ASSIGNMENT FOR SA AND FA

1. **Tick ( ✓ ) the correct options:**
   (a) A plant is said to be ___________ when it bears flowers.
      (i) old           (ii) adult       (iii) mature      (iv) young
   (b) Reproduction in plants happen through:
      (i) flowers       (ii) spores      (iii) stem, leaf and root (iv) all of these
   (c) Wind, water, animals and explosion of fruits are agents of:
      (i) seed dispersal (ii) seed formation (iii) seed germination (iv) none of these
   (d) Farmer cuts the crop when it is ripe. This is called:
      (i) irrigation    (ii) ploughing    (iii) sowing       (iv) harvesting
   (e) ________________ are natural fertilisers made from cow dung, and dead and decaying plants and animals.
      (i) Chemical fertilisers (ii) Manures
      (iii) Pesticides        (iv) All of these

2. **State whether the given statements are true (T) or false (F):**
   (a) All living things have a limited life span.  
   (b) Plants can reproduce only through flowers.  
   (c) Seeds of drumstick have wings and so they spin along with the wind.  
   (d) Pods of some fruits burst open when dry, thus scattering their seeds.  
   (e) The crops that grow in summer are called rabi crops.

3. **Fill up the blanks:**
   (a) The process by which a living being produces a new individual of its own kind is called ________________.
   (b) When insects move from one flower to the other they transfer tiny particles called ________________.
   (c) The process by which a seed produces a ________________ plant is called germination.
   (d) The process of scattering of seeds is called ________________.
   (e) The process of growing ________________ is known as cultivation.
4. Match the following:
   (a) Seeds          Ferns and mosses
   (b) Fruits         Tiny parachute
   (c) Dandelion seeds Hooked spines
   (d) Cocklebur seeds Baby plant
   (e) Spores         Food and seeds

5. New plants can grow from plant parts other than seeds. Explain.

   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________

6. Answer the following questions:
   (a) Why do living things reproduce?
       _________________________________________________________
       _________________________________________________________

   (b) What is the significance of bright colours and pleasant fragrance in flowers?
       _________________________________________________________
       _________________________________________________________
       _________________________________________________________

   (c) How do seeds germinate?
       _________________________________________________________
       _________________________________________________________
       _________________________________________________________

   (d) How are seeds dispersed by water? Give examples.
       _________________________________________________________
       _________________________________________________________
       _________________________________________________________
(e) Why is it important for the seeds of a plant to scatter?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

(f) What are crops? Differentiate between kharif and rabi crops.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

(g) What are the different stages of growing a crop?

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________________________________________________________________________
________________________________________________________________________

7. HOTS questions (Higher Order Thinking Skills):

(a) Harish sowed 20 seeds without much space between them. Will all of them grow properly or not? Give reasons for your answer.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

(b) Perishable items once harvested, should be transported quickly. Why?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

(c) What will happen if seeds are sown in the field without ploughing it?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

(d) The stored grains need to be protected from moisture. Why?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
(e) Why do plants produce so many seeds?

ASSIGNMENT FOR FA

8. Become a farmer!

Let’s grow some vegetables at home without seeds. Take three pots with soil to grow your vegetables and plant the following in them:

- Pot-A: Put two pieces of potato, each with some buds on it.
- Pot-B: Put an onion bulb.
- Pot-C: Cut the upper portion of a carrot and put it in the pot.

Water your pots regularly and see your vegetable plants grow. Also notice the time taken by each to grow.

9. One plant is watered regularly and another one is not for many days. How will these two plants look? Draw them in the space provided below:

| Plant watered regularly | Plant not watered for many days |

CCE Worksheets (Millennium’s Science for Juniors-5)
ASSIGNMENT FOR SA AND FA

1. Tick (√) the correct options:
   (a) The habitat of a living thing includes:
       (i) climatic conditions       (ii) availability of food and water
       (iii) protection             (iv) all of these
   (b) Animals which can take oxygen from the air into the blood stream breathe through:
       (i) gills                     (ii) lungs               (iii) spiracles
       (iv) trachea
   (c) Water animals move in water with the help of:
       (i) fins                      (ii) flippers
       (iii) tail                   (iv) all of these
   (d) ____________ makes the longest migration in the animal world.
       (i) Locusts               (ii) Whales
       (iii) Arctic tern          (iv) Monarch butterfly
   (e) During extreme winters, an animal's heart begins to beat slow and its body
       temperature drops, it is said to go into:
       (i) hibernation          (ii) migration
       (iii) sleep              (iv) none of these

2. State whether the given statements are true (T) or false (F):
   (a) We all need to take in carbon dioxide and release out oxygen.  
   (b) In the lungs, exchange of gases takes place.  
   (c) The frog breathes through its lungs inside the water while on land it breathes
       through moist skin.  
   (d) Wings of the birds are actually modified forelimbs.  
   (e) Migration and hibernation are ways to cope with the extreme climatic conditions.

3. Fill up the blanks:
   (a) The place of living of an animal that includes its surroundings is called its
       ________________________.
   (b) Animals that are adapted to live both on land and in water are called
       ________________________.
   (c) Insects do not have ________________________ in them so their body parts are
directly supplied with oxygen through tiny air holes called ________________________.
(d) Terrestrial animals have two front limbs called ________________, while the two limbs at the back are called ____________________.

(e) ____________________ is the mass movement of animals from one place to another in search of food, to avoid unfavourable weather conditions and to find nesting places.

4. Match the following:

(a) Camel ____________________
(b) Fishes ____________________
(c) Insects ____________________
(d) Breeding grounds ____________________
(e) Frogs and ducks ____________________

Network of air tubes
Big hump that stores food
Specific place to give birth
Webbed feet
Gills and scales

5. What is migration? Explain with some examples.

6. Answer the following questions:

(a) Different features of animals help them to live and survive in their habitat. Elaborate.

(b) Why is breathing essential for all living beings?

(c) How do insects breathe?
(d) Why do animals move?
________________________________________
________________________________________

(e) How do snakes move?
________________________________________
________________________________________

(f) Write a short note on hibernation.
________________________________________
________________________________________

7. HOTS questions (Higher Order Thinking Skills):

(a) Both ants and cockroaches have six legs but only cockroaches can fly. Why?
________________________________________
________________________________________

(b) Why do some birds have sharp beaks while others have curved beaks?
________________________________________
________________________________________

(c) What would happen if the animals did not migrate or hibernate during cold season?
________________________________________
________________________________________

(d) A hibernating animal’s heart beats slowly. How does it help?
________________________________________
________________________________________
(e) Animals adapt to their habitat. Give examples to support this statement.

________________________________________________________

________________________________________________________

ASSIGNMENT FOR FA

8. Look at the following pictures and write down how does camouflage protects them from their enemies:

   ______________________________________________________

   ______________________________________________________

   ______________________________________________________

9. Collect pictures of animals with different body coverings, like scales, fur, feathers, shell, etc., and paste them in your scrapbook under different headings.

   ______________________________________________________

   ______________________________________________________

   ______________________________________________________

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   ______________________________________________________

10. Arctic tern travels long distance while migrating. Find out interesting information about migratory birds and animals and share in your class.

   ______________________________________________________