

CLASS

**6th to 7th
Moving**

CODE

A



MODULUS
SMART SCHOOL

PRE-FOUNDATION | CUET | NDA | CLAT | IPMAT

Dream

Believe

Achieve

Intelli-Mind Scholarship Exam

MAXIMUM TIME - 1:30 Hrs.

MAXIMUM MARKS: 60

GENERAL INSTRUCTIONS for The Test :-

- **The question paper consists of 3 sections (Section -A contains Science, Section-B contains Mathematics, Section-C contains English.**
- **This Question Paper contains a total of 60 questions.**
- **Write the correct answer for each question in your answer sheet.**
- **All questions are single correct type questions, each of these questions has four choices (A), (B), (C) and (D) out of which **ONLY ONE** is correct.**
- **For each question, you will be awarded **4 marks** if you have darkened only the bubble corresponding to the correct answer.**
- **Zero mark if no bubble is darkened.**
- **In all other cases, minus one (**-1 mark**) will be awarded.**

Student's Signature

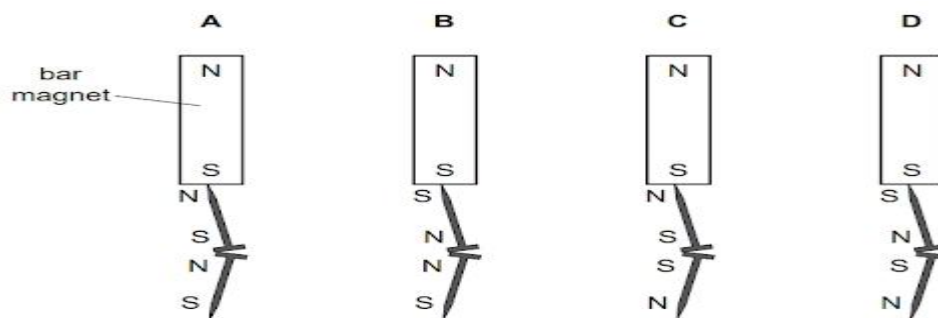
Invigilator's Signature

Section – A (Chemistry)

1. Karan cuts a piece of wire and then bends to form a pattern. Identify the change undergone by the wire.
- (a) Irreversible physical change (b) Reversible physical change
(c) Chemical change (d) Initially chemical change later physical change
2. Muslin cloth is used for :
- (a) Filtration (b) Sedimentation
(c) Decantation (d) Condensation
3. Which of the following combinations is INCORRECT ?
- (a) Boiling, Evaporation, Rain (Physical change)
(b) Snow fall, Burning of paper, Rusting (Chemical change)
(c) Formation of curd, growth of plant (Chemical change)
(d) Breaking of glass, melting of wax, Ice formation (Physical change)
4. Cotton is usually picked by hand. Fibres are then separated from the seeds by combining. This process is called _____ of cotton.
- (a) Spinning (b) Retting
(c) Ginning (d) None of these
5. Which of the following is insoluble in water?
- (a) Alcohol (b) Simple salt
(c) Coconut oil (d) Sugar
6. Which of the following materials is translucent?
- (a) Stained glass (b) Mirror
(c) Wall (d) Cloth
7. Components of a mixture separated by sieving are done based on differences in their:
- (a) Weight (b) Colour
(c) Shape (d) Size

Physics

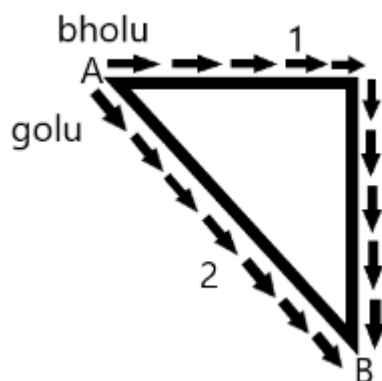
8. Two iron nails hang from a bar magnet. Which diagram shows the magnetic poles induced in the nails?
(Fun with magnets)



- (a) A (b) B
(c) C (d) D

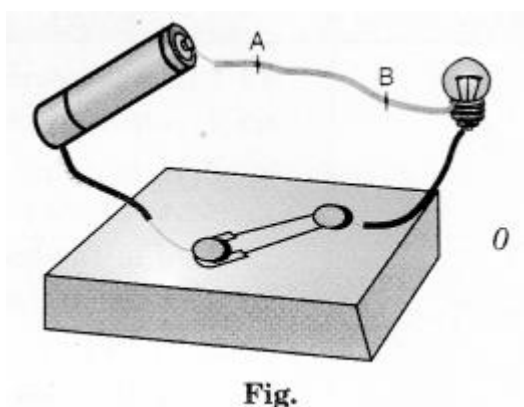
9. Bholu and Golu are playing on the ground. They start running from the same point A in the ground and reach point B at the same time by following the paths marked 1 and 2 respectively as shown in the figure. Which of the following is/are true for the given situation? As compared to Golu, Bholu covers a

(Motion and measurement of distances)



- | | |
|--|--|
| (a) Longer distance but with a lower speed | (b) Longer distance with a higher speed |
| (c) Shorter distance with a lower speed | (d) Shorter distance with a higher speed |

10. When an electric current flows through a copper wire AB as shown in Figure, the wire:- **(Electric Current and its Effects)**



- | | |
|---|------------------------|
| (a) Deflects a magnetic needle placed near it | (b) becomes red hot |
| (c) Gives electric shock | (d) Behave like a fuse |

11. Observe the figure below and complete the following sentence: This distance-time graph indicates that _____.

(MOTION AND MEASUREMENT OF DISTANCES)



- (a) A car is parked or has stopped
(c) A car is moving with different speeds

- (b) A car is moving very fast
(d) A car is moving with a constant speed

12. Choose the correct option and complete the following sentence:

The light from torch when falls on a teddy bear, form a shadow on the screen behind the teddy bear as shown in the figure. As the torch is moved away from the teddy bear the shadow will _____.

(LIGHT)



- (a) Become smaller
(c) change its shape

- (b) become larger
(d) remain unchanged

13. Observe the picture below of three bulbs and correctly identify the type of object they are made of:

(LIGHT)



- (a) A - Translucent object, B - Opaque object, C - Transparent object
(b) A - Opaque object, B - Transparent object, C - Translucent object
(c) A - Transparent object, B - Opaque object, C - Translucent object
(d) A - Translucent object, B - Transparent object, C - Opaque object

14. Swami walks to his school which is at a distance of 4 km from his home in 30 minutes. On reaching he finds that the school is closed and comes back in his friend's vehicle home in 10 minutes. His average speed in km/h is

- (a) 24 km/hr
(c) 20 km/hr
- (b) 8 km/hr
(d) 16 km/hr

Biology

15. Sea animals like dolphins and whales breathe through their

- (a) Gills
(c) Skin
- (b) blowholes
(d) spiracles

16. The bones at the elbow are joined by a _____ joint.

- (a) Ball and socket
(c) Hinge
- (b) Pivot
(d) Fixed

17. The process of converting kitchen waste to manure is known as

- (a) Recycling
- (c) Land filling

- (b) composting
- (d) reducing

18. Pitcher plant traps Insects because It

- (a) Is a heterotrophy
- (c) Does not have chlorophyll

- (b) grows in soils which lack in nitrogen
- (d) has a digestive system like human beings

19. Which one is not a part of circulatory system?

- (a) Blood
- (c) Heart

- (b) Blood vessel
- (d) Lungs

20. Skeleton of human body is made up of

- (a) Bones
- (c) Both '1' and '2'

- (b) Cartilage
- (d) Muscles

Section – B (Mathematic)

