

O. P. JINDAL SCHOOL, SAVITRI NAGAR

Annual Examination (2022 – 2023)

Class / Section: IV _____

MM:80

Subject: Science

Time: 2 hr

Name _____

Roll No.: _____

Invigilator's Sign: _____

(Fifteen Minutes Extra will be given for reading the Question Paper.)

General Instructions:

- The question paper comprises of five sections A, B, C, D and E. There are 24 questions in the question paper. All questions are compulsory.
 - Section A, question no. 1 is of MCQ type carrying 1 mark each.
 - Section B, question no. 2 and 3 are of case-based and carrying 4 marks each.
 - Section C, question no. 4 to 12 are very short answer type and carrying 2 marks each.
 - Section D question no. 13 to 21 are short answer type and carrying 3 marks each.
 - Section E question no. 22 to 24 are long answer type and carrying 5 marks each
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(Section-A)**Q-1. Tick the correct option-**

- (i) Which of these is insoluble in water?
- a) Salt b) Oil paint c) Glucose d) Sugar
- (ii) Bits of unburnt matter given out by something that in burning is called _____.
- a) Dust b) Smog c) Soot d) None of these
- (iii) Which of these is a natural source of light?
- a) The Sun b) A solar lamp c) A candle d) Bulb
- (iv) 100 c.m.= _____
- a) 1metre b) 1 kilometre c) 1 milli meter d) 1 Decimetre
- (v) The amount of matter an object contains is called _____.
- a) Balance b) Standard weight c) Temperature d) Mass
- (vi) All bodies pull all other bodies with _____ force.
- a) Gravitational b) Nonmagnetic c) Magnetic d) All of these
- (vii) Things that are not attracted by magnet are called _____.
- a) Magnetic b) Nonmagnetic c) Both a and b d) Metallic

(viii) Metal is used in thermometer-

- a) Mercury b) Iron c) Copper d) Steel

(ix) Magnetic force is a _____ force.

- a) Contact b) Non-contact c) Gravitational d) Ordinary

(x) Friction acts in a direction _____ to the motion it tries to stop.

- a) Same b) Opposite c) Parallel d) Down side

(xi) The sun and the moon exert _____ force.

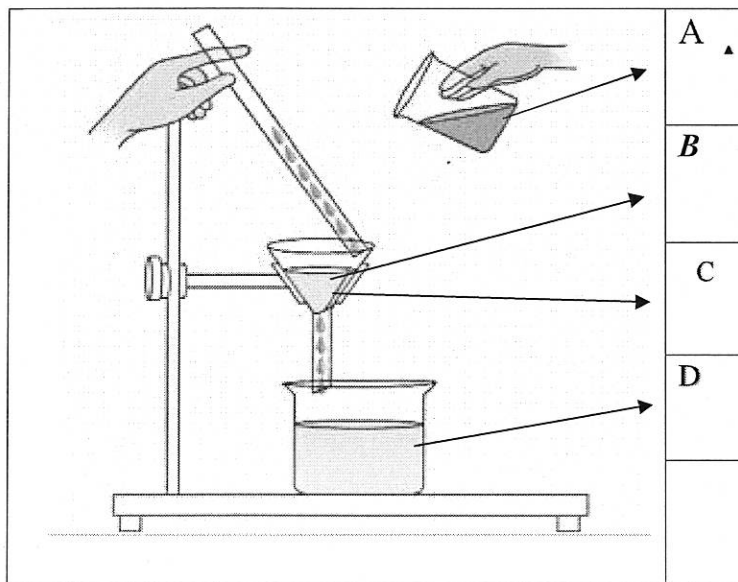
- a) Contact b) Nonmagnetic c) Magnetic d) Gravitational

(xii) The lead of pencil is made of _____.

- a) Steel b) Graphite c) Iron d) Nickle

(Section-B)

Q-2. Observe the diagram, and tick the correct answers. (Case based)-



(i) In the diagram the D part is showing-

- a) Muddy water b) Clear water c) Filter paper d) Funnel

(ii) Filtration is a way of separating _____ things from a watery mixture.

- a) Soluble b) Mixed c) Insoluble d) All of these

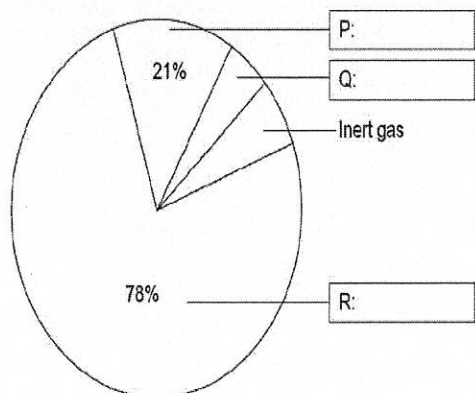
(iii) In the diagram the A part is showing-

- a) Muddy water b) Clear water c) Filter paper d) Funnel

(iv) Above picture shows _____ process.

