KOTHARI INTERNATIONAL SCHOOL, NOIDA

TERM END ASSESSMENT, SESSION: 2024-25

GRADE: 6 SUBJECT: SCIENCE

SET A

SECTION A (OBJECTIVE)

DAY & DATE: WEDNESDAY - FEBRUARY 19, 2025

MAXIMUM MARKS: 20 **TIME ALLOTTED: 20 MINUTES**

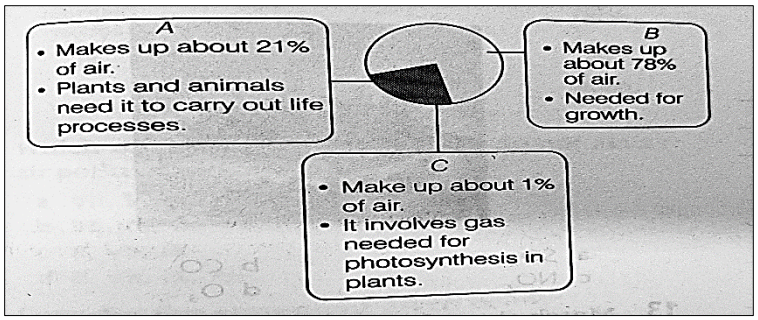
NAME: _____ **ROLL NO: _____**

GENERAL INSTRUCTIONS:

i. This question paper consists of 4 pages and contains 16 questions.
ii. Read the question carefully and then attempt it.
iii. All questions are compulsory.

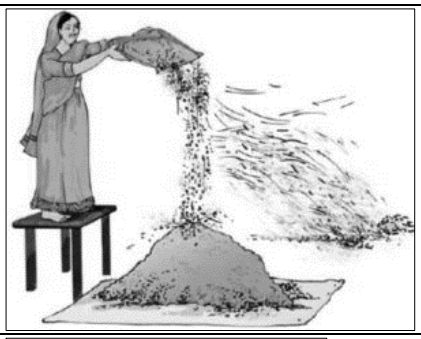
Choose the correct option :

Q1. **Air is made up of a mixture of gases which is shown in the form of a pie chart. Identify A, B and C.** (1)

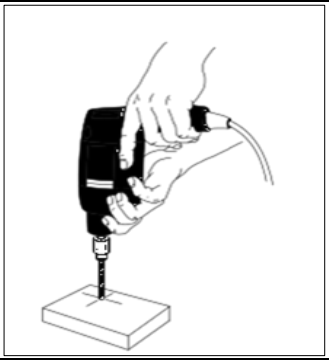


Codes

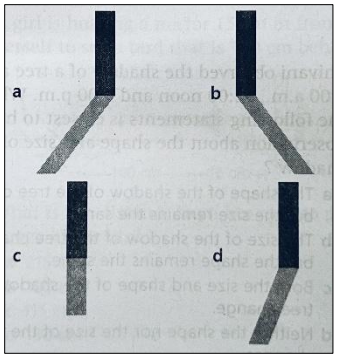
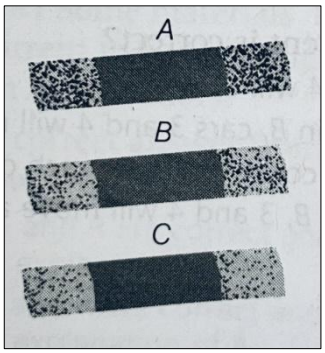
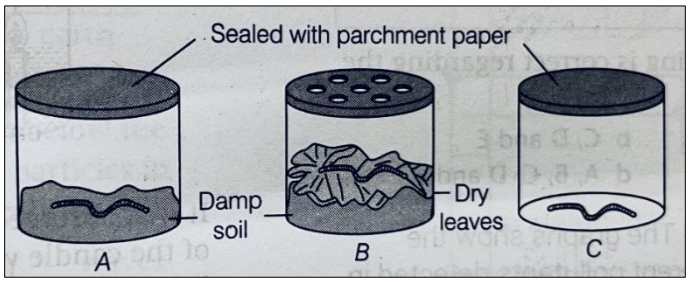
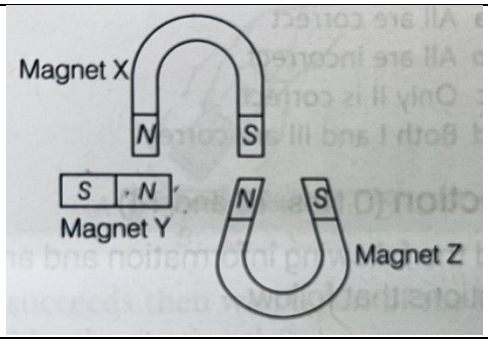
	A	B	C
a)	Nitrogen	Oxygen	Carbon dioxide, rare gases and water vapour
b)	Oxygen	Nitrogen	Carbon dioxide, rare gases and water vapour
c)	Oxygen	Carbon dioxide	Nitrogen, rare gases and water vapour
d)	Nitrogen	Oxygen	Carbon monoxide, rare gases and water vapour