21. If n represents any integer, then which expression represents multiple of 4?

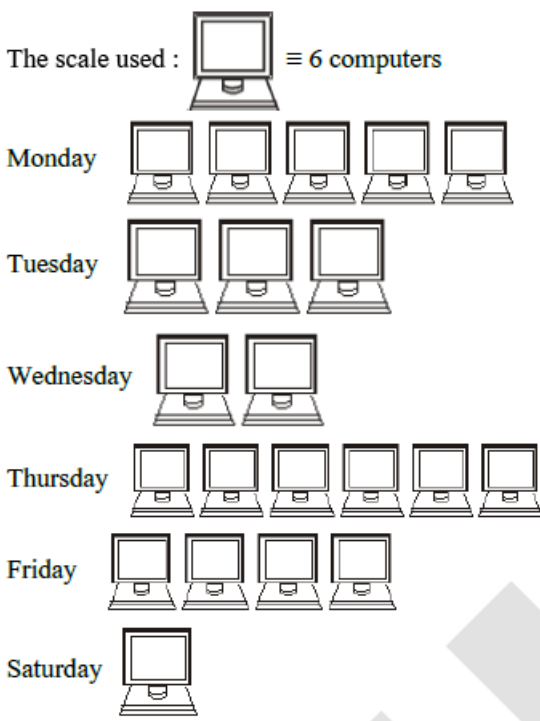
(a) $4 + n$

(b) $4n$

(c) $\frac{n}{4}$

(d) $n - 4$

22. The following pictograph shows the number of computers sold by a company during a week.

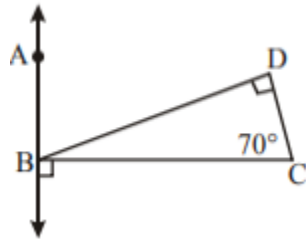


Look at the pictograph and answer the question given below : On which day was the sale maximum ?

- (a) Thursday
- (b) Monday
- (c) Friday
- (d) Tuesday

23. The sum of predecessor of -16 and successor of 16 is:

- (a) 17 (b) 1 (c) -1 (d) 0
24. A Semi-circle has lines of symmetry
 (a) 5 (b) 2 (c) 1 (d) 4
25. If $x = 5$ and $y = x + 7$, then the value of $x^2 + y =$
 (a) 37 (b) 30 (c) 28 (d) 27
26. By solving $\left(\frac{-72}{-8}\right) + (-3x - 9) + (-4) + 2$, you will get :-
 (a) 34 (b) -34 (c) 24 (d) -24
27. Which of the symbols are never repeated?
 (a) V, X and C (b) V, X and D (c) V, L and D (d) L, K and C
28. AB and CD are two chords of a circle, if only AB passes through the centre of the circle, then
 (a) $AB = CD$ (b) $AB > CD$ (c) $AB < CD$ (d) None of these
29. What is the measure of $\angle ABD$?



- (a) 20° (b) 70° (c) 140° (d) 160°
30. A number is multiplied by 6 and 12 is added to the product. The result is 84. Then the number is
 (a) -12 (b) 72 (c) 12 (d) -72
31. With the angles given below, in which case the construction of triangle is possible?
 (a) $30^\circ, 60^\circ, 70^\circ$ (b) $50^\circ, 70^\circ, 60^\circ$ (c) $40^\circ, 80^\circ, 65^\circ$ (d) $72^\circ, 28^\circ, 90^\circ$
32. The difference of the smallest five digit number and the greatest five digit number formed by using 2, 1, 5, 7, 0 only (Digits should not be repeated) is
 (a) 73953 (b) 65053 (c) 64953 (d) 65953
33. The smallest possible decimal fraction upto 3 decimal places is
 (a) 0.101 (b) 0.111 (c) 0.001 (d) 0.011
34. The sides of a triangle are in the ratio 3 : 2 : 5 and its perimeter is 30 cm. The length of the longest side is:
 (a) 20 cm (b) 15 cm (c) 10 cm (d) 12 cm
35. 118. What will be the value of $3x^2 + 9z^3$ when $x = 2$ and $z = -1$?
 (a) 21 (b) 9 (c) 3 (d) -3
36. Smallest three-digit number having three distinct digit is.
 (a) 101 (b) 001 (c) 321 (d) 123
37. The Number of Three-digit Number Formed under Digits 3,5,9 Taking Each Digit Once Is.

- (a) 3 (b) 4 (c) 5 (d) 6
38. If N Is A Natural Number, Then $N(n+1)(N+2)$ Is Always Divisible By
 (a) 4 (b) 5 (c) 6 (d) 7
39. How Many Whole Numbers Are There Between 1052 and 1298?
 (a) 400 (b) 245 (c) 33 (d) 142
40. The Set of Integers Is Not Closed Under
 (a) Subtraction (b) Division (c) Multiplication (d) Addition
41. One Meter Is Equal To
 (a) 0.1 km (b) 0.01 km (c) 0.001 km (d) 0.0001 km
42. The Least Value Should Be Given to So That Number 63421 Is Divisible By 3.
 (a) 0 (b) 1 (c) 2 (d) 3
43. Among The Following Numbers the Number Divisible By 6 Is.
 (a) 7908432 (b) 68719402 (c) 45982014 (d) 98241032
44. The Numbers of Twin Primes From 1 To 100 Is.
 (a) 10 (b) 9 (c) 25 (d) 8
45. The Number Of Diagonals Of Octagon Is.
 (a) 14 (b) 15 (c) 19 (d) 20
46. The Number of Right Angels Turn by the Hour Hand of A Clock From 2 To 8 Is.
 (a) 1 (b) 4 (c) 2 (d) 3
47. The Area of Rectangle Is A One of Its Sides Is X Then Its Adjacent Side Is.
 (a) Ax (b) $\frac{\pi}{h}$ (c) $\frac{A}{x}$ (d) $\frac{x}{A}$
48. If 36: X :: X: 16 Are in Proportion, Then Value of X.
 (a) 12 (b) 16 (c) 18 (d) 24
49. If Side of An Equilateral Triangle Is 6 Cm, Then Its Area Is.
 (a) 18 cm^2 (b) $\sqrt{3} \text{ cm}^2$ (c) $9\sqrt{3} \text{ cm}^2$ (d) $3\sqrt{2} \text{ cm}^2$
50. Hcf Of Two Consecutive Even Numbers Are.
 (a) 0 (b) 1 (c) 2 (d) none of these

Section – C (English)

Our ancestors had great difficulty in getting books. Now, our difficulty is what to read. There are books and books but our hours of reading are very few. Therefore, choice becomes essential. We should be very careful about what we read. There are books which poison our lives by suggesting evils. We should keep them at arm's length. We should read only those books which have stood the test of time. Such books are our great classics like the Ramayana and the Gita. They contain the wisdom of our sages and saints. They have appealed to mankind from generation to generation. Reading of such

books has ennobling influence on our mind and character. It gives us spiritual enjoyment. These books give us instruction with entertainment. They represent our ancient culture. They set before us high ideals to follow. They are our best friends, best guides and the best treasure.

51. We should be selective because

- | | |
|--|--------------------------------|
| (a) there is a great number of books available to us | (b) there is scarcity of books |
| (c) there are only bad books in the market | (d) none of the above. |

52. We should avoid those books which

- | | |
|---|-----------------------------------|
| (a) cost high price | (b) come in paperback |
| (c) corrupt our lives by suggesting evils | (d) come in more than one volume. |

53. The books which have stood the test of time are called....

- | | |
|-----------------|----------------|
| (a) great books | (b) rare books |
| (c) biographies | (d) classics. |

54. What is/are special quality/qualities of classics?

- | | |
|--|--|
| (a) They affect our mind in a good way | (b) They teach us something great and also entertain us. |
| (c) They help us in our spiritual growth | (d) All the above. |

55. An expression in the passage which means 'good effect' is

- | | |
|-------------------------|-------------------------|
| (a) Spiritual enjoyment | (b) Ennobling influence |
| (c) high ideals | (d) Very careful. |

56. Read the following sentences carefully and fill in the blanks with the most suitable prepositions from the alternatives given below:

Q. He is a man high character.

- | | |
|--------|----------|
| (a) of | (b) with |
| (c) in | (d) by |

57. Fill in the blanks with correct form of verb by choosing the right answer from the given alternatives:

Where did you yesterday? (go)

- | | |
|----------|-----------|
| (a) went | (b) going |
| (c) go | (d) gone |

58. Fill in the blanks by choosing the right modals from the given alternatives:

One _____ listen to his elders in order to get successful in life.

- | | |
|----------|------------|
| (a) Can | (b) Should |
| (c) Must | (d) Will |

59. Fill in the blanks by choosing the right answer from the given alternatives:

Seismograph is an instrument used to _____ earthquake,

- | | |
|---------------|--------------|
| (a) Measuring | (b) Measures |
| (c) Measure | (d) Measured |

60. Choose the right answer from the given alternatives for the word given:

FRIGHTENED

- | | |
|------------|---------------|
| (a) afraid | (b) confused |
| (c) coward | (d) reluctant |