



Al Sharq Bright International School
Model Paper for Mid Term Exam 2017-2018

Name: _____ Subject: Science Class: 7___ Date: _____

Part – 1

A. Multiple choice questions:

1. Which of these is/are required for photosynthesis?
a) chlorophyll b) sunlight and water c) carbon dioxide d) all of these
2. Plants obtain carbon dioxide from the atmosphere through these structures.
a) grana b) stroma c) stomata d) none of these
3. The heating effect of electric current is used in
a) an electric bulb b) an electric toaster c) a room heater d) all of these
4. Which of these substances need to be transported within a body?
a) food b) oxygen and waste materials c) water and minerals d) all of these

B. Fill in the blanks:

1. Green plants make their own _____.
2. Two or more cells joined together form a _____.
3. Every part of a _____ organism gets nutrients directly via cell diffusion.

C. Write True/False:

1. Mushrooms are an association between a fungus and an alga. _____
2. A wire carrying current shows magnetic properties. _____
3. Formation of urine takes place in the ureters. _____

D. Match the following:

- | | |
|------------------|--------------|
| 1. autotrophs | plants |
| 2. transpiration | blood |
| 3. copper | green plants |
| | conductor |

Part – 2

E. Write one word for the following:

1. Structures in leaves that contain the green pigment -
2. Tightly wound coils found in appliances that heat up –
3. A material used to make the core of an electromagnet-

F. Write two examples for the following:

1. Parasitic plants

a) _____ b) _____

2. Blood cells

a) _____ b) _____

Part – 3

G. Answer briefly:

1. What are capillaries?
2. Differentiate between parasitic and saprophytic plants?
3. Define pendulum.
4. Show that $\text{km/h} = 5/18\text{m/s}$.

H. Answer in detail:

1. Describe how substances get transported within a plant body.
2. Describe how green plants obtain the raw materials necessary for photosynthesis.
3. How can we determine the speed of an object from its distance-time graph?

Part – 4

I. Draw a labelled diagram showing closing and opening of stomata:

Note: This is just a model, not the exam paper.