

ETERNAL OLYMPIAD

KHETRI ROAD, NEEM KA THANA

CLASS – VIII

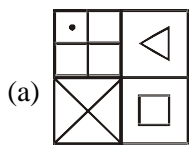
(VII to VIII Moving Students)

SAMPLE PAPER

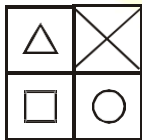
This Paper contains **60 Multiple Choice Questions**. Each question has four choices (a), (b), (c) and (d) out of which **ONLY ONE** is correct.

SECTION-A (MENTAL ABILITY)

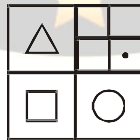
- If TABLE is coded as VCDNG then CLASS is coded as:
(a) DMBSS (b) ENCUU
(c) ENBUU (d) ELBUU
- Which fraction comes next in the sequence $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{7}{16}, ?$
(a) $\frac{9}{32}$ (b) $\frac{10}{17}$
(c) $\frac{11}{34}$ (d) $\frac{12}{35}$
- Sunil introduces Pradeep as the son of the only brother of his father's wife. How is Pradeep to Sunil?
(a) Cousin (b) Son
(c) Uncle (d) Son-in-law
- In a certain code MEDICO is coded as DEMOCL, write code for PICNIC.
(a) ICICPN (b) CIPIN
(c) PNICIC (d) CCIINP
- A honeybee colony that contains 50,000 bees in late fall, may have only 10,000 bees at the end of winter. What percent of the bees live through the winter season?
(a) 80% (b) 20%
(c) 25% (d) 50%
- Find the mirror image of REASONING from the options given below
(a) REAVSONING (b) REASONING
(c) REAZSONING (d) REASONING
- Which of the following designs can be made using 4 out of 5 given set of tiles?



(b)



(c)



(d) All of these

- How many squares are there in a 6×4 square grid?
(a) 45 (b) 50
(c) 55 (d) 60
- Here are some words translated from an artificial language.
granamelke means big tree
pinimelke means little tree
melkehoon means tree house
Which word could mean "big house"?
(a) Granahoon (b) Pinishur
(c) Pinihoon (d) Melkegrana

10. In a family there are wife, two sons and two daughters. All the ladies were invited to a dinner. Both sons went out to play. Husband did not return from office. Who at home?
- (a) Only wife was at home
 (b) All ladies were at home
 (c) Only sons were at home
 (d) No body was at home

SECTION-B (PHYSICS)

11. Krish conducted an experiment with sticks. The pictures below were drawn from his observations of the Sun's movement across the sky. Which picture shows the time of the day when Sun was highest in the sky?

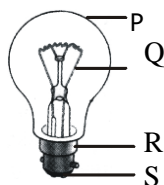


12. A student rubbed a piece of silk over a balloon filled with air. The student put the balloon and the piece of silk down on a table.



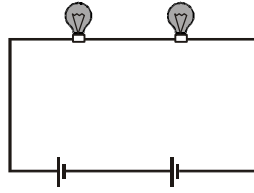
Which will most likely happen when the student moves the balloon near the silk?

- (a) The balloon will float towards the ceiling.
 (b) All ladies were at home
 (c) Only sons were at home
 (d) No body was at home
13. One side of a square chessboard is 24 inches long. The length of its other side is equal to
 (a) 1 foot
 (b) 2 feet
 (c) 12 feet
 (d) 24 feet
14. Ten coins were are above the other. Their total height was 4 cm and 6 mm. The thickness of each coin?
 (a) 4.0 mm
 (b) 4.5 mm
 (c) 4.6 mm
 (d) 46 mm
15. Statement-A : Rotation of earth on its axis is a periodic motion but it is not a rotatory motion.
 Statement-B: Motion of an engine piston is a translator motion.
 (a) Statement A is correct but statement B is incorrect
 (b) Statement A is incorrect out statement B is correct
 (c) Both the statement are correct
 (d) Both the statements are incorrect
16. Which part of the bulb is an insulator?



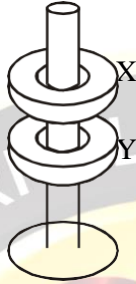
- (a) P
 (b) Q
 (c) R
 (d) S

17. Nidhi has two bulbs connected two cells in a simple circuit as shown. How can she make the bulbs glow dimmer?



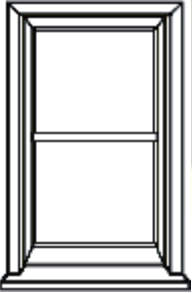
- (a) Replace one cell with a piece of chalk.
- (b) Replace one cell with a piece of wire.
- (c) Replace one bulb with a piece of wire.
- (d) Replace one bulb with another cell.


18. The figure shows a ring magnet X, 'floating' above another ring magnet Y. This is because.

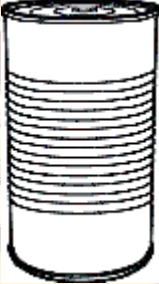


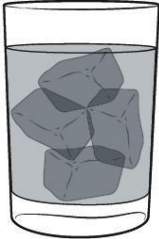
- (a) Magnet X is lighter than magnet Y.
- (b) Magnet Y is more powerful than magnet X.
- (c) The like poles of both magnets are facing each other and they repel each other.
- (d) The unlike poles of both magnets are facing each other and they attract each other.

