



FORMATIVE ASSESSMENT-I

25

[Time : 1 Hour]

Class : 4 Learning Express Exploring Science

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 1, 2

A. Short Answer Type Questions.

(2x 2 = 4)

1. How do plants use their food ?
2. What are mangroves ?

B. Very Short Answer Type Questions.

(4x 1 = 4)

1. What is leaf apex ?
2. Write the names of any two unusual plants.
3. What are aquatic plants ?
4. Name two evergreen trees.

C. Tick (✓) the right and cross (✕) the wrong statements.

(4 x 1 = 4)

1. Cotton and rice plants are found in hilly areas. ()
2. Underwater plants are used in aquariums. ()
3. Non-green leaves cannot make their own food. ()
4. 'Synthesis' means putting together. ()

D. Tick (✓) the correct answers.

(4 x 1 = 4)

1. Which one of the following is the tip of a leaf opposite to the petiole?

- (i) stomato () (ii) chlorophyll ()
(iii) apex () (iv) veins ()

2. What do leaves release in the atmosphere during photosynthesis ?

- (i) Hydrogen () (ii) Carbon dioxide ()
(iii) Water () (iv) Oxygen ()

3. Which one of the following statements is correct ?

- (i) Aquatic plants grow on land. ()
(ii) Aquatic plants grow in water and on land. ()
(iii) Aquatic plants grow in water. ()

4. Which one of the following statements is correct ?

- (i) Evergreen trees are aquatic. ()
- (ii) Evergreen trees shed their leaves. ()
- (iii) Evergreen trees do not shed their leaves. ()

E. Unscramble the following words to make meaningful words.

(4 x 1 = 4)

- 1. VOROUSSECINTI : _____
- 2. TICAQUA : _____
- 3. TRIALTERRES : _____
- 4. TATIONADAP : _____

F. Match the following columns.

(5 x 1 = 5)

COLUMN A

COLUMN B

- | | |
|---------------------|-----------------|
| 1. Cactus | a) plains |
| 2. Coniferous trees | b) marshy areas |
| 3. Mango trees | c) hilly areas |
| 4. Coconut tree | d) desert areas |
| 4. Mangroves | e) evergreen |

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FORMATIVE ASSESSMENT-II

25



C-16

[Time : 1 Hour]

Class : 4 Learning Express Exploring Science

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 3,4

A. Short Answer Type Questions.

(2 x 2 = 4)

1. How does camel's adaptation help its survival in desert ?
2. How do mammals take care of their young ones ?

B. Very Short Answer Type Questions.

(4 x 1 = 4)

1. What is estivation ?
2. What do you mean by arboreal animals?
3. How many stages are there in the life cycle of a cockroach ?
4. Some animals give birth to young ones and nourish them with their milk. What are they called ?

C. Tick (✓) the right statements and cross (✗) the wrong statements.

(4 x 1 = 4)

1. Some animals lay eggs to produce their young ones. ()
2. Amphibians breathe through lungs only. ()
3. Some insects have three stages in their life cycle. ()
4. Bat is an aerial animal. ()

D. Tick (✓) the correct answers.

(4 x 1 = 4)

1. Which one of the following animals is an arboreal animal ?

- (i) Cow () (ii) Monkey ()
(iii) Fish () (iv) Frog ()

2. Which one of the following statements is wrong about mammals ?

- (i) Mammals lay eggs and do not give milk. ()
(ii) Mammals give birth to young ones. ()
(iii) Mammals produce milk to feed their young ones. ()



3. Which one of the following statements is correct about terrestrial animals ?

- (i) They fly in the air () (ii) They live in water ()
(iii) They have gills () (iv) They live on land ()

4. Which one of the following statements is wrong about birds ?

- (i) Birds give birth to their young ones. ()
(ii) Birds build nests. ()
(iii) Birds lay eggs and hatch them. ()

E. Fill in the blanks with the suitable words given below.

(5 x 1 = 5)

sleep , tadpole , pupa , gills , spawn

1. In hibernation, animals _____ for many months during cold weather.
2. Aquatic animals have _____ to breathe.
3. The young one of a frog is called _____.
4. The larva of a butterfly is called a _____.
5. The mass of eggs produced by fish is called _____.

F. Match the following columns.

(4 x 1 = 4)

Column A

Column B

- | | |
|----------------|--|
| 1. Polar | (a) leopard, tiger, caterpillar, grasshopper |
| 2. Terrestrial | (b) fish, whale, dolphin, octopus |
| 3. Camouflage | (c) lion, elephant, rabbit, ants |
| 4. Aquatic | (d) penguin, seal, walrus |

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FORMATIVE ASSESSMENT-III

25



C-16

[Time : 1 Hour]

Class : 4 Learning Express Exploring Science

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 5-7

A. Short Answer Type Questions.

(3 x 2 = 6)

1. What do you mean by digestion ? Why do we need to digest food ?
2. Why should we visit a dentist regularly ?
3. How is water helpful to our body ?

B. Very Short Answer Type Questions.

(6 x 1 = 6)

1. What helps our body get rid of waste ?
2. How many teeth are there in a permanent teeth set ?
3. Name two types of textile fibres.
4. Name three types of Carbohydrates.
5. Write the names of some body-building foods.
6. Name two synthetic fibres.

C. Tick (✓) the right and cross (✕) the wrong statements.

(4 x 1 = 4)

1. Cooking makes the food soft, tasty and easy to digest. ()
2. Eating sugar, chocolate and drinking soft drinks are good for teeth. ()
3. We wear dark-coloured clothes in summer. ()
4. Cheese and milk have lots of proteins. ()

D. Tick (✓) the correct answers.

(4 x 1 = 4)

1. What are the different methods of cooking?

- (i) frying () (ii) roasting () (iii) both (i) and (ii) ()

2. What is the number of teeth in a child of age 2 -3 years?

- (i) 16 () (ii) 20 () (iii) 28 ()

3. Which one of the following is a synthetic fibre ?

- (i) Wool () (ii) Cotton ()
(iii) Nylon () (iv) All of these ()



4. How do we feel in summer by wearing cotton clothes ?

- (i) Warm () (ii) Cool ()
(iii) Dry () (iv) All of these ()

E. Match the following columns.

(5 x 1 = 5)

Column A

Column B

- | | |
|---------------|---------------------------------|
| 1. Dentine | (a) the outer part of the tooth |
| 2. Enamel | (b) make us feel the toothache |
| 3. Milk teeth | (c) hold the teeth in place |
| 4. Nerves | (d) the layer below the enamel |
| 5. Gums | (e) temporary teeth |

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FORMATIVE ASSESSMENT-IV

25



C-16

[Time : 1 Hour]

Class : 4 Learning Express Exploring Science

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 10 - 12

A. Short Answer Type Questions.

(5 x 2 = 10)

1. How are molecules arranged in a solid ?

2. What is a wedge ?

3. What is gravity ?

4. What is the difference between wind and gale ?

5. What is force ? Why is it necessary ?

B. Very Short Answer Type Questions.

(4 x 1 = 4)

1. What is storm ?

2. What is the amount of water vapour present in the air called?

3. What is the blanket of air around the earth called ?

4. Define water table.



C. Tick (✓) the right and cross (✕) the wrong statements.

(5 x 1 = 5)

1. Screw is a simple machine.
2. The rotation of earth causes changes in weather.
3. Liquid gets changed into gas by melting.
4. Land gets heated quickly than the sea during the day.
5. Water energy can be used to produce electrical energy.

D. Tick (✓) the correct answers.

(3 x 1 = 3)

1. What are the sources of energy ?

- (i) Water (ii) Sun and wind (iii) All of these

2. What are the three states of matter ?

- (i) Liquid (ii) Gas
(iii) Solid (iv) All of these

3. What is the gaseous form of water ?

- (i) Ice (ii) Liquid water
(iii) Vapour (iv) None of these

E. Fill in the blanks with suitable words given below.

(3x 1 = 3)

air, molecule , force

1. We can move an object by applying _____ .
2. The heat of the sun influences the movement of _____ .
3. Atoms put together to form a _____ .

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SUMMATIVE ASSESSMENT-I

50



C-16

[Time : 2½ Hours]

Class : 4 Learning Express Exploring Science

[Max. Marks : 50]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 1 - 4

A. Short Answer Type Questions.

(7 x 2 = 14)

1. What is petiole ?
2. What do you mean by adaptation ?
3. Where do plants store their extra food ?
4. How do mammals take care of their young ones ?
5. How do animals protect themselves ?
6. What is reproduction ?
7. What is adaptation ?

B. Very Short Answer Type Questions.

(5 x 1 = 5)

1. What are carnivorous plants ?
2. Write the names of any two unusual plants ?
3. What are breathing roots ?
4. What is camouflage ?
5. What is incubation ?

C. Tick (✓) the right and cross (×) the wrong statements.

(8 x 1 = 8)

1. Some insects have three stages in their life cycle. ()
2. Terrestrial animals have well developed sense organs. ()
3. Bat is an aerial animal. ()
4. Frog give birth to their young ones. ()
5. Underwater plants are used in aquariums. ()
6. Duckweed is a fixed water plant. ()



7. Oxygen is absorbed during photosynthesis. ()
8. 'Synthesis' means putting together. ()

D. Tick (✓) the correct answer. (7 x 1 = 7)

1. Which one of the following is the tip of a leaf opposite to the petiole ?

- (i) stomata () (ii) chlorophyll ()
- (iii) apex () (iv) veins ()

