

ROLL NO.	
NAME	
SECTION	

**APEEJAY SCHOOL,
CLASS – VII
SCIENCE**

TIME ALLOWED – 15 MIN

MAXIMUM MARKS: 10

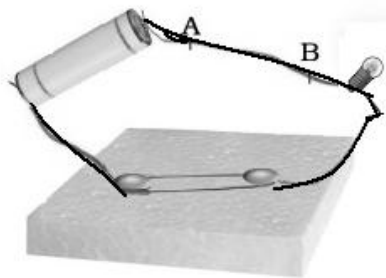
1. The most suitable material for making the core of an electromagnet is

- a) Iron
- b) Brass
- c) Aluminium
- d) Steel

2. Which soil has the highest water holding capacity?

- a) Sandy soil
- b) Clayey soil
- c) Loam
- d) Gravel

**3. Electric current is passed through a copper wire AB as shown in the diagram
What effect will it have on a compass needle brought near it?**



- a) Compass needle will show deflection
- b) Compass needle will not show deflection
- c) The compass needle will become red hot
- d) The compass needle will break

4. Ram is standing 5m away from the plane mirror. If he moves 2m towards the mirror, what will be the distance between Ram's image and the mirror?

- a) 3m
- b) 6m
- c) 2m
- d) 7m

5. Who discovered magnetic effect of electric current?

- a) Joule
- b) Maxwell
- c) Oersted
- d) Newton

6. Identify the plant that vegetatively propagates through leaves.

- a) Potato
- b) Rose
- c) Bryophyllum
- d) Jasmine

7. Mature ovary forms

- a) Seed
- b) Flower
- c) Fruit
- d) Both a and c

8. If a image cannot be obtained on the screen, it must be

- a) Real
- b) Virtual
- c) Imageless
- d) None of the above

9. They help to increase the surface area of root for absorption of water and minerals

- a) Xylem
- b) Root hair
- c) Phloem
- d) Both a and b

10. Presence of which one of the following makes the soil fertile?

- a) Clay
- b) Silt
- c) Humus
- d) Sand

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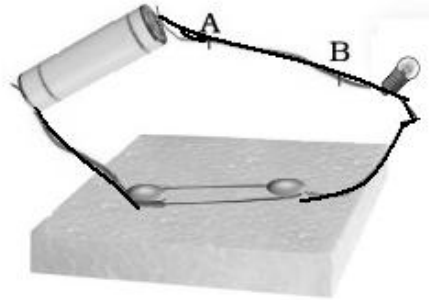
APEEJAY SCHOOL

CLASS – VII

TIME ALLOWED – 15 MIN

MAXIMUM MARKS: 10

**1. Electric current is passed through a copper wire AB as shown in the diagram
What effect will it have on a compass needle brought near it?**



- a) **Compass needle will show deflection**
 - b) **Compass needle will not show deflection**
 - c) **The compass needle will become red hot**
 - d) **The compass needle will break**
- 2. Which of the following is not the constituent of Loamy Soil?**
- a) **Sand**
 - b) **Clay**
 - c) **Stone**
 - d) **Silt**
- 3. The earthworm breathes through**
- a) **Gills**
 - b) **Lungs**
 - c) **Moist Skin**
 - d) **Spiracles**
- 4. Sita is standing 4m away from the plane mirror. If she moves 2m towards the mirror, what will be the distance between Sita and her image in the mirror?**
- a) **4m**
 - b) **3m**
 - c) **2m**
 - d) **8m**

5. If the number of turns in the coil of an electromagnet is more, then the strength of the electromagnet will be

- a) Greater**
- b) Lesser**
- c) Same**
- d) Double**

6. Mature ovary forms

- a) Seed**
- b) Flower**
- c) Fruit**
- d) Both a and c**

7. They help to increase the surface area of root for absorption of water and minerals

- a) Xylem**
- b) Phloem**
- c) Root hair**
- d) Both a and c**

8. Which of the following is not a forest product?

- a) Gum**
- b) Plywood**
- c) Sealing wax**
- d) Kerosene**

9. Who discovered magnetic effect of electric current?

- a) Joule**
- b) Maxwell**
- c) Oersted**
- d) Newton**

10. Identify the plant that vegetatively propagates through leaves.

- a) Bryophyllum**
- b) Rose**
- c) Potato**
- d) Jasmine**

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**APEEJAY SCHOOL
CLASS – VII
SCIENCE**

