

Total No. of Questions: 10

Roll No. ....  
Total No. of Printed Pages: 4

**Class 8<sup>th</sup>**  
**Term II 2018**  
**Science**

**Series-B**

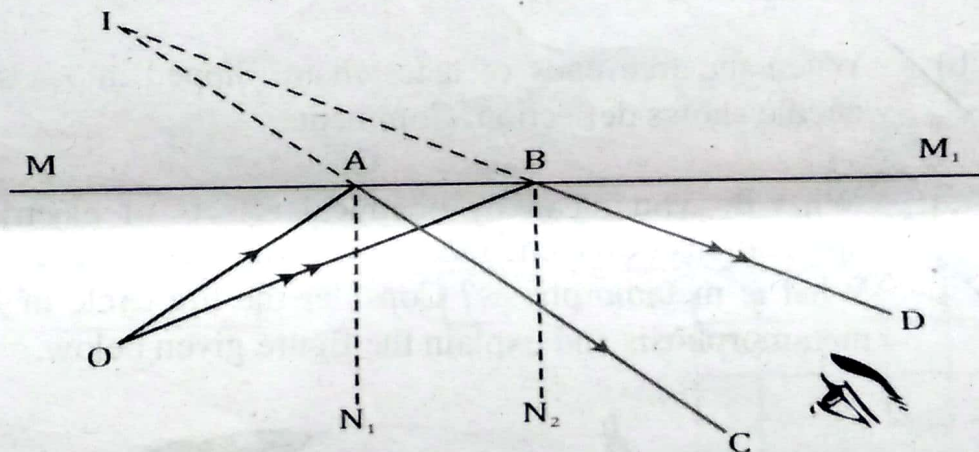
**Time: 2:30 Hrs.**

**Max. Marks 40**

**Long Answer Type Questions.**

Q1)

A source of light O is placed in front of a plane mirror  $MM_1$ . Two rays OA and OB are incident on it as shown in below diagram.  $N_1$  and  $N_2$  are two normal at A and B respectively. AC and BD are reflected rays at A and B respectively. By extending the reflected rays AC and BD backwards, they meet at I. The reflected rays do not actually meet at I, but appear to do so. Draw this diagram on your answer book and write the characteristics of the image I formed by the mirror  $MM_1$  in the table given below.



Characteristics of the image formed by Plane mirror (HINTS)	Write the Characteristics of the Image I formed by the Mirror $MM_1$
Real or Virtual	
Same size, Large size or Small Size	
Inverted, Erect or Laterally Inverted	
Distance of image behind the mirror is same, less or more than the distance of object in front of the mirror	

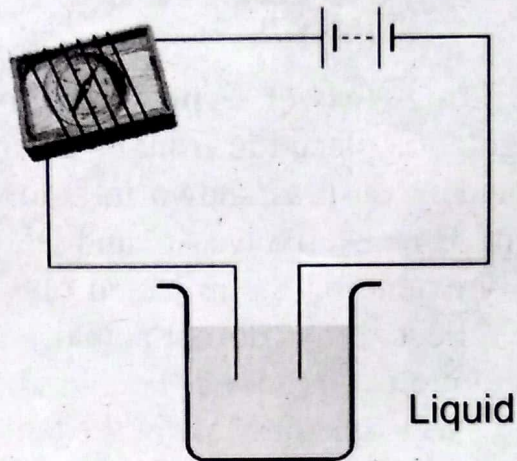


Or

The most popular resource for visually challenged persons which can make them read and write is Braille. What is a Braille System? When was the present Braille system adopted? How does it work?

**5 Marks**

- Q2) a) Name three liquids, which when tested in a manner shown in figure below, may cause a magnetic needle to deflect?



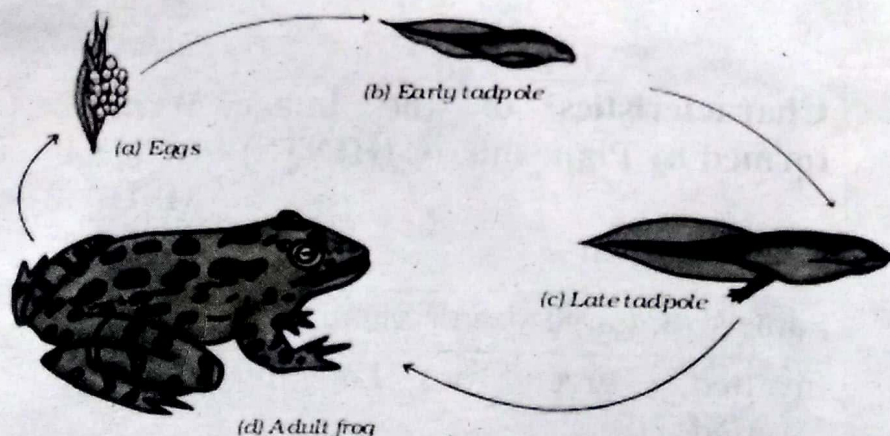
- b) When the free ends of a tester are dipped into a solution, the magnetic needle shows deflection. Comment.