2. Which one of the following statements is correct ?

- (i) Aquatic plants grow on land. ()
- (ii) Aquatic plants grow in water and on land. ()
- (iii) Aquatic plants grow in water ()

3. Which one of the following animals can live without food and water for many days ?

- (i) Lion () (ii) Cow ()
- (iii) Dog () (iv) Camel ()

4. Which one of the following statements is not correct about an egg ?

- (i) The yellow part is called yolk. ()
- (ii) The white part is called albumen. ()
- (iii) The growing chick lies in the white part. ()

5. Which one of the following is responsible for green colour of the leaves ?

- (i) Node () (ii) Chlorophyll ()
- (iii) Guard cell () (iv) Stomata ()

6. Which series of plants comes from grass family ?

- (i) Desert plants () (ii) Aquatic plants ()
- (iii) Wheat, rice, maize, bamboo ()

7. Which one of the following statements is correct about terrestrial animals ?

- (i) They fly in the air () (ii) They live in water ()
- (iii) They have gills () (iv) They live on land ()

E. Define the following. (4x 1 = 4)

1. Chlorophyll : _____
2. Stomata : _____

3. Photosynthesis : _____

4. Lamina : _____

F. Fill in the blanks with the help of words given in the box.

(7 x 1 = 7)

mangrove, water, yellow, land, spawn, sleep, terrestrial, snow

1. The needle-like structure of leaves makes _____ slide off easily.
2. _____ plants grow in marshy areas.
3. In hibernation, animals _____ for many months during cold weather.
4. The _____ part of an egg contains a tiny growing baby is called chick.
5. The mass of eggs produced by fish is called _____.
6. _____ plants grow on land.
7. Amphibian animals live in _____ and _____.

G. Match the following columns.

(5 x 1 = 5)

Column - A

Column - B

- | | | |
|---------------------|-----|------------------|
| 1. Cactus | () | (a) plains |
| 2. Coniferous trees | () | (b) marshy areas |
| 3. Mango trees | () | (c) hilly areas |
| 4. Coconut tree | () | (d) desert areas |
| 5. Mangroves | () | (e) evergreen |

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SUMMATIVE ASSESSMENT-II

50

C-16

[Time : 2½ Hours]

Class : 4 Learning Express Exploring Science

[Max. Marks : 50]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 1 - 9

A. Short Answer Type Questions.

(7 x 2 = 14)

1. What is caravan ? Explain.
2. How do animals protect themselves ?
3. Where do plants store their extra food ?
4. What is the difference between natural fibre and synthetic fibre ?
5. Why do we have to brush our teeth properly ?
6. How does a cactus survive in the desert ?
7. What do you mean by defecate ?

B. Very Short Answer Type Questions.

(5 x 1 = 5)

1. Name three types of carbohydrates.
2. Name two synthetic fibres.
3. Why do we need doors and windows in a house ?
4. How many stages are there in the life cycle of cockroach ?
5. How many teeth are there in a temporary teeth set ?

C. Tick (✓) the right and cross (✕) the wrong statements.

(8 x 1 = 8)

1. Eating sugar, chocolate and drinking soft drinks are good for teeth. ()
2. Oxygen is absorbed during photosynthesis. ()
3. If clothes catch fire, we should stop, drop and roll. ()
4. A good house must have at least five doors. ()
5. Cooking makes the food soft, tasty and easy to digest. ()
6. We wear dark-coloured clothes in summer. ()
7. Cotton and rice plants are found in hilly areas. ()
8. Bat is an aerial animal. ()

D. Tick (✓) the correct answers.

(8 x 1 = 8)

1. Which statements is not correct in case you catch fire ?

- (i) Run as fast as you can. ()
- (ii) Stop and cover your face with your hands. ()
- (iii) Drop to the ground. ()

2. Which one of the following is a mobile house ?

- | | | | |
|-------------|-----|---------------|-----|
| (i) Caravan | () | (ii) Building | () |
| (iii) Hut | () | (iv) Bungalow | () |

3. What do leaves release in the atmosphere during photosynthesis

- (i) Hydrogen () (ii) Carbon dioxide ()
(iii) Water () (iv) Oxygen ()

4. Which one of the following attacks woollen clothes ?

- (i) Bird () (ii) Silver fish ()
(iii) Wasp () (iv) All of these ()

5. Which one of the following statements is correct ?

- (i) Milk teeth are called permanent teeth. ()
(ii) Milk teeth are 32 in terms of number. ()
(iii) The milk teeth of children are called temporary teeth. ()

6. Which series of plants comes from grass family ?

- (i) Desert plants () (ii) Aquatic plants ()
(iii) Wheat, rice, maize, bamboo ()

7. Green leafy vegetables are rich in terms of -----

- (i) Vitamins and minerals () (ii) Proteins () (iii) Fats ()

8. Which one of the following animals is an arboreal animal ?

- (i) Cow () (ii) Monkey ()
(iii) Fish () (iv) Frog ()

E. Fill in the blanks with the help of words given in the box.

(6 x 1 = 6)

land and water, mouth, terrestrial, cotton, footpath, house

- _____ plants grow on land.
- We get cotton fibres from _____ plants.
- Always walk on the _____.
- A tent is a short-term _____
- Digestion begins in the _____
- Amphibian animals live in _____ and _____

F. Match the following columns.

(4x 1 = 4)

- | I. Column A | | Column B |
|--------------------------------------|-----|-------------------|
| 1. Energy - giving food | () | (a) Proteins |
| 2. The digestive liquid in the mouth | () | (b) Preservation |
| 3. Body-building food | () | (c) Saliva |
| 4. Making food to last longer | () | (d) Carbohydrates |

- | II. Column A | | Column B | (5x 1 = 5) |
|---------------------|-----|------------------|------------|
| 1. Cactus | () | (a) plains | |
| 2. Coniferous trees | () | (b) marshy areas | |
| 3. Mango trees | () | (c) hilly areas | |
| 4. Coconut tree | () | (d) desert areas | |
| 5. Mangrove | () | (e) evergreen | |





SUMMATIVE ASSESSMENT-III

50

C-16 [Time : 2½ Hours] Class : 4 Learning Express Exploring Science [Max. Marks : 50]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Lessons 1 - 14

A. Short Answer Type Questions.

(7 x 2 = 14)

1. Why should we visit a dentist regularly ?
2. What are the three different states of water?
3. What do you mean by sea breeze ?
4. How do plants use their food ?
5. Explain rotation.
6. What are mangroves ?
7. How is work defined in the words of science ?

B. Very Short Answer Type Questions.

(5 x 1 = 5)

1. What is estivation ?
2. How many stages are there in the life cycle of a cockroach ?
3. What helps our body get rid of waste ?
4. What are the three layers of the earth ?
5. When is World Environment Day celebrated ?

C. Tick (✓) the right and cross (×) the wrong statements.

(8 x 1 = 8)

1. Tooth decay does not lead to bad breath. ()
2. Our earth is exactly spherical. ()
3. Silk is obtained from a plant. ()
4. Water has three different forms - liquid, gas and solid. ()
5. If clothes catch fire, we should stop, drop and roll. ()
6. We should buy things with lots of packaging materials. ()

7. Liquid gets changed into gas by melting. ()
8. The rotation of earth causes changes in weather. ()

D. Tick (✓) the correct answers. (8 x 1 = 8)

1. Which one of the following is the hottest part of the day ?

- (i) Morning () (ii) Noon ()
- (iii) Evening () (iv) Night ()

2. Which statement is not correct ?

- (i) Prevention is better than cure. () (ii) Do not put fingers in electrical sockets. ()
- (iii) Cut off the electric supply in case of an electric shock hurting a person. ()

3. In order to avoid air pollution, we should

- (i) produce lots of vehicles () (ii) buy many vehicles ()
- (iii) plant lots of trees () (iv) none of these ()

4. Igloos are made of ?

- (i) mud () (ii) cement ()
- (iii) straw () (iv) ice ()

5. Solution of water and milk is a

- (i) Solid-liquid solution () (ii) Liquid-liquid solution ()
- (iii) Liquid - gas () (iv) None of these ()

6. We use fresh water for _____

- (i) Drinking () (ii) Farming ()
- (iii) Washing () (iv) All of these ()

7. What do leaves release in the atmosphere during photosynthesis ?

- (i) Hydrogen () (ii) Carbon dioxide ()
- (iii) Water () (iv) Oxygen ()

8. Which one from the following is an incorrect statement ?

- (i) The earth is main source of energy. ()
- (ii) The moon is main source of energy. ()
- (iii) The main source of energy is sun. ()

E. Fill in the blanks with the help of words given in the brackets.

(10 x 1 = 10)

(bat, dew point, matter, atoms, gills, force, large, sun, mangrove, garbage)

1. _____ plants grow in marshy areas.
2. We should not throw our _____ into water bodies.
3. We can move an object by applying _____.
4. Aquatic animals have _____ to breathe.
5. Matter is made up of small particles called _____.
6. _____ is the only mammal that can fly.
7. The temperature at which condensation start is called _____.
8. Our body is made up of _____.
9. Digestion is completed in the _____ intestine.
10. One pole remains tilted towards the _____.

F. Match the following columns.

(5 x 1 = 5)

Column A		Column B
1. The hard outer layer	()	(a) mantle
2. The central region between core and crust	()	(b) rotation
3. The innermost part of the earth	()	(c) revolution
4. The movement of the earth on its axis	()	(d) crust
5. The movement of the earth around the sun	()	(e) core

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