



Delhi Public School, Gandhinagar
OLYMPIAD MOCK TEST PAPER

Class V

SCIENCE

Date:


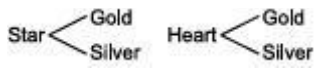

Time: 2 hours

M. Marks: 50

Name: _____ **Sec:** _____ **Roll No.:** _____

- How many vowels are there in IMMEDIATELY-
(A) 2
(B) 3
(C) 4
(D) 5
- Which of the following represent the sum of all vowels in the normal alphabetical order.
(A) 51 (B) 52 (C) 53 (D) 54
- Riya is selecting a bead for a necklace. Her choices of shapes and colours of bead are shown here. Which tree diagram shows all the possible combinations of 1 shape and 1 colour?



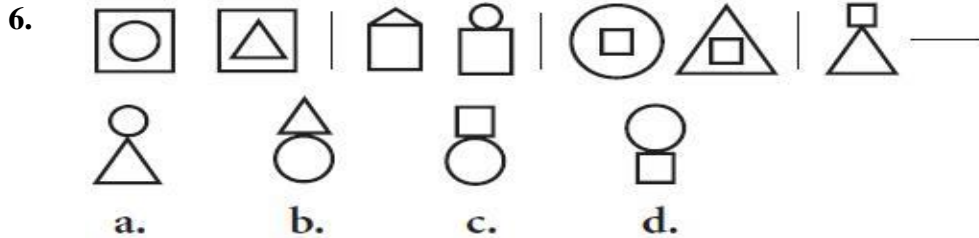
- (A) 
- (B) 
- (C) 

(E) None of the above

- If the letters of the word CASTROPHOBIC are rearranged in alphabetical order, which letter will be the left of the seventh letter?
(A) I (B) C (C) O (D) H

5. AZ, GT, MN, ?, YB

- (A)KF
- (B)RX
- (C)SH
- (D)TS



7. If in a certain language ENGLISH is coded as FOHMJTI, how is SCIENCE coded in that language?

- (A)TDJFOFD
- (B) LMNBTTG
- (C)DTJFODF
- (D) TDJFODF

8. If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?

- (A)DEQJQM
- (B) DCQHQK
- (C)EDRIRL
- (D) ESJFME

9. ?, SIY, OEU, KAQ, GWM, CSI

- (A) WNE
- (B) WNB
- (C) WNI
- (D) WMC

10. Identify the figure that completes the pattern.



(i) (ii) (iii) (iv)

1 2 3 4

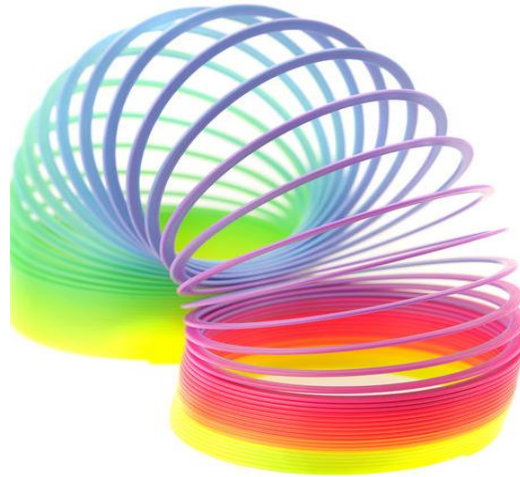


(a) (b) (c) (d)

11. Which of the following statements hold true regarding lever.

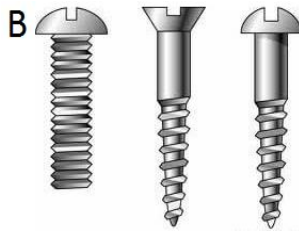
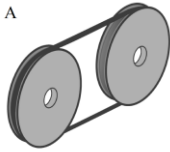
- (A)In first class lever load is located in the centre.
- (B) In first class lever fulcrum is located in the centre.
- (C) In first class lever effort is located in the centre.
- (D) In first class lever fulcrum is missing.

12. Which of the is a source of sound energy?
(A) Musical instrument (B) Sun (C) Tube light (D) Coal
13. The energy that an object gets from its position is
(A) Electrical energy (B) Chemical energy
(C) Kinetic energy (D) Potential energy.
14. Which force is shown here?

