

Aksh Seth  
VIII-D

APEEJAY SCHOOL, SHEIKH SARAI-I  
PERIODIC ASSESSMENT-II, 2017-18

23

CLASS-VIII  
SCIENCE

Time allowed : 3 hrs.

M.M. : 80

---

---

BIOLOGY

1. What is meant by Rabi Crops? Give two examples of Rabi Crops. (1+1=2)
2. After consuming a dish of mutton, a person complained of nausea, vomiting, diarrhoea and pain in the abdomen. (1+1=2)
  - (a) What type of disease is he suffering from.?
  - (b) What causes this disease ?
3. Name the causative microorganism of the following animal diseases : (2)
  - (a) Tuberculosis
  - (b) Malaria
  - (c) Typhoid
  - (d) Hepatitis-A
4. Define : (1+1=2)
  - (a) Endangered animals
  - (b) Red data book
5. (a) Why is it necessary to dry the harvested foodgrains before storage ? (1+2=3)  
(b) What is irrigation? Write one modern and one traditional method of irrigation.
6. Draw a neat and labelled diagram of nitrogen cycle in nature. State two ways in which nitrogen gas of the atmosphere can be fixed in nature to get nitrogen compounds in the soil. (2+1=3)
7. (a) What is meant by fermentation? Name the scientist who discovered it? (1.5+1.5)  
(b) What are antibiotics? What precautions must be taken while taking antibiotics ?
8. (a) How does deforestation affect the soil of that area? (1+1+1=3)  
(b) Define endemic species. Give example of one endemic flora or one endemic fauna of Pachmari biosphere reserve.  
(c) What is the main aim of launching Project Tiger ?

P.T.O.

9. (a) Large scale deforestation leads to the decrease in amount of gas A in the atmosphere where as amount of gas B increases. The increased amount of gas B in the atmosphere leads to excessive heating of the earth and atmosphere producing an undesirable phenomenon C. What are A, B and C ?
- (b) State two differences between Biosphere reserve and wild life sanctuary. (3+2=5)

### CHEMISTRY

1. Give any two reasons why plastic containers are favoured for storing food? (2)
2. What happens when dilute Sulphuric acid is poured on a copper plate? (2)
3. Can you store lemon pickle in an aluminum utensil? Give reason for your answer. (2)
4. Write any one property and one use of the following fibres : (2)  
(a) Rayon (b) Polyester
5. Give reasons for the following : (3)  
(a) Sodium and Potassium are stored in kerosene.  
(b) Copper wires are commonly used in household cables.  
(c) Silver articles become black after sometime when exposed to air.
6. (a) Explain the difference between thermoplastic and thermosetting plastics. (Two points) (2+1=3)  
(b) Explain why some fibres are called synthetic.
7. Give reasons for the following : (3)  
(a) Cooking pans have plastic handles  
(b) Bakelite is used for making electric switches.  
(c) Nylon is used for making climbing ropes.
8. (a) What happens when Iron filings are dipped into copper sulphate solution? Why this does happen?  
(b) What would happen to iron railings on the road side if they are not painted? Why does it so happen?  
(c) Why are metals used for making bells? (2+2+1=5)

### PHYSICS

1. Why do porters place a thick, round piece of cloth on their heads when they have to carry heavy loads ? (2)



2. (a) Why can't we hear sound on moon? (2)  
 (b) What is the function of Larynx?
3. (a) What makes a rubber sucker work? *Rolling* (1+1+1=3)  
 (b) Arrange in increasing order of friction—*Rolling*, Static, sliding  
 (c) Choose poor conductors of electricity from the following—wood, steel, tap water, plastic, gold
4. How do lubricants reduce friction? Name any two substances used to reduce friction. (3)
5. Give one example each of the following : (3)  
 (a) Muscular force  
 (b) Gravitational force  
 (c) Frictional force
6. (a) Differentiate between noise and music (any one difference). (1+2+2=5)  
 (b) Mention two ways to reduce noise pollution in our surroundings.  
 (c) An insect vibrates its wings 500 times in one second. *Express* Explain the frequency so produced in Hertz. What will be the time period for this frequency?
7. (a) Define electroplating. (1+1+3=5)  
 (b) Name any two effects of electric current.  
 (c) Show through an activity that liquids conduct electricity. Support your answer with a diagram.

#### MULTIPLE CHOICE QUESTIONS

1. Ball bearings are used to : (1)  
 (a) Increase friction (b) Decrease friction  
 (c) Reduce Noise (d) Change the speed
2. Distilled water is a : (1)  
 (a) Good conductor (b) Poor conductor  
 (c) Neutral conductor (d) Semi-conductor of electricity
3. Which of the following frequencies can be heard by humans?  
 (a) 5 Hz (b) 10,000 Hz  
 (c) 50,000 Hz (d) 20,00,000 Hz

4. The Rhizobium bacteria present in the root nodules of pea plants can fix one of the following from the atmosphere? (1)  
(a) hydrogen (b) oxygen  
(c) nitrogen (d) carbon di-oxide
5. The carrier of malaria causing protozoan is : (1)  
(a) Female Anopheles mosquito  
(b) Cockroach  
(c) House Fly  
(d) Female Aedes mosquito
6. The process of removing unwanted plants from a crop field is called : (1)  
(a) Harvesting (b) Weeding  
(c) Transplanting (d) Breeding
7. Terylene is a popular form of : (1)  
(a) Nylon (b) Plastic  
(c) Monomer (d) Polyester
8. The metal stored in kerosene oil due to its high reactivity with air and water is : (1)  
(a) Magnesium (b) Zinc  
(c) Sodium (d) Iron
9. A metal which is found in liquid state at room temperature is : (1)  
(a) Sodium (b) Mercury  
(c) Potassium (d) Aluminium
10. The fibers which resemble wool are known as : (1)  
(a) Terylene (b) Acrylic  
(c) Nylon (d) polyester