NAME- _____ **FATHER'S NAME-** _____

ROLL NO.- _____ **CLASS-**   **5th**

MOBILE NO.- _____ **INVIGILATOR SIGN. -** _____

TIME- 90 Min.   **MM- 70**

_____

SUBJECT- MATHEMATICS & REASONING

Q1. The sum of the number 765432 and the number obtained by reversing its digits is:

a) 930865   b) 980356

c) 999999   d) 9999998

Q2. Find 10th Triangular number.

a) 45   b) 65

c) 35   d) 55

Q3. $5 \times P = A$ and $3 \times A = 27.84$ l, then the capacity of each P is_____.

a) 1.375 l   b) 1.586 l

c) 1.856 l   d) 2.036 l

Q4. C is the product of A and B. which one of the following is not true?

a) A is a factor of C

b) B is a factor of C

c) C is common multiple of both A and B

d) A is common factor of B and C

Q5. Match each expression in Column A with its correct value in Column B, and then choose the correct option.

Column A

Column B

1. $(0.3 \times 0.3 \times 0.3 \times 0.3)$ is equal to

a) 37

2. $(\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3})$ is equal to

b) 1.2

3. $(0.3 + 0.3 + 0.3 + 0.3)$ is equal to

c) 0.0081

4. The largest prime factor of 333 is

d) 1.333

a) $1 \longrightarrow b, 2 \longrightarrow a, 3 \longrightarrow d, 4 \longrightarrow c$

b) $1 \longrightarrow a, 2 \longrightarrow b, 3 \longrightarrow c, 4 \longrightarrow d$

c) $1 \longrightarrow c, 2 \longrightarrow d, 3 \longrightarrow b, 4 \longrightarrow a$

d) $1 \longrightarrow d, 2 \longrightarrow c, 3 \longrightarrow a, 4 \longrightarrow b$

Q6. You are setting up an office and for that, you need some chairs. The cost of each chair is Rs 580 and you need 800 such chairs. If the total bill is above Rs. 4,50,000, then you will get a discount of Rs. 3,650. What will be the total Cost?

a) 4,60, 500

b) 4,60, 350

c) 4,64,000.

d) 4,62,500

Q7. Which of the following is greatest?

a) XLIII + XLIV

b) LXXIX - XXXIX

c) XCIX – LXVII

d) LVIII+ XL

Q8. Find the sum of the consecutive odd numbers between 1 and 20.

a) 98

b) 95

c) 100

d) 85

Q9. The decimal equivalent $\frac{1}{10} + \frac{11}{100} + \frac{111}{1000}$ is
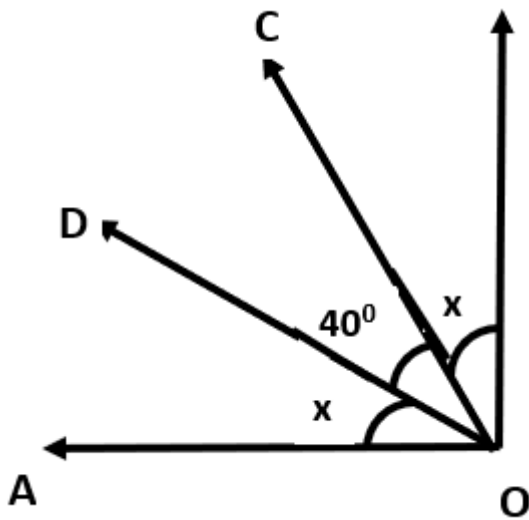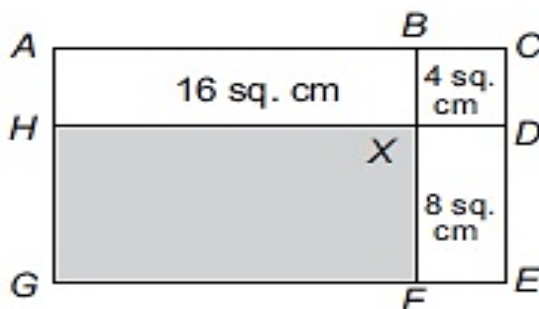
a) 11.11

b) 0.123

c) 0.321

d) 0.1111

Q10. In this figure, $\angle AOB$ is a right angled triangle and $\angle AOD = \angle BOC = x$ and $\angle DOC = 40^0$. What is the measure of $\angle AOC$?

a) 70^0

b) 60^0

c) 65^0

d) 75^0

Q11. Rectangle ACEG below is divided into 4 parts. BCDX is square. What is the area of the shaded part?