TIME ALLOWED – 15 MIN

MAXIMUM MARKS: 10

1. If the number of turns in the coil of an electromagnet is more, then the strength of the electromagnet will be

- a) Greater
- b) Lesser
- c) Same
- d) Double

2. Presence of which one of the following makes the soil fertile?

- a) Clay
- b) Silt
- c) Humus
- d) Sand

3. Who discovered magnetic effect of electric current?

- a) Oersted
- b) Maxwell
- c) Joule
- d) Newton

4. Neha is standing 6m away from the plane mirror. If she moves 1m towards the mirror, what will be the distance between Neha's image and the mirror?

- a) 5m
- b) 10m
- c) 2m
- d) 7m

5. Mature ovary forms

- a) Seed
- b) Flower
- c) Fruit
- d) Both a and c

6. They help to increase the surface area of root for absorption of water and minerals

- a) Xylem
- b) Phloem
- c) Root hair
- d) Both a and c

7. If a image cannot be obtained on the screen, it must be

- a) Real
- b) Virtual
- c) Imageless
- d) None of the above

8. Identify the plant that vegetatively propagates through leaves.

- a) Potato
- b) Bryophyllum
- c) Rose
- d) Jasmine

9. The earthworm breathes through

- a) Gills
- b) Lungs
- c) Moist Skin
- d) Spiracles

10. Which of the following is not a forest product?

- a) Gum
- b) Plywood
- c) Sealing wax
- d) Kerosene

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APEEJAY SCHOOL
CLASS – VI
SCIENCE

TIME ALLOWED – 2HR 45 MIN

MAXIMUM MARKS: 80

General Instructions:

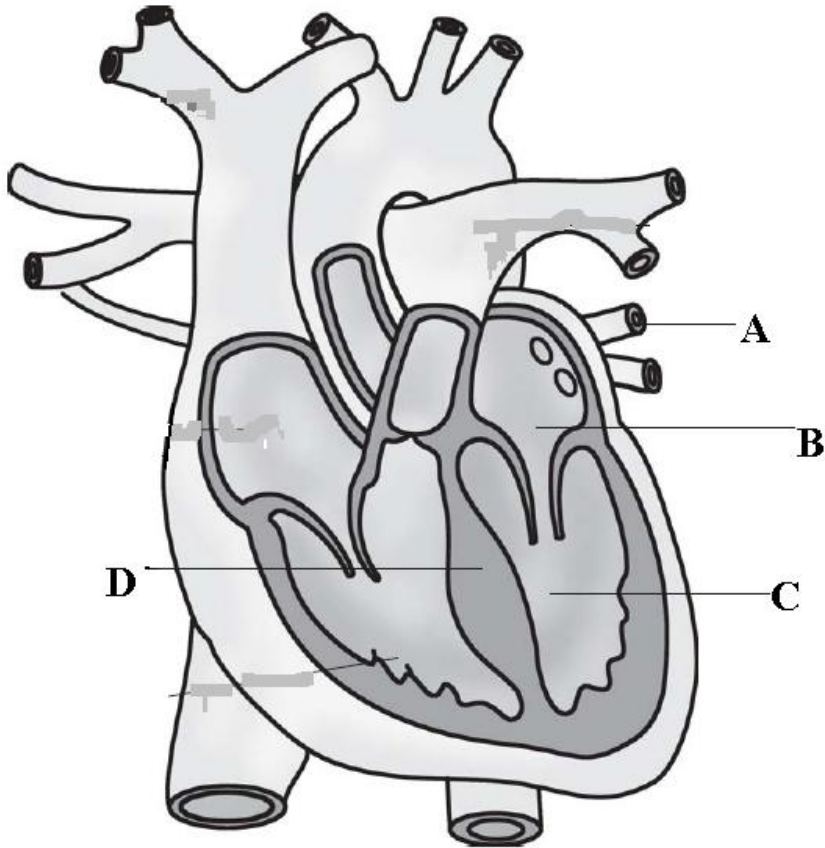
1. Marks for each question are indicated against it.
2. Attempt all the questions in proper sequence.
3. Draw neat diagrams wherever required