19. Which object is most likely to be an opaque object?

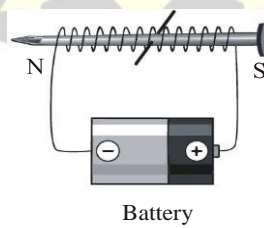
(a)  Glass Window

(b)  Glass Jar


(c)  Steel Can


(d)  Drinking Glass


20. Students built the electromagnet below.

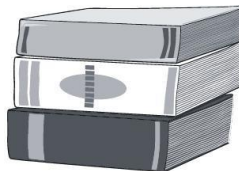


Which object would be attracted to the electromagnet?

(a)  Aluminum Can

(b)  Steel Paper Clip

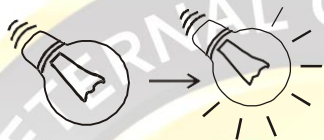
(c)  Wooden Spoon

(d)  Paperback Books

SECTION-C (CHEMISTRY)

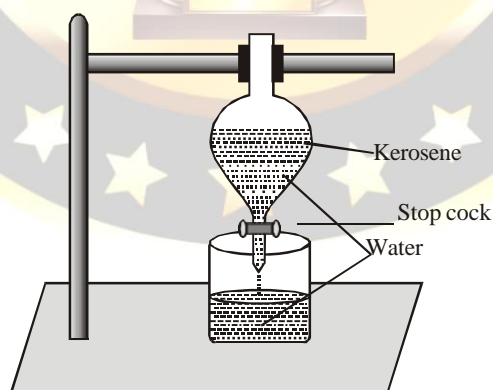
21. Metals can be beaten into thin sheets. This property is called:
- (a) Ductility (b) Elasticity
(c) Volatility (d) Malleability
22. Muslin cloth is used for:
- (a) Filtration (b) Sedimentation
(c) Decantation (d) Condensation
23. Which of the following combination is **INCORRECT**?
- (a) Boiling, 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)
24. The most essential property of a substance to be used as a cooking vessel is
- (a) Conductance of heat (b) Ductility
(c) Conductance of electricity (d) All of the above

25.



Lighting an electric is _____ change.

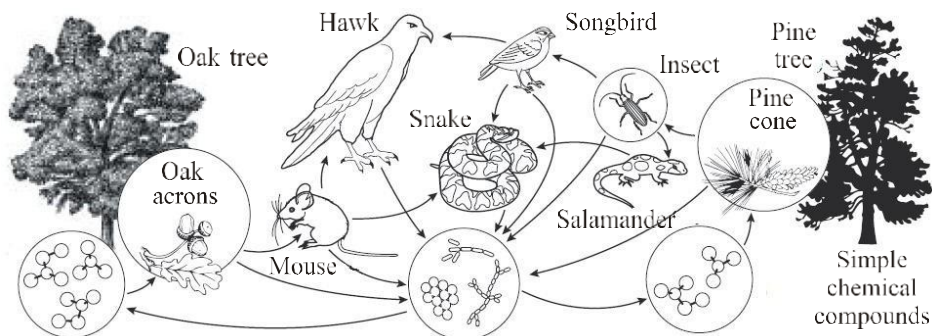
- (a) reversible (b) irreversible
(c) chemical (d) biological
26. Karan cuts a piece of wire and then to form pattern. Identify the change undergone by the wire.
- (a) Irreversible physical change (b) Reversible physical change
(c) Chemical change (d) Initially chemical change later physical change
27. Mohan observed formation of the green layer on a copper statue in his home. This formation is due to
- (a) Chemical change (b) Physical change
(c) Periodic change (d) Both 2 and 3
28. Which of the following mixture can be separated by given apparatus?



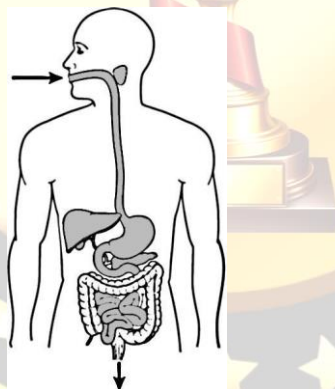
- (a) Sulphur and Carbondisulphide (b) Sugar and water
(c) Olive oil and water (d) Oxygen in water
29. If a cold steel plate is held in steam, water droplets can be seen on the plate. This change is called.
- (a) Evaporation (b) Boiling
(c) Melting (d) Condensation
30. When ammonium chloride is heated it turns directly into the vapor state. This process is called.
- (a) sublimation (b) condensation
(c) melting (d) freezing

SECTION-D (BIOLOGY)

31. The most common and simple carbohydrate is
 (a) Amino acid (b) Phospholipid
 (c) Maltose (d) Glucose
32. Which part of the leaf signifies the root system present in that plant?
 (a) Leaf petiole (b) Leaf lamina
 (c) Leaf venation (d) Leaf colour
33. A cactus is an example of
 (a) a biotic element found in a desert (b) an abiotic element found in a desert
 (c) a biotic element found in a rain forest (d) an abiotic element found in a rain forest
34. In this woodland food web, which organisms feed on the hawk?