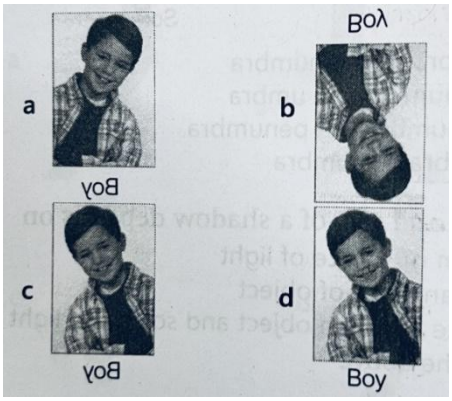
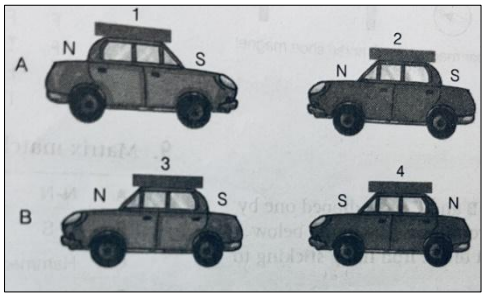
Q2.  **The technique shown in the image on left is used for separating wheat from husk because_____.** (1)

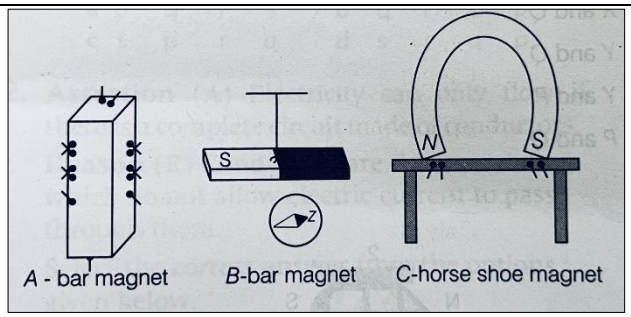
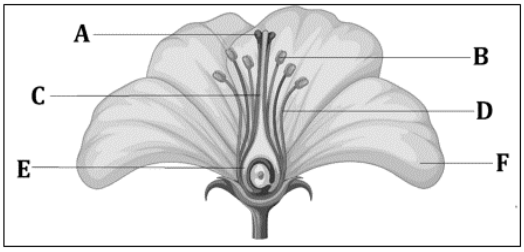
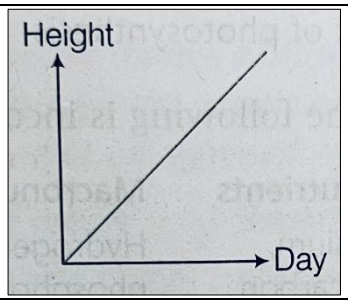
a) husk is heavier than wheat.
b) husk is soluble in water
c) husk is an undesirable substance.
d) wheat is heavier than husk.