- a) Sedimentation b) Decantation c) Filtration d) All of these

Q-3. Observe the diagram and tick the correct answers. (Case based)-



- (i) Air occupies _____.
- a) Space b) Weight c) Smell d) Vapour
- (ii) Air can be _____.
- a) Squeezed b) Compressed c) Tasted d) None of these
- (iii) In above picture part P is showing _____ gas.
- a) Nitrogen b) Oxygen c) Water vapour d) Carbon dioxide
- (iv) In the above picture 78% is _____ gas.
- a) Nitrogen b) Oxygen c) Water vapour d) All of these

(Section-C)

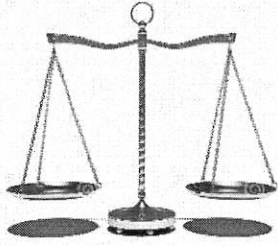
Q-4. Which behaviour of light makes day and night possible?

Ans- _____

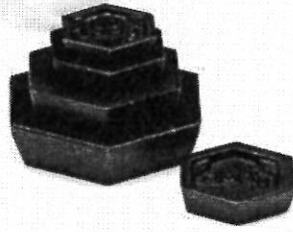
Q-5. What is reflection? Name two man made sources of light.

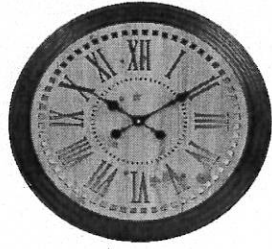
Ans- _____

Q-6. Identify the picture and write their names



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Q-7. What are two main types of forces?

Ans- _____

Q-8. What is standard weight?

Ans- _____

Q-9. Write the name of two metals that are attracted by magnets.

Ans- _____

Q-10. Why does a ball not continue to roll forever?

Ans- _____

Q-11. Name two things we use to reduce friction.

Ans- _____

Q-12. What is friction?

Ans- _____

(Section -D)

Q-13. Draw a well labelled diagram to show how water circulates in the air .

Q-14. How does air pollution harm buildings?

Ans- _____

Q-15. Why are children and the elderly more affected by air pollution?

Ans- _____

Q-16. What is solubility?

Ans- _____

Q-17. Water is an excellent solvent. How is this useful? Write any three uses.

Ans- _____

Q-18. How is salt made from seawater?

Ans- _____

Q-19. Why is it not possible to see a light source that is behind us?

Ans- _____

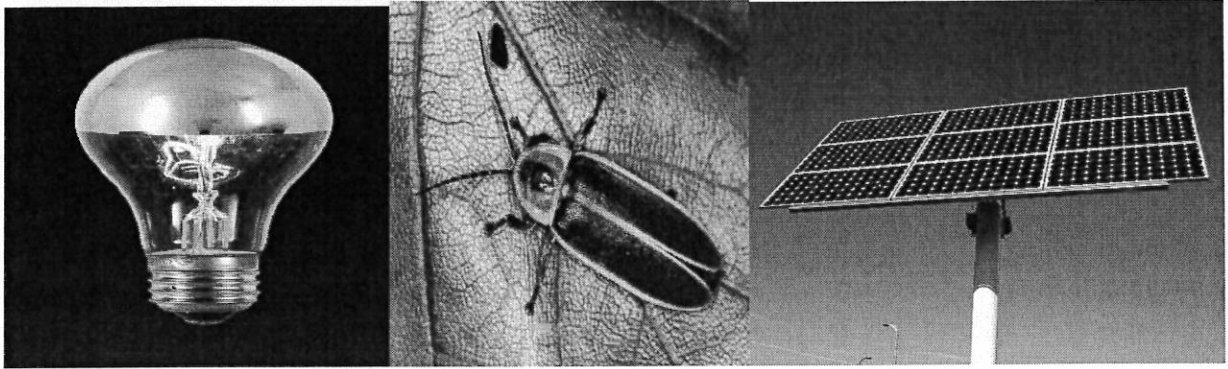
Q-20. How many parts does a measurement have? What are they?

Ans- _____

Q-21. Draw and label the diagram of thermometer.

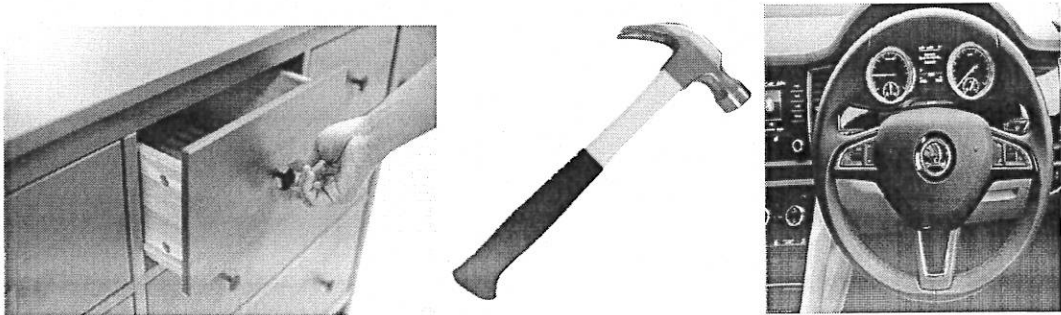
(Section-E)

Q-22.(i) Identify the pictures and write their name.



(ii) Draw the diagram of rainbow. (Hint-VIBGYOR)

Q-23.(i) Look at the picture and say whether the force is push or pull or both.



(ii) Mention any three uses of magnets in everyday life.

Ans- _____

Q-24. (i) Mention any two cases in which we can increase friction.

Ans- _____

(ii) How does friction help a vehicle move forward as well as stop?

Ans- _____