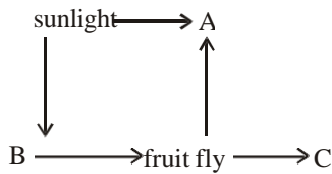


- (a) Bacteria and fungi (b) Insects and snakes
 (c) Songbirds and mice (d) Mice and salamander
35. The diagram below shows organs that enable humans to eat food and eliminate waste. Which system is represented in the diagram?



- (a) Circulatory (b) Endocrine
 (c) Digestive (d) Nervous
36. The part of a flower which is often scented and attracts insects
 (a) Petal (b) Sepal
 (c) Carpel (d) Ovary
37. Read the comprehension and fill in the gaps (A) and (B).
 From birth until about the age of eighteen, bones are forming and growing. As children grow, it is important that their diet includes a lot of(A).... It keeps your heart beating steadily. It keeps your blood, nerves and(B).... working correctly. It helps your blood to clot.
- (a) A – Magnesium, B – Hair (b) A – Iron, B – Nails
 (c) A – Iodine, B – Kidney (d) A – Calcium, B – Muscles
38. Which food items do you suggest to include in diet of a person suffering from bleeding of gums?
 (a) Amla (b) Guava
 (c) Both 1 and 2 (d) Milk

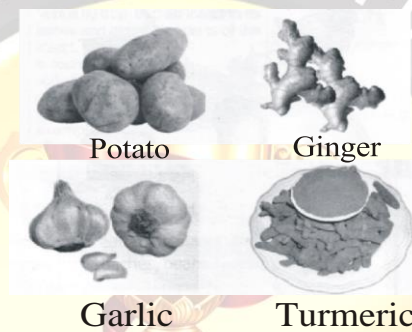
39. Study the food web below.



Which of the following groups would complete the above food web correctly ?

	A	B	C
(1)	Maize plant	Banana tree	Frog
(2)	Lily plant	Fern	Lizard
(3)	Venus fly	Jack fruit	Snake
(4)	Pitcher plant	Starfruit tree	Toad

40. The given pictures are the modified parts of _____ in plants. Observe the given pictures and choose the correct option.



- (a) Root
- (b) Leaf
- (c) Stem
- (d) Fruit

SECTION-E (MATHEMATICS)

41. $4\frac{7}{8} = ?$
- (a) 4.78
 - (b) 4.87
 - (c) 4.875
 - (d) None of these
42. 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) $72^\circ, 28^\circ, 90^\circ$
43. 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
44. $(-7) + (-9) + 12 + (-16) = ?$
- (a) -20
 - (b) 20
 - (c) -12
 - (d) 12
45. What do you mean by a regular quadrilateral?
- (a) A rectangle
 - (b) A rhombus
 - (c) A square
 - (d) A trapezium
46. 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

47. The smallest possible decimal fraction up to 3 decimal places is
 (a) 0.101 (b) 0.111
 (c) 0.001 (d) 0.011
48. Which of the following Roman numeral is not meaningful?
 (a) CI (b) C II
 (c) IC (d) XC
49. A man lost ₹ 500 in one transaction and gained ₹ 300 in another. Her net profit or loss is
 (a) profit ₹ 800 (b) loss ₹ 800
 (c) loss ₹ 200 (d) gain ₹ 200
50. A curve which begins and ends at the same point is called at____
 (a) closed curve (b) open curve
 (c) normal curve (d) definite curve

SECTION-F (ENGLISH)

51. Choose the similar meaning for the given word 'Huge'
 (a) Small (b) Tiny
 (c) Large (d) Macro
52. While driving, we_____ wear a helmet.
 (a) can (b) could
 (c) may (d) must
53. Choose the correct article:
 We live on_____ Earth.
 (a) an (b) a
 (c) the (d) none
54. Select the correct type of sentence:
 "Whose office room was dirty?"
 (a) Assertive (b) Imperative
 (c) Interrogative (d) Optative
55. Choose the opposite meaning for the given word 'Different'
 (a) Hardship (b) Clinique
 (c) Clear (d) Huge
56. Choose the correct form of verb:
 Rohit_____(play) a cricket match last year.
 (a) Plays (b) Played
 (c) is Playing (d) none
57. Which word will come first according to alphabetical order:
 (a) Disrespect (b) Divide
 (c) Danger (d) Door
58. What will be the correct passive voice for the following:
 Krish plays golf in the evening.
 (a) Golf are played by Krish in the evening (b) Golf is being played by Krish in the evening
 (c) Golf is played by Krish in the evening (d) No need to change
59. Identify the part of sentence of underlined word.
 Is Manav an intelligent student?
 (a) adjective (b) adverb
 (c) subject (d) verb
60. Choose the correct form of verb which agrees the subject:
 People_____ tea every day in the morning.
 (a) shall take (b) will take
 (c) take (d) takes