Q3.  **Raju, who is a carpenter is boring holes in wooden planks using a drill machine. Which type of motion did the drill machine describe?** (1)

a) Circular and oscillatory motion
b) Rotatory and rectilinear motion
c) Rotatory and circular motion
d)Rotatory and oscillatory motion

Q4.	 **The size and shape of the shadow change with time. Which of the following figure depicts that the girl is standing in afternoon time?** a) A b) B c) C d) D	(1)
Q5.	 **Three magnets A, B and C were dipped one by one in a heap of iron filing. The figure below shows the amount of the iron filing sticking to them.** **The strength of these magnets will be** a) A > B > C b) A< B < C c) A = B = C d) A < B > C	(1)
Q6.	**Roshni conducted an experiment to find out which type of habitat is most suitable for earthworms. Her experimental set-ups are as.** **After two weeks in which of the containers will she find the earthworm still alive?**  a) Only A b) Only B c) A and C d) A,B and C	(1)
Q7.	**Reena wants to boil rice for lunch. She soaks rice in water. She finds that the water above rice level has become opaque. This is because_____.** a) the dust and soil get temporarily suspended in water b) rice leaves colour in water c) the water used was dirty d) All of the above	(1)
Q8.	 **Observe the diagram shown below which consists of two horse shoe magnets and one bar magnet.** **Which statement is true about the following arrangement?** a) Magnet X will repel magnet Z. b) Magnet Y will repel magnet Z. c) Magnet X will be attracted to Y. d) Magnet Z will be attracted to Y.	(1)
Q9.	**Rohan travelled by car to Mumbai. He travelled 292 km in first 3 h, then he started driving his car faster and travelled 400 km in next 4 h. How far did he travel in 7 h?** a) 108 km b)692 km c) 984 km d) 1184 km	(1)

Q10.	**Consider the following statements and choose the correct option.** **I. Hammering a magnet enhances its magnetism.** **II. Heating a magnet enhances its magnetism.** **III. A magnet being dropped from a height enhances its magnetism.** **Codes** a) All are correct. b) All are incorrect. c) Only II is correct. d) Both I and III are correct.	(1)
Q11.	 **A boy looks into the mirror as shown in the given picture.** Which of the following options shows the correct reflection of the boy on the mirror? a) A b) B c) C d) D 	(1)
Q12.	**Consider the following diagrams.** **Based on the given diagram which of the following statement is correct?**  a) In A, Cars 1 and 2 will come closer and in B, cars 3 and 4 will come closer. b) In A, cars 1 and 2 will move away from each other and in B, cars 3and 4 will move away. c) In A, cars 1 and 2 will move away and in B, 3 and 4 will come closer to each other. d) In A, cars 1 and 2 will come closer to each other and in B, 3 and 4will move away from each other.	(1)
Q13.	Each question consists of two statements, namely Assertion (A) and Reason (R). For selecting the correct answer use the following code: (Please write the correct option in the box. Do not write the full sentence.) (a) Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A). (b) Both Assertion (A) and Reason (R) are the true but Reason (R) is not a correct explanation of Assertion (A). (c) Assertion (A) is true and Reason (R) is false. (d) Assertion (A) is false and Reason (R) is true. (e) Both Assertion (A) and Reason (R) are false.	(5)

	(i) Assertion (A): New cars are less polluting than older ones. **Reason (R):** They are fitted with a device that changes the exhaust gases into nitrogen. **(ii) Assertion (A):** A moving merry-go-round shows both rotational as well as circular motion. **Reason (R) :** In circular motion, an object as a whole travels along a circular Path but in rotational motion, the object spins on its axis. **(iii) Assertion (A):** The window panes are generally made of transparent glass. **Reason (R):** The transparent objects do not allow the light to pass through them. **(iv) Assertion (A):** Magnets are used to separate iron and steel from nickel. **Reason (R):** Materials which are attracted by a magnet are known as magnetic materials example iron. **(v) Assertion (A):** Plants have a tendency to prepare their own food. **Reason (R):** Plants perform a process called transpiration.	
Q14.	 **Which of the following diagrams shown below correctly shows the properties of magnets?** a) A and B b) A and C c) B and C d) A,B and C	(1)
Q15.	 **From the given image, identify the parts that form the pistil of a flower.** a) A,B,C b) B,D,F c) A,C,E d) D,E,F	(1)
Q16.	 **The graph shows the growth of a bean seed over a period of time. Which of the following is true?** a) The bean plant is dying. b) The bean plant is growing at a 45 angle. c) The bean plant is growing strong and healthy. d) The bean plant remains at the same height over the period of time.	(1)