a) 28 sq. cm.

b) 32 sq.cm

c) 48sq. cm

d) 64 sq. cm

Q12. When 36,344 is divided by Y, the Quotient Z is equal to the sum of 25 and 34. Find the value of Y.

a) 572

b) 638

c) 518

d) 616

Q13. The average of first five consecutive even numbers is _____.

a) 10

b) 12

c) 8

d) 6

Q14. Ram is a fruit seller. He buys fruits for ₹ 2400. He pays ₹600 as cart charges. If he sells the fruits for ₹ 3100. Find his gain or loss.

a) gain ₹ 100   b) Gain ₹ 200

c) Loss ₹ 100   d) No gain, No loss

Q15. The given figure is made up four identical squares. If the length of one side of square 14cm. find the perimeter of the whole figure.
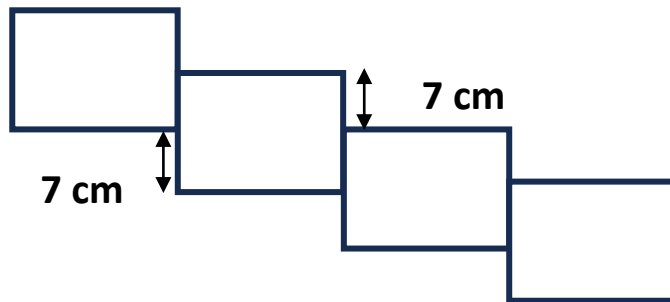
a) 182 cm   b) 168 cm

c) 140 cm   d) 128 cm

Q16. Read the following passage carefully and answer the given question.

x is a number between 2 and 20 that is both & perfect square and an odd number.

y is a composite number which as the successor of a prime number above 13 and below 19.

Z is a number between 0 to 10 that is neither a prime number nor a composite number.

What is the Value of x + y =

a) 25   b) 26

c)27   d) 28

Q17. Study the following statements. which of the given statements is Correct?

2/3 of wire P is 80 cm. long
2/5 of wire Q is 46 cm long

a) Wire P is shorter than wire Q.

b) The length of wire P is twice that of wire Q.

c) The two wires have the same lengths.

d) Wire P is longer than wire Q.

Q18. For long distance telephone calls, a telephone company charges 30 paise per minute or 1 paisa for two seconds. What would be the cost of a call for 3 minutes and 20 seconds?

a) ₹ 1.00   b) ₹ 1.20

c) ₹ 1.25   d) ₹ 1.30

Q19. The distance between the front face and back face of a cuboid is called _____.

a) Height   b) length

c) Breadth   d) None of these

Q20. Observe the given figure which of the following is correct?
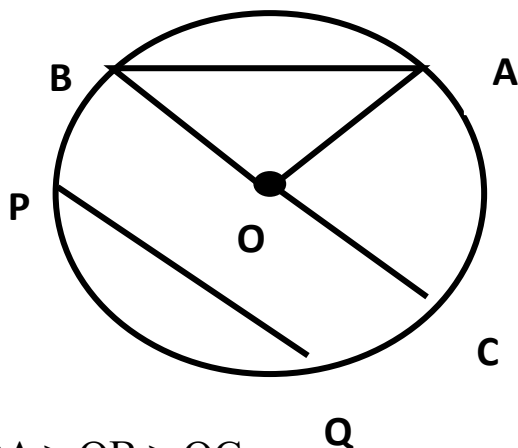
a) OA > OB > OC   b) PQ = AB = BC

c) OA = OB = OC   d) PQ > BC

Q21. A Company employs 19 people. Each person is paid Rs. 77642 as a salary in a year. What is the total salary paid in a year?

a) 1765432   b) 1475198

c) 1654000   d) 1456000

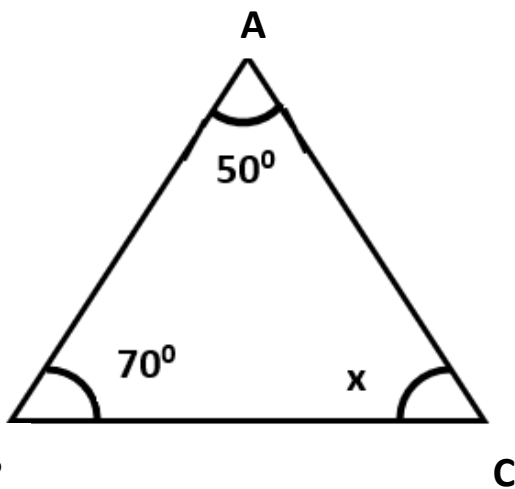**Q22. The side of a square is 10 cm. How many times will the new perimeter become if the side of the square is doubled?**

a) 2 times

b) 4 times

c) 6 times

d) 8 times

Q23. Sum of any three angles of a rectangle is equal to:

a) 260°

b) 270°

c) 280°

d) 290°

Q24. Look at the following figure X is an _____.