1.	Answer the following questions.	(1x 10 = 10)
i.	What type of soil is required for growing Paddy?	
ii.	Name an organism which breathes through its skin as well as the lungs.	
iii.	What conclusion can be drawn from Newton's Disc?	
iv.	Define pollination.	
v.	Draw the symbol for the following: a) Switch in 'ON' position b) An electric Bulb	
vi.	What is the function of contact screw in an electric bell?	
vii.	Name the process of seeping water into the soil.	
viii.	Name any two water borne diseases.	
ix.	Name the instrument used to amplify the sound of human heart.	
x.	What will happen if there are no platelets in our blood?	
2.	Explain what would happen if a potted plant is over watered?	(½ + 1 ½)
3.	An electrician is carrying out some repairs in your house. He wants to replace a fuse by a piece of wire. Would you agree? Give reasons for your response.	(½ +1 ½)
4.	What is the relationship between your heart beat and pulse rate?	2
5.	Calculate the rate of percolation if it takes 45 min for 180ml water to percolate through the given soil sample.	(1+ 1)
6.	What is the use of pumping air into the clarified water in a waste water treatment plant? Why it is done?	(1+ 1)
7.	Write any two advantages of vegetative propagation in plants.	(1+ 1)
8.	Name the mirror which is a) Used in headlights of a car b) Used by dentists to see enlarged image of the tooth c) Used as rear view mirror in vehicles	(1/2+1/2+1/2+1/2)

	d) Used in dressing table	
9.	Explain as to why breathing rate of a person increases while doing heavy exercise?	(2)
10.	What is drip irrigation?	(1+ 1)
11.	Name the red pigment present in our blood. What is its function?	(1+ 1)
12.	Which layer of soil profile support the growth of plants? Mention any two characteristics of this layer.	(1+2)
13.	Write the word equation for the following: a) Anaerobic respiration in human muscle cells b) Anaerobic respiration in Yeast	(1½ + 1½)
14.	Name the vascular tissue which helps in transport of water and nutrients in plants. Explain how water reaches to leaves of tall trees?	(1+2)
15.	How are the seeds of following plants dispersed? Write the characteristic features of these seeds which help in their dispersal respectively. 1) Madar 2) Coconut 3) Xanthium	(1 + 1 +1)
16.	What are electromagnets? Give any two uses of electromagnets in our daily life.	(1+2)
17.	a) What kind of image is formed by a convex lens if an object is placed too close to it? b) What kind of image is formed by a concave lens?	(1½ + 1½)
18.	Name the method of asexual reproduction in Yeast. Represent it with the help of a well labelled diagram.	(1+2)
19.	a)What are decomposers? b) Give examples of any two decomposers. c) What role do they play in a forest?	(1+1+1)
20.	Give three differences between sandy and clayey soil.	(1+1+1)
21.	Give reason as to why water does not stagnate in forests after a heavy rainfall?	(3)
22.	a) What is the importance of the presence of tough protective coat in 1) Spores 2) Pollen Grains b) Give two examples of organisms which reproduce by spore formation. c) Draw a well labelled diagram to show the female reproductive part of a flower.	(2+1+2)
23.	a) What is a Diaphragm? b) What is the position of ribs and diaphragm during inhalation? c) Define Exhalation. What happens to the size of chest cavity during exhalation?	(1+2+2)

24.

a) Observe the diagram given below. Name the various parts labelled as A, B, C and D. (*Do not draw the diagram*) (2+2+1)



b) What is the function of the parts labelled as A and D respectively.

c) Give the location of human heart.

25.

Explain how the increased demand for construction of houses, shops, offices, roads and pavements affects the water table.

(5)