

**JEM FOUNDATION SCHOOLS
ANNUAL EXAMINATION, 2018-19**

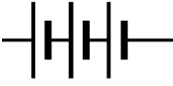
**Date: /02/19
Time: 3Hours**

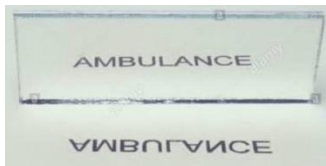
**SCIENCE
CLASS – VII**

**No of pages: 2
MM: 80**

1) Answer the following questions in one word.

1x7=7

- a) The other name of baking soda is _____
- b) Name the process which can be used to obtain pure copper sulphate from an impure sample.
- c) The animal in which exchange of gases during breathing takes place through its thin and moist skin is _____.
- d) The type of reproduction which involves fusion of gametes _____.
- e) Name this electrical component. 
- f) Another name for concave mirror.
- g) Identify and name this phenomena



2) Define the following.

1x7=7

- a) Indicators
- b) Rusting
- c) Fatigue
- d) Dialysis
- e) Micro propagation
- f) Capillaries
- g) Solenoid

3) Give reasons for the following statements.

2x4=8

- a) MCB is a better alternative than fuse.
- b) A concave mirror can burn up a paper when put under the sun.
- c) A flower is the main mode of sexual reproduction in plants.
- d) Tearing of paper is a physical change.

4) Differentiate between the following. (Any two points)

2x2=4

- a) breathing and respiration
- b) auricles and ventricles

5) Represent a symbolic chemical reaction and identify its type for the following changes.

2x2=4

- a) Iron dipped in Copper Sulphate solution
- b) Nitric acid added to potassium hydroxide.

6) Answer the following in brief.

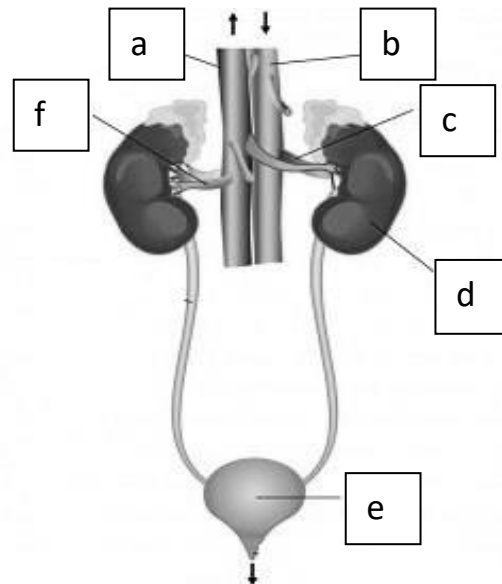
3x10=30

- a) What is an antacid? How does it work? Give an example of antacid. (1+1+1=3)
- b) What is stainless steel? State two important properties of stainless steel. (1+1+1=3)
- c) Which will turn lime water more milky and why- inhaled or exhaled air? (1+2=3)
- d) State two special features of seeds dispersed by air. Name any two seeds/fruits dispersed by air. (2+1=3)
- e) State two important uses of electromagnets. Can we use electromagnet for picking plastic bags? (2+1=3)
- f) What happens when a beam of sunlight is passed through a glass prism? What is spectrum? (2+1=3)
- g) What does the sweat in humans contain? State two functions performed by sweating in humans? (1+2=3)
- h) State three characteristics of the image of an object formed by a concave lens. (3)
- i) How is transpiration useful to plants? (Any three points) (3)
- j) Neena saw a sudden sparking in the plug point and the power went off of her room. Without switching off the main switch she started checking for the reason. (1+1+1=3)
- i) Was she correct in doing so?
- ii) What advice would you give her?
- iii) What would have been the possible reason for sparking?

7) Answer the following questions.

5x4=20

- a) What is acid rain? What damage is caused by acid rain? How is it caused? (1+2+2=5)
- b) What are the main respiratory organs in humans? Describe the mechanism of inhalation in humans. (2+3=5)
- c) i) Label the following diagram (3+2=5)
- ii) Name the main components of blood.



- d) Draw a well labelled diagram of a flower. How do plants benefit from seed dispersal? (3+2=5)