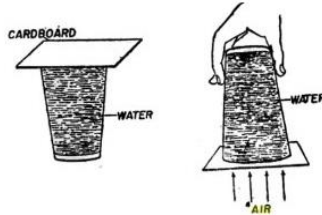


- (A) mechanical force (B) gravitational force (C) magnetic force (D) elastic force
15. Which of the following statements is true?
(A) Mechanical force can work without any physical touch.
(B) Magnetic force does not need any physical touch.
(C) Friction is more on a smooth surface.
(D) Elastic force breaks an object.
16. Which of the following is/ are a renewable source of energy?
i) sun, wind ii) sun, coal iii) wind, water iv) petrol, wind
(A) i, iii (B) ii, iv (C) i, ii (D) ii, iii
17. Which of these is also a fuel like petrol?
(A) Food eaten by a person.
(B) Water used for bathing.
(C) Air pumped in cycle tyre.
(D) Steam given out by pressure cooker.
18. In which layer of atmosphere weather changes take place?
(A) mesosphere (B) troposphere (C) stratosphere (D) exosphere

19 Which of them is a combination of two simple machines?



20. Which property of air is shown in the given picture.



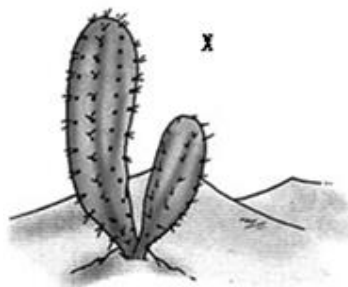
- (A) Air is needed for burning.
- (B) Air has weight.
- (C) Air occupies space.
- (D) Air exerts pressure.

21. Which of the following animals breathe through gills?



- (A) A and B
- (B) B and C
- (C) C and D
- (D) A and D

22.



Which of the following statements hold true regarding the given plants X and Y?

1. Plant X depends partly on animals for food but can also make its own food while plant Y cannot make its own food.
2. In plant X, food is prepared by the green stem, whereas plant Y obtains its food from dead and decaying plants and animals.
3. Plant X has chlorophyll while plant Y does not contain chlorophyll and is non-green.
4. Plant X and plant Y have patches of green colour. Only green part of their leaves performs photosynthesis.

- (A) 1, 3 and 4
- (B) 2 and 3
- (C) 1 and 4
- (D) 3 and 4

23. Rita wanted to measure how fast different insects can crawl. She must have a ruler to help her find the speed. What other tool does she need to use?

- (A) a clock with a second hand
- (B) a fan with different speeds
- (C) a long stick with a brush on the end
- (D) a thermometer with degrees Celsius

(A) A only (B) Only A and C (C) Only B and C (D) Only A, B and C

24. Read the following features of some planets of our solar system.

- (1) Boiling hot by day and freezing cold at night.
- (2) Largest and fastest spinning planet.
- (3) Wider than 11 Earths side by side.
- (4) Its rings are made up of ice, rocks and dust.

Identify and choose correct answer.

- (A) 1- Venus, 2- Jupiter, 3- Saturn, 4- Uranus
- (B) 1- Mercury, 2- Jupiter, 3- Venus, 4- Mars
- (C) 1- Mercury, 2- Jupiter, 3- Jupiter, 4- Saturn
- (D) 1- Venus, 2- Neptune, 3- Mars, 4- Saturn





25. Which of the following would best tell you if something is a living thing?

- (A) It feels soft.
- (B) It is green.
- (C) It produces offspring.
- (D) It soaks up water

26. An onion is actually the ___ of a plant.

- (A) Stem
- (B) Root
- (C) Flower
- (D) Leaf

27. Medulla is a part of which of the following organs of our body?

- (A) 
- (B) 
- (C) 
- (D) 

28. Which of the following we should not do in case of a fire caused by electricity?

- (A) Switch off the electricity mains.
- (B) Throw sand and mud on the fire.
- (C) Throw water on the fire.
- (D) Use a fire extinguisher to put off the fire.

29. Look at the following figure and choose the incorrect option.



- (A) It is a skull which protects our brain.
- (B) It is made up of forty bones interlocked together.
- (C) It is a part of our skeletal system.
- (D) None of these.

30. Which one of the following statements is correct about a landfill?

- (A) A landfill is used to manage the waste.
- (B) A landfill should be constructed near a residential or agricultural areas.
- (C) A landfill is used to harvest rainwater.
- (D) A landfill is a place where wild lives are kept in protection.

31. Which one of the following substances is insoluble in water?

- (A) Salt
- (B) Sugar
- (C) Wax
- (D) Oxygen

32. The moon takes about a _____ to circle the earth once.

- (A) Day
- (B) Week
- (C) Month
- (D) Year

33. In which of the following cases work is not done?

- (A) When we throw a stone in air.
- (B) When we hit a ball with a bat and the ball moves to a distance of 50 m.
- (C) When we kick a football and the football moves to a distance of 13 m.
- (D) None of these

34. Match the following:

(A)	Limestone	(I)	Gneiss
(B)	Shale	(II)	Slate
(C)	Granite	(III)	Quartzite
(D)	Sandstone	(IV)	Marble

- (A) A - III, B - II, C - I, D - IV
(B) A - IV, B - I, C - II, D - III
(C) A - IV, B - II, C - I, D - III
(D) A - IV, B - III, C - I, D - II

35. Group the seeds of following plants as dicot seeds and monocot seeds correctly.

Grams, wheat, peas, rice, maize, beans

- (A) Dicot seeds: grams, peas, beans; Monocot seeds: wheat, rice, maize.
(B) Dicot seeds: wheat, rice, maize; Monocot seeds: grams, peas, beans.
(C) Dicot seeds: grams, maize, beans; Monocot seeds: wheat, rice, peas.
(D) Dicot seeds: wheat, rice, beans; Monocot seeds: grams, peas, maize.

