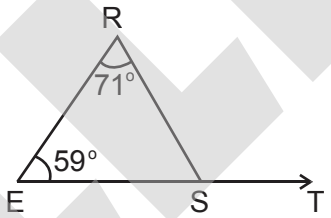


(1) 280° (2) 290° (3) 360° (4) 240°

79. If p : q = 7 : 8 then the ratio of (2p + q) : (2p – q) is

(1) 5 : 7 (2) 9 : 11 (3) 3 : 11 (4) 11 : 3

80. In the given figure, find the measure of $\angle RST$.



(1) 120^o (2) 50^o (3) 130^o (4) 129^o

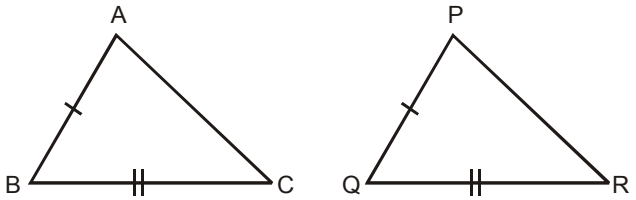
81. If $(-1)^n = 1$, then *n* must be a/an :-

(1) odd number (2) prime number (3) even number (4) natural number

82. If m = –1, then the value of $\frac{m^3 - 2m - 1}{m^2}$ is

(1) –4 (2) 4 (3) 0 (4) 2

83. Condition required for given triangles to be congruent by SAS is?



(1) AC = PQ (2) $\angle A = \angle P$ (3) $\angle B = \angle Q$ (4) $\angle A = \angle R$

84. By how much $a^2 + b^2 + c^2$ is greater than $c^2 - 4a^2 - 6b^2 + 2ab$?

(1) $-5a^2 - 7b^2 + 2ab$ (2) $5a^2 + 7b^2 - 2ab$

(3) $5a^2 - 7b^2 - 2ab$ (4) $5a^2 + 7b^2 + 2ab$

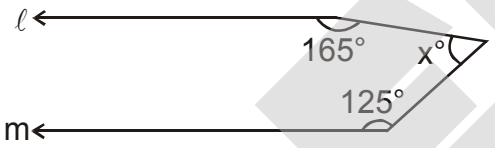
85. Every integer is a _____ number.

(1) Natural (2) Whole (3) Rational (4) Irrational

(INTEGER)

86. If 2 is the solution of variable x in the equation $\frac{5x-7}{3} = y$, then the value of y is _____.

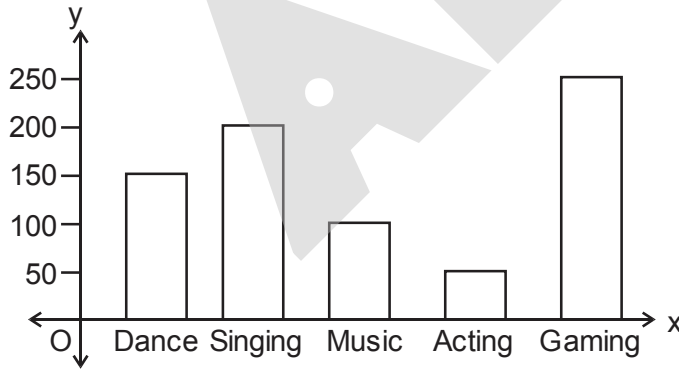
87. Determine the measure of x in figure, if ℓ and m are parallel to each other.



88. Find the value of $-18 - |8 - 17|$.

89. Length of wire required to make 5 equilateral triangle of sides 10 cm is ____ cm.

90. Observe the bar graph and answer the following question.



What is the difference between the maximum and minimum number of participants ?

91. If $11y + 5 = 5y + 35$, then y is equal to _____.

92. Find the perimeter (in cm) of the triangle having sides 4cm , 5 cm and 7cm.

93. The additive inverse of –7.19 is ____ ?

94. One - third of a number is 4 less than that number, find the number.

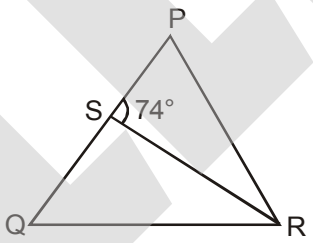
95. The two supplementary angles are in the ratio 19 : 1. Find the measure of the smaller angle (in degrees).

96. In a particular exam, the paper consists of 30 questions. The marking scheme alloted 2.5 marks for every correct answer and (–1.5) for every incorrect answer. If Mohit attempted 28 questions; out of which 4 were incorrect; find his total score.

97. Evaluate : $\frac{-243\times(-3)^2}{3^7}$

98. If $m=\frac{4pq}{p+q}$, then the value of $\frac{m+2p}{m-2p}+\frac{m+2q}{m-2q}=$ _____.

99. PQR is an equilateral triangle.

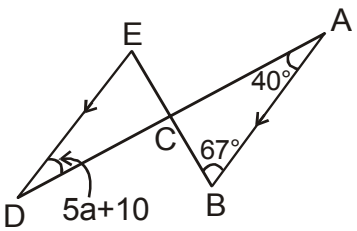


What is the measure of half of $\angle QRS$ (in degrees) ?

100. If $\frac{x}{y}=\frac{2}{5}$ then the value of $\left(\frac{4}{7}+\frac{y-x}{y+x}\right)$ equals _____.

101. The product of two numbers is 1452 and their HCF is 11. The number of such pairs is _____.

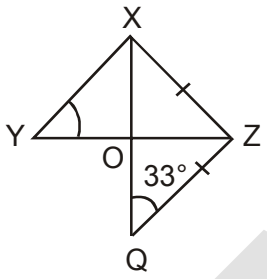
102. In the given figure, AB || DE. Find a (in degrees).



103 If $1.25 \times 150^k = 187.5$, then the value of k is _____.

104. How many terms are there in the given algebraic expression :
$2x^2 + 6x - 4x^3 + 10 + x^2$

105. In the given figure, XYZ is an equilateral triangle and XZQ is an isosceles triangle. Then the difference of $\angle XYZ - \angle QZO$ is _____ degree.

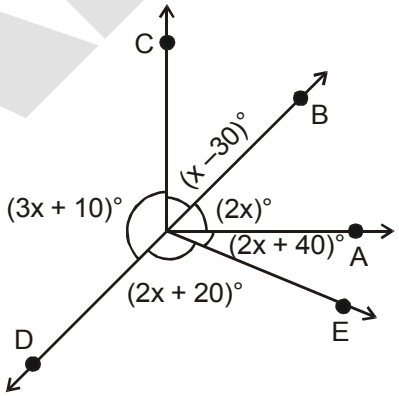


106. What is the value of the given expression for x = 5 and y = 5.
$4xy(x-y) - 6x^2(y-y^2) - 3y^2(2x^2-x) + 2xy(x-y)$

107. The product of two decimals is 9.486. If one of them is 2.79, other number is_____?

108. Find the value of x which satisfies the equation $-3x + 1 = -5$?

109. Find the value of x.



110. Find the value of $\left\{64 \times (-2) - (-6)43 \times (-5) \times \frac{1}{86}\right\}$.

PART – II

IQ

(OBJECTIVE)

111. Choose the number which is different from others in the group.

(1) 44 (2) 45 (3) 64 (4) 65

112. Arrange the following words will come in third place if all of them are arranged alphabetically as in a dictionary?

(1) Nozzle (2) Normal (3) Nostril (4) Nomenclature

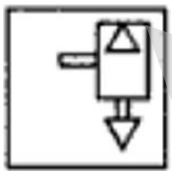
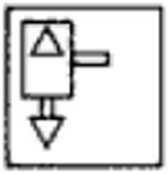
113. Choose the correct mirror image of given word.

TERMINATE

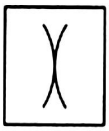
(1) TƎЯMINATE (2) ETAИIMЯƎT (3) ETAИIMЯƎT (4) ƎTAИIMЯƎT

114. Choose the correct water - image of the fig. (x) from the given four figures.

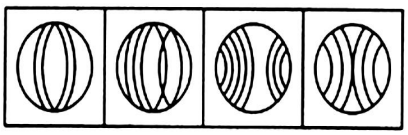
(X)

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

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



(X)



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

116. Answer the given question based the following English Alphabet Series

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z. is reversed. Which is the 8th letter to the right of 6th from the left end?

(1) E (2) H (3) M (4) S

117. The question is based on the information given below :

1. A , B, C, D and E are five men sitting in a line facing to south - while M, N, O, P and Q are five ladies sitting in a second line parallel to the first line and are facing to North.

2. B who is just next to the left of D, is opposite to Q.

3. C and N are diagonally opposite to each other.

4. E is opposite to O who is just next right of M.

5. P who is just to the left of Q, is opposite to D.

6. M is at one end of the line.

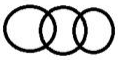
Which of the following pair is diagonally opposite to each other ?

(1) AM (2) BO (3) AN (4) EQ

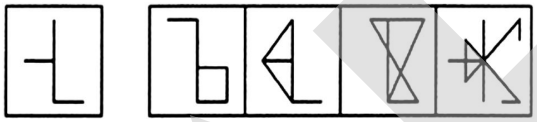
118. Choose the pair in which the words are differently related.