A

50°

70°

X

B

C

a) Acute angle

b) Obtuse angle

c) Right angle

d) Straight angle

Q25. A cake weight 2 kg is divided into 5 equal parts. Then again each part is divided into four equal parts. Find the weight of each part.

a) 60 g

b) 80 g

c) 100 g

d) 120 g

Q26. Find the combination of numbers so that letters are arranged accordingly to form a meaningful English word

K   A   T   C   E   L

1   2   3   4   5   6

a) 1,2,4,5,6,3   b) 3,2,4,1,6,5

c) 4,2,3,1,5,6   d) 6,5,3,2,4,1

Q27. If in a certain code, 'DAUGHTER' is written as 'TERDAUGH', How will 'APTITUDE' be written in that code?
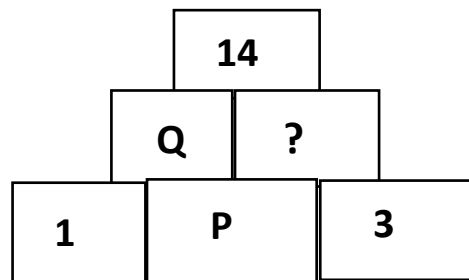
a) DEUAPTIT   b) UDEAPTIT

c) DUEAPTIT   d) DAUEPTIT

Q28. Find the value of P and Q respectively, if each number is the sum of the two numbers directly below it.

a) 8,6   b) 3,6

c) 5,6   d) 9,10

Q29. 21 students are standing in a line. Deepak is in the middle. What is his position from left as well as from right?

a) 12th b) 10th

c) 11th d) 9th

Q30. Mohit travels 12km west, then 3km towards south and then 12km towards east. How far is he from the starting point?

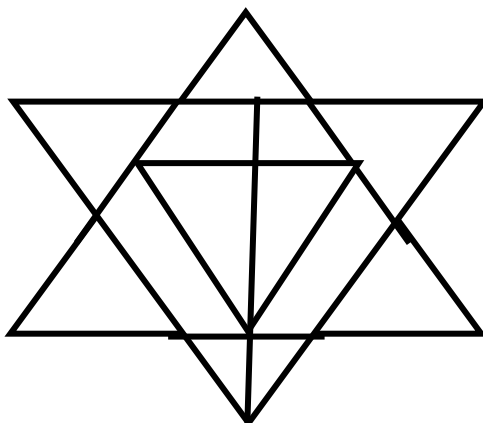a) 3km   b) 20km

c) 15km   d) 5km

Q31. What is the minimum number of straight lines required to make the given figure?

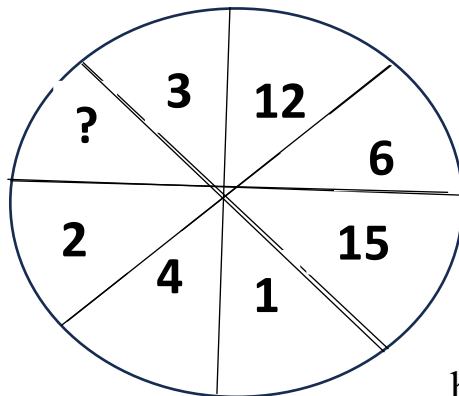a) 10   b) 11

c) 9   d) 7

Q32. Study the following diagram and find the missing term?

a) 5   b) 15

c) 25   d) 40

Q33. Which of the following words cannot be formed by using the letters of the word "MISREAD"?

a) Spear   b) Dreams

c) Side   d) Ride

Q34. 97 students are standing in a line, Raj is standing exactly in middle. What is his position from left as well as from right?

a) 50th b) 44th

c) 48th d) 49th

Q35. Select the related number from the given alternatives.