36. Complete the following paragraph with the correct combination of words-

Anaemia is caused by the deficiency of a in the food. In anaemia, the b in the blood becomes low. So, the oxygen-carrying capacity of blood c .

- (A) a-vitamin C, b-iron, c-increases
(B) a-calcium, b-platelets, c-reduces
(C) a-iron, b-hemoglobin, c-reduces
(D) a-iron, b-vitamin A, c- increases

37. Who of the following is/are correct?

P: Spider is an insect.
Q: Octopus is a mammal.
R: Crab is an amphibian.
S: Alligator is a reptile.

- (A) Only P
(B) Only S
(C) P, Q and S
(D) P, Q and R

38. Which of the following mixtures can be separated by using a filter paper?

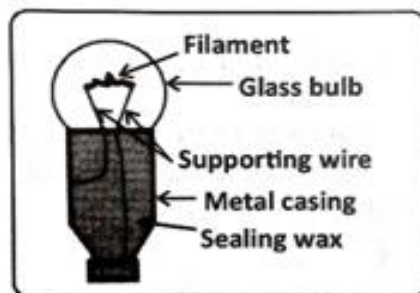
- (A) Vinegar & water
(B) Salt & water
(C) Sand & Water
(D) Sugar & water

39. Why do you feel cool after you start sweating?

- (A) Evaporation of water droplets.
- (B) Condensation of water droplets.
- (C) Freezing of water droplets.
- (D) Solidification of salts in the water droplets.

40. Look at the figure shown below:

Why is sealing wax filled in the space between the terminals of a bulb?



- (A) To prevent the escape of air inside the bulb.
- (B) To prevent the contact between the two terminals.
- (C) To have a better contact of terminals with one another.
- (D) To give support to the supporting wires holding the filament.

41. Which of the following has an organic origin?

- (A) Sand
- (B) Bakelite
- (C) Nylon
- (D) Coal.

42. Who discovered the circulation of blood?

- (A) Edward Jenner
- (B) William Harvey
- (C) Hargobind Khorana
- (D) Louis Pasteur.

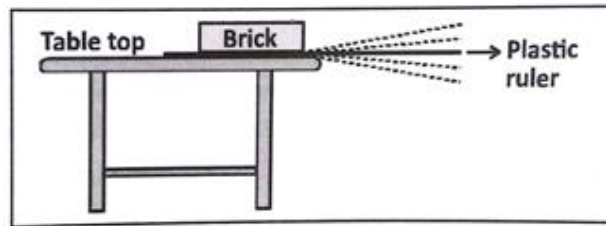
43. The tail of a comet always points towards the Sun.

- (A) False
- (B) True
- (C) Cannot say
- (D) Sometimes true, sometimes false

44. Which of the following is necessary for burning (combustion)?

- (A) Oxygen
- (B) Petrol
- (C) Carbon
- (D) Nitrogen.

45. If you dissolved a lot of salt in some water in a large flat dish and put the dish in bright sunlight on a hot day, what would be left in the dish after a long time?
- (A) Dry salt
(B) Water with no salt
(C) The same salty water as before
(D) Nothing
46. Which is usually NOT a reason why foods are processed?
- (A) More nutritious
(B) Easier to package.
(C) Last longer on the shelf.
(D) Easier to transport to the store.
47. On what factors does the choice of a length-measuring device depend?



- (A) The type of measurement.
(B) The type of device.
(C) The type of surface
(D) The type of metric system.
48. By which method is wheat flour separated from wheat bran?
- (A) Winnowing
(B) Hand picking
(C) Filtration
(D) Sieving
49. Plant: Flora :: Animals: _____.
- (A) Herbivores
(B) Decomposers
(C) Fauna
(D) Carnivores
50. Which of the following is not a type of organism in the food chain?
- (A) Producer
(B) Consumers
(C) Decomposer
(D)Survivors

ANSWER KEY

1.(D)	2. (A)	3. (A)	4. (A)	5. (C)	6. (C)	7. (D)	8. (C)	9. (D)	10. (C)
11. (B)	12. (A)	13. (D)	14. (D)	15. (B)	16. (A)	17. (A)	18. (B)	19. (B)	20. (D)
21. (B)	22. (B)	23. (A)	24. (A)	25.(C)	26.(A)	27.(D)	28. (C)	29. (B)	30. (A)
31. (C)	32. (C)	33. (D)	34. (C)	35. (A)	36. (C)	37. (B)	38. (C)	39. (A)	40. (B)
41. (D)	42. (B)	43. (A)	44. (A)	45. (A)	46. (A)	47. (A)	48. (D)	49. (C)	50. (D)