(1) Shoe : Leather (2) Iron : Axe (3) Table : Wood (4) Jewellery : Gold

119. Identify the diagram that best represents the relationship among Males, Brothers, and Teachers.

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

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



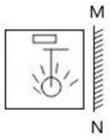
(X) (1) (2) (3) (4)

121. What should come next in the following letter sequence?

A B C A B C D A B C D E A B C D E F A B C D E F G A B C D

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

122. If a mirror is placed on the line MN, then which of the answer figures is the correct image of the given figure?



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

123. Study the following figure and answer the question given below:

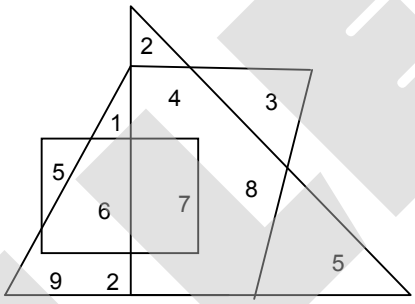
How may doctors are neither artists nor players?

(1) 17 (2) 5 (3) 10 (4) 30

124. Choose the pair in which the words are differently related.

(1) Door : Bang (2) Piano : Play (3) Rain : Patter (4) Drum : Beat

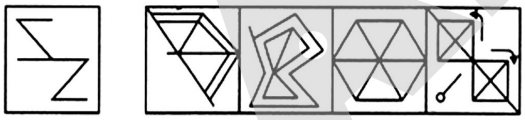
125. This question is based on the diagram below:-



What is the sum of the numbers which belong to two figures only?

(1) 10 (2) 14 (3) 18 (4) 22

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



127. If it is possible to from a word with the first, fourth, seventh and eleventh letters in the word 'SPHERVLVODS' write the second letter of that word Otherwise, X is the answer..

(1) S (2) E (3) L (4) X

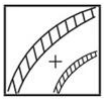
128. Six friends were sitting around a circular table facing at the centre Amar, Kiran, Jeetu, Hemanth, Dhawan and Manjeet. Jeetu is sitting 2 places to the left of Amar and Amar opposite to kiran. If Dhawan and Manjeet are opposite to each other. Who is sitting left of Jeetu?

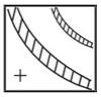
(1) Dhawan (2) Manjeet (3) Kiran (4) Hemant

129. Choose the number which is different from others in the group.

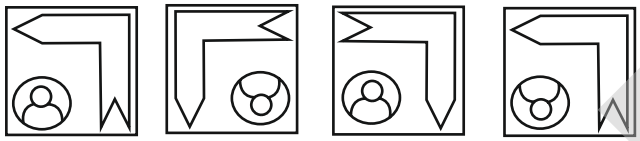
(1) 65 (2) 345 (3) 217 (4) 513

130. Choose the water image of given figure.



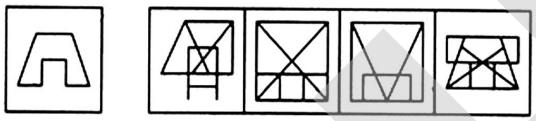
(1)  (2)  (3)  (4) 

131. Examine the figures given in the alternatives and find the one which is the exact mirror image of the given figure.



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

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



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

133. A B C D E F G H I J K L M N O P Q R S T U V W X Y Z. Which letter in this alphabet is the eighth letter to the right of the letter, which is the tenth letter from the left end of the alphabet?

(1) X (2) R (3) I (4) H

134. Find the one which is different from the others.

(1) Wheat (2) Paddy (3) Jowar (4) Mustard

135. Read the following information carefully and answer the question which follow.

A, B, C, D, E, F, G and H are sitting in a circle facing its centre. D is sitting opposite to H who is sitting in the middle of G and F. E is sitting to the immediate left of D and to the immediate right of B. A is opposite to B and between G and C.

Who is sitting opposite to C and E respectively?

(1) F and B (2) F and G (3) B and G (4) F and A

(INTEGER)

136. If IM = 9 × 13 = 117 then what will be the code for WE + US = ?

137. Durga directly went from P to Q which is 9 feet distant. Then he turns to the right and walked 4 feet. After this he turned to the right and walked a distance which is equal from P to Q. Finally he turned to the right and walked 3 feet. How far is he now from P ?

138. If '+' means '×', '–' means '+', '×' means '÷', '÷' means '–', then 9 ÷ 3 + 4 – 99 × 9 = ?

139. Some boys are sitting in a line. Mahendra is on 17^{th} place from left and Surendra is on 18^{th} place from right. There are 8 boys in between them. How many maximum boys are there in the line ?

140. In the following question a number series is given. Find out the missing term of the series.
20, __, 110, 182, 272

141. Ram walks 5 km towards East and then turns left and walks 6 km. Again he turns right and walks 9 km. Finally he turns to his right and walks 6 km. How far is he from the starting point ?