6 : 219 :: 8 : ?

a) 438   b) 515

c) 626   d) 512

SUBJECT- SCIENCE

Q36. Which of the following bone is not found in leg?

a) Tibia   b) Fibula

c) Femur   d) Ulna

Q37. Peach trees have sweet- swelling blossoms and produce rich fruit. What is the main purpose of the flowers of a peach tree?

a) To attract bees for pollination

b) To create flower arrangements

c) To protect the tree from disease

d) To feed migratory birds

Q38. Which object would experience the greatest buoyant force in water?

a) A small stone

b) A large ship

c) A pencil

d) A paper clip

Q39. Read the statements

i) I am a plant with green coloured thick leaves

ii) I need a lot of water to grow

iii) I am found on hill station

a) Palm

b) Cactus

c) Tea

d) Rose

Q40. Match the following

Column A	**Column B**
i) First class lever	**a) Fishing rod**
ii) Second class lever	**b) Battery**
iii) Third class lever	**c) Scissors**
iv) Chemical Energy	**d) Bottle opener**

a) i- d, ii- a, iii- b, iv- c

b) i- b, ii- c, iii- d, iv- a

c) i- c, ii- d, iii- a, iv- b

d) i- c, ii- a, iii- d, iv- b

Q41. The first artificial satellite launched by India was

a) Rohini

b) Aryabhata

c) Sputnik

d) Apple

Q42. Read the statements

i) These muscles are not under our control

ii) They are present in the walls of the stomach, intestine and lungs

Identify the muscles

a) Involuntary Muscles   b) Cardiac Muscles

c) Voluntary Muscles   d) Bone Marrow

Q43. The longest bone in our body is connected to which other bones.

a) Radius and Ulna   b) Tibia and Fibula

c) Humerus   d) Wrist Bone

Q44. Name the smaller quakes which continue after first big earthquake.

a) Focus   b) After Shocks

c) Epicentre   d) Postquakes

Q45. Match the following

1) Energy	**a) Sound energy**
2) Battery posses	**b) Chemical energy**
3) Work	**c) Heat energy**
4) Music player has	**d) Movement of object**
5) Burning of wood	**e) Capacity to do work**

a) 1- a, 2- b, 3- c, 4- d, 5- e   b) 1- d, 2- c, 3- e, 4- a, 5- b

c) 1- e, 2- b, 3- d, 4- a, 5- c   d) 1- d, 2- b, 3- c, 4- a, 5- e

Q46. Complete the following sentences and select the correct option:

1) The spines protect the plant from _____

2) Coconut trees are generally found in _____

a) 1- grazing animals, 2- hot and damp areas

b) 1- itching, 2- rainy areas

c) 1- floating, 2- desert region

d) 1- pricking, 2- hilly areas

Q47. Read the passage below and correctly identify X:

The X is in charge of thinking and memory. X is the largest part of the brain. Its dome shaped surface is covered with deep ridges and grooves.

a) Cerebrum   b) Medulla

c) Spinal cord   d) Cerebellum

Q48. Which of the following options is correct for the given statements?

**Statement 1: Mixing red and green marbles is a physical change.**

Statement 2: Physical change takes place when a matter changes its state.

a) Statement 1 is the correct and Statement 2 is incorrect.

b) Statement 2 is the correct and Statement 1 is incorrect.

c) Both Statements are true

d) Either Statement 1 and 2 are correct.

Q49. Shweta and Farheen are growing girls. Shweta takes lots of fried food like samosa, pakoras, sweets etc. whereas Farheen takes Iron deficiency diet. Which of the following disorders are they likely to suffer from respectively.

a) Anaemia and Marasmus   b) Night blindness and Obesity

c) Obesity and Marasmus   d) Obesity and Anaemia

Q50. Study the given Venn diagram. Which one of the animals P, Q, R, S is a hawk?

Animals that lay eggs

Q

R

P

S

Animals with 2 legs

Animals that eat plants only
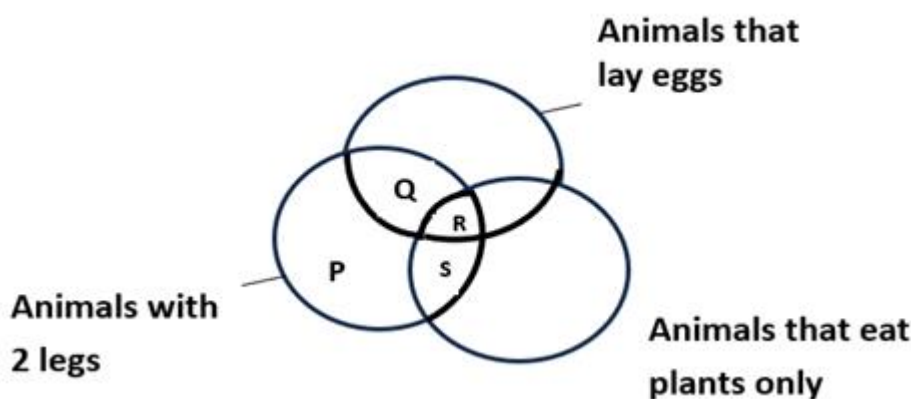
a) P

b) Q

c) R

d) S

Q51. Name the tissue that attach muscles to the bones of the body.

a) Ligament

b) Bone Marrow

c) Tendons

d) Spine

Q52. Match the following types of diseases with their corresponding symptoms.

1) Goitre	**a) Weak bones, risk of fractures**
2) Osteoporosis	**b) Severe malnutrition, stunted growth**
3) Marasmus	**c) Bleeding gums**
4) Scurvy	**d) Swelling in the neck**

a) 1- d, 2- a, 3- b, 4- c

b) 1- a, 2- b, 3- c,4- d

c) 1- d, 2- a, 3- c, 4- b

d) 1- c, 2- b, 3- d, 4- a

Q53. Consider the two statements given below and choose the correct option:

Statement 1: Filtration is a method used to separate insoluble substance from liquid.

Statement 2: Distillation is a method to separate soluble substance from liquid.

a) Statement 1 is the correct and Statement 2 is wrong.

b) Statement 2 is the correct and Statement 1 is wrong.

c) Both Statements are true

d) Both Statements are false

Q54. Kerosene and water can be separated from the mixture by

a) Filtration

b) Decantation

c) Sedimentation

d) Sieving

Q55. How many bones are present in our skull?

a) 21

b) 22

c) 12

d) 20

Q56. Match the following

Column A	Column B
i) Physical change	**a) Smallest unit of matter**
ii) Chemical change	**b) Smallest unit of water**
iii) Atom	**c) Melting of ice cube**
iv) Molecule	**d) Burning a matchstick**

a) i- d, ii- c, iii- a, iv- b

b) i- c, ii- d, iii- a, iv- b

c) i- d, ii- a, iii- b, iv- c

d) i- c, ii- b, iii- d, iv- a

Q57. What is the temperature of freezer zone of fridge?

a) 100^0 C

b) 4^0 C

c) 0^0 C

d) 10^0 C

Q58. A scientist uses an instrument to observe the pattern of molecules in a substance. The given picture shows what the scientist sees. What state of matter is the scientist most likely observing?
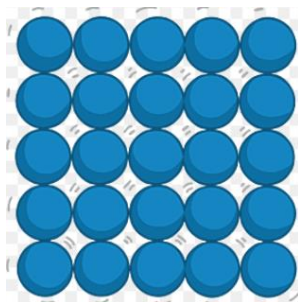
a) Gas

b) Liquid

c) Vapour

d) Solid

Q59. Which among the following seeds are monocot seed?

a) Peas

b) Beans

c) Gram

d) Corn

Q60. What do grasshoppers and chameleons have in common?

a) Both are parasites

b) Both are nocturnal animals

c) Both hibernate

d) Both change their colour and are not easily seen by enemies

Q61. Which of the following statement is/are correct?

1) A force can change the shape and volume of an object

2) A force can be seen but the effect of the forces cannot be felt

3) The gravitational force always cause repulsion

4) When a force exerted on a stationary object, it can move

a) 1 only   b) 2 only

c) 1 and 4 only   d) 1,2 and 3

Q62. If a compound is made up of 3 atoms of an element 'X' and 1 atom of an element Y, what will be the chemical formula of the compound.

a) X_3Y b) XY_4

c) XY d) XY_2

Q63. Which of the following is incorrect about the particles of a matter?

a) Particles have spaces between them

b) Particles are extremely small

c) Particles attract each other

d) Particles are in stationary state

Q64. The study of earthquakes is called

a) Ornithology   b) Sociology

c) Seismology   d) Geology

Q65. _____ are animals which gnaw their food.

a) Reptiles   b) Amphibians

c) Rodents   d) Insects

Q66. Which among the following is a dicot seed

a) Gram

b) Maize

c) Wheat

d) Rice

Q67. On heating:

a) Size of matter contracts

b) Size of matter expands

c) Size of matter remains same

d) Both (a) and (b)

Q68. How many limbs does a human have?

a) 2

b) 6

c) 4

d) 8

Q69. Who produces pollen grain?

a) Anther

b) Ovule

c) Ovary

d) Stigma

Q70. _____ tiny holes present on bodies of insects for breathing.

a) Wings

b) Spiracles

c) Moist Skin

d) Gills