Or

What do you mean by chemical effects of electric current? Write the applications of the chemical effects of electric current.

**5 Marks**

- Q3) What is metamorphosis? Consider the life cycle of frog as an example of metamorphosis and explain the figure given below.



Or

Discuss the development of embryo in human beings.

**5 Marks**



### Short Answer Type Questions.

- Q4) Write a brief speech on global warming that you have to make in your class. **3 Marks**
- Q5) Friction is a necessary evil. Comment. **3 Marks**
- Q6) Complete the cross-word puzzle using the hints given below.

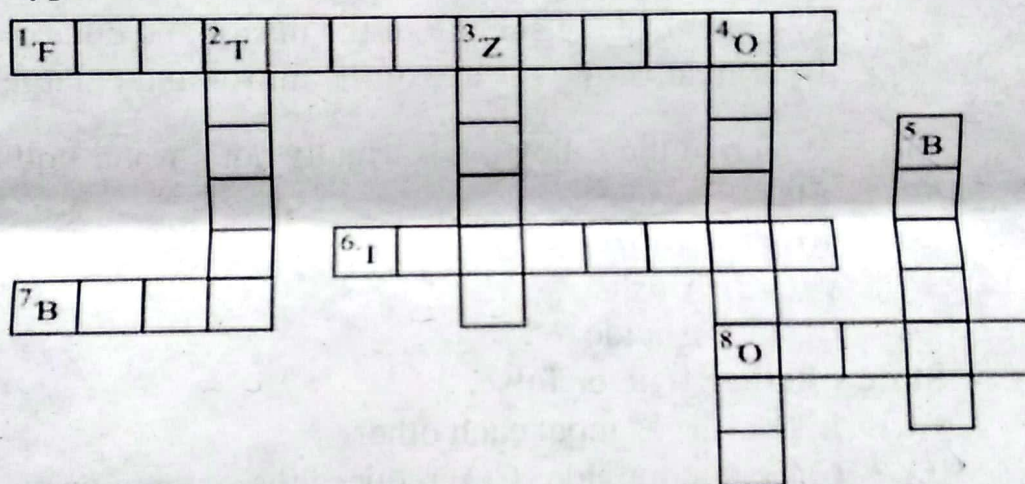
ACROSS

1. The process of the fusion of the gametes.
6. The type of fertilization in hen.
7. The term used for bulges observed on the sides of the body of Hydra.
8. Eggs are produced here.

DOWN

2. Sperms are produced in these male reproductive organs.
3. Another term for the fertilized egg.
4. These animals lay eggs.
5. A type of fission in amoeba.

**3 Marks**



### Very Short Answer Type Questions.

- Q7) Why you cannot see objects in a dark room. **2 Marks**
- Q8) What are the common water borne diseases? **2 Marks**
- Q9) Write the names of two solid lubricants. **2 Marks**

**Do as Directed**

**Fill in the blanks with the appropriate words:**

- i) \_\_\_\_\_ is the lowest temperature, at which a combustible substance catches fire.
- ii) Rabi crops are usually harvested during the month of \_\_\_\_\_ in Kashmir.
- iii) The process of depositing a layer of any desired metal on another material by means of electricity is called \_\_\_\_\_.



**Choose the correct answer.**

iv) Which of the following is a plantation crop

- a) Sunflower
- b) Sweet potato
- c) Rice
- d) Tea

v) Which of the following should be used to reduce friction on a carom board?

- a) A lubricating oil
- b) A dry lubricant
- c) A layer of grease
- d) A ball bearing

vi) Image formed by a plane mirror is

- a) Virtual, behind the mirror and enlarged
- b) Virtual, behind the mirror and of the same size as the object
- c) real, at the surface of the mirror and enlarged
- d) real, at the surface of the mirror and enlarged

vii) Which of the following is usually not a water pollutant?

- a) Sewage
- b) Fertilizer
- c) Fly ash
- d) Pesticide

**State whether true or false.**

viii) Like charges repel each other. (T/F)

ix) Carbon monoxide (CO) reduces the oxygen carrying capacity of blood in human beings to a large extent.

(T/F)

x) Aqueous Salt solution is a conductor of electricity.

(T/F)

**10 x1= 10**