142. Ram ranked 9th from the top and 38th from the bottom in a class. How many students are there in the class?

143. Interchange the numbers 2 & 8 as well as the signs + & ÷ then find x in the given expression:
12 + 8 = 2 ÷ x

144. In a certain language HAT is coded as 58 and CAT is coded as 48. Find the code for BAD

145. In a class of 180, where girls are twice the number of boys, Rupesh (a boy) ranked 34^{th} from the top. If there are 18 girls ahead of Rupesh, how many boys are after him in rank?

146. Find the missing term.
8, 12, 16, 28, 40, 76, ?.

147. Find the missing term.
1, 4, 10, 22, 46, ?.

148. Rima moves towards South-East a distance of 7 km, then she moves towards West and travels a distance of 14 km. From here she moves towards North-West a distance of 7 km and finally she moves a distance of 4 km towards east. How far is she now from the starting point ?

149. In a certain code language, '481' means 'sky is blue' , '246' means 'sea is deep ' and '698' means 'sea looks blue'. What number is the code for 'blue'?

150. If '+' means '÷', '–' means '×', '×' means '+', '÷' means '– ', given the value of
45 + 9 – 3 × 15 ÷ 2.

151. Find the missing term.
3, 4, 8, 17, 33, ?.

152. How many 7's are there in the following series which are not immediately followed by 3 but immediately preceded by 8 ?
8 9 8 7 6 2 2 6 3 2 6 9 7 3 2 8 7 2 7 7 8 7 3 7 7 9 4

153. The door of B's house faces east. From the back side of his house, B walks straight 50 m. Again he walks 25m after turning to his left, then he turns to his right and walks 50m. Finally he turns towards north and walks 25m and stops. What is the distance between the starting and the end point?

154. In a certain language, CAP is coded as 61, how will PEN be coded?

155. If 'P' means '÷', 'Q' means '–', 'R' means '×', 'S' means '+', find the value of

$$\frac{36P3S5R2Q1}{30P3Q3} = ?$$

156. Find the missing term.
128, 110, 90, ?, 44.

157. Praveen ranks 15th from the top of a class of 60 boys, What is his position from the bottom?

158. A child went 90 m in the East to look for his father, then he turned right and went 20 m. After this he turned right and after going 30 m he reached to his uncle's house. His father was not there. From there he went 100 m to his north and met his father. How far did he meet his father from the starting point ?

159. If '+' means '×', '–' means '÷', '×' means '+', '÷' means '–', find the value of
39 – 13 + 12 × 4 ÷ 2 = ?

160. If PRATAP could be given the code number 1618120116, what code number can be given to AT?

ANSWER KEY

Que.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Ans.	2	3	1	2	4	1	2	4	3	3
Que.	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Ans.	20	4	2	100	2	1	2	3	1	6
Que.	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
Ans.	4	1	4	3	1	3	3	4	3	3
Que.	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
Ans.	2	5	3	3	4	3	5	3	4	7
Que.	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**
Ans.	2	4	3	3	2	3	1	3	1	3
Que.	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	**60**
Ans.	3	6	4	3	4	2	4	4	5	3
Que.	**61**	**62**	**63**	**64**	**65**	**66**	**67**	**68**	**69**	**70**
Ans.	4	3	1	1	3	1	1	1	1	3
Que.	**71**	**72**	**73**	**74**	**75**	**76**	**77**	**78**	**79**	**80**
Ans.	1	3	2	2	3	2	4	2	4	3
Que.	**81**	**82**	**83**	**84**	**85**	**86**	**87**	**88**	**89**	**90**
Ans.	3	3	3	2	3	1	70	–27	150	200
Que.	**91**	**92**	**93**	**94**	**95**	**96**	**97**	**98**	**99**	**100**
Ans.	5	16	7.19	6	9	54	–1	2	7	1
Que.	**101**	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**
Ans.	2	6	1	4	6	-375	3.4	2	32	–143
Que.	**111**	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**	**120**
Ans.	3	3	4	1	4	3	1	2	3	2
Que.	**121**	**122**	**123**	**124**	**125**	**126**	**127**	**128**	**129**	**130**
Ans.	2	3	1	2	3	4	2	3	2	2
Que.	**131**	**132**	**133**	**134**	**135**	**136**	**137**	**138**	**139**	**140**
Ans.	1	4	2	4	2	514	1	8	43	56
Que.	**141**	**142**	**143**	**144**	**145**	**146**	**147**	**148**	**149**	**150**
Ans.	14	46	–2	14	44	112	94	10	8	28
Que.	**151**	**152**	**153**	**154**	**155**	**156**	**157**	**158**	**159**	**160**
Ans.	58	2	100	46	3	68	46	100	38	120