

Chapter 2

BSEB Class 10 English Solutions THE ECOLOGY BIT

EXERCISES

B.1. Write ' T ' for True and ' F ' for False of the following :

1. People easily get convinced by Jim [F]
2. He used paper route to communicate to people [T]
3. He gives suggestions on ecology free of cost [T]
4. Mr. Williams was at his house [T]
5. People listened to Jim gladly for he was an eco-friendly boy [F]

B.1.2. Answer the following questions very briefly.

Q.1. What is a compost pit ?

Ans. This is pit where compost manure is made.

Q.2. What does Mr. Williams mean by nose pollution ?

Ans. Actually when leaves, garbage and other stuff are dumped in a pit it starts decomposing which emits foul smell. Mr. Williams uses the phrase nose pollution to explain regarding the emission of foul smell from the pit after decomposition of the material dumped inside the pit.

Q.3. Why is burning of leaves bad for air ?

Ans. The burning of leaves creates smoke. The smoke is full of carbon which is acidic. This pollutes the air and thereby pollutes the atmosphere.

B.2. Answer the following questions very briefly :

Q.1. What happens when the narrator calls Ms. Greene as Mrs. Green ?

Ans. When the narrator call her Mrs. Greene. She says does not have Change to pay and thus avoids payment.

Q.2. What does the narrator do on Saturdays and Sundays?

Ans. On Saturdays, the narrator puts in a good work for ecology. It is a good collecting day and it easier to meet people on that day being week and holidays.

Q.3. Which animal messes up with Mrs. Greenis yard ?

Ans. It is the dog of the narrator who is alleged to have messed up with the yard of Mrs. Greene.

Q.4. Why does the narrator asks Mrs. Greene to save paper and aluminium cans ?

Ans. The narrator advises Mrs. Greene to save papers for the school pick up and those can be recycled into new paper. In the same way the aluminium cans can be converted into metal for reuse.

Q.5. Did the narrator succeed in getting Mrs. Greene do something about ecology ?

Ans. The narrator failed to persuade Mrs. Greene to do something about ecology. He says, he gets tired of trying to get Mrs. Greene to do something about ecology.

B.3.1. Complete the following sentences on the basis of the unit you have just studied :

1. It is very boring work, this ecology fit.
2. Woman use too many electric things.
3. Nobody's willing to do anything about ecology.
4. The narrator drive his motorbike round and round his backyard all summer and snow – mobile all winter.

B.3.2. Answer the following questions very briefly :

Q.1. How many blocks away was the post office from Mr. Johnsons house ?

Ans. It was only two blocks away from Mr. Johnsons house.

Q.2. What from of electricity did the narrator use ?

Ans. He used to watch T. V. and through this was consuming electricity.

Q.3. Why did Mr. Johnson think that the narrator did not follow the principal of walling ?

Ans. Mr. Johnson felt that the narrator himself was using his motorbike and show mobile in summer and winter months and thereby was wasting fuel and at the same time making noise pollution.

Q.4. Did the narrator enjoy in talking about ecology ?

Ans. No, the narrator did not enjoy talking about ecology. He says it is very boring job and fells nobody listens to him.

C.1. Long Answer Questions :

Q.1. ' Nobody is willing to do anything about ecology'. Do you agree with the statement.

Ans. Yes, I feel we are left with no choice but to agree with the statement of the narrator at the end of the article entitled ' Me and the Ecology Bit'. The narrator tried his best to convince people to do something on their part for the sake of ecology but instead of agreeing to the suggestion everyone started accusing the writer by finding faults in his own approach towards maintaining ecological balance. If we generalize this statement in the context of the world scan ario of today the situation is found to be almost the same.

Q.2. " But any how on Saturday when I collect, I put in a word on ecology." This is the narrator's way of preserving ecology. How are you contributing to ecolgical preservation in your sorrounding ?

Ans. This is the common way of doing social work in modern society. Everybody preaches others to follow the rule but when it comes to himself he flouts the rule.

We try to keep our area neat and elean, throw the garbage at the proper place and do community plantation of trees in the area to preserve the ecological balance.

Q.3. ' I get tired of trying to get Mrs. Green to do something about ecology. Explain in detail the meeting between Jim and Mrs. Greene and throw light on the outcome of the meeting.

Ans. The diologue between Jim and Mrs. Green seems to be quite interesting. When Jim reached her house she was putting her garbage bag for weekly pick up on Monday. She is usually goes out on weekends and so she keeps the garbage in a beg plastic bag and keeps that bag in her garden for further management by the writer.

She asks Jim to pick up gum wrapper which she says was thrown by Jim. She says — 'Has he not been taught not to litter? And then again she complains about Jim's dog who is responsible for digging up his garden and putting her yard in a mess. She says the dogs are to be kept in chains.

Then the third episode between Mrs. Greene and Jim related to the management of old newspapers. She was advised by Jim to save those papers to be picked up by the school. She was also told to keep aluminium cans.

The meeting results in a fiasco and the effort of Jim failed.

Q.4. 'Sure it is hard to get people to work for ecology'. Do you agree with this statement? What is Ecology? What measures have you and your school taken to preserve it ?

Ans. Ecology is the science for the preservation of natural atmosphere and environment so that the life of living being on earth is not endangered. As it goes the people have started appreciating the problem being faced by the modern world but nobody is coming out to work for it seriously hence the situation has not improved.

Q.5. "When use too many electric things". What prompts the narrator to say so? How does the use of modern appliances affect ecology ?

Ans. In modern kitchens in the house there are so many electric appliances to facilitate cooking. The cooking methods have undergone a change from the traditional way making it necessary to use modern appliances like electric grinders, mixer, Juicer, Toaster, Exhaust Fans, Refrigerator, Cooker etc. These appliances use electricity to run. This results in more consumption of electricity which is short in supply because the production is less. This causes pressure on production. We need more coal for production of thermal power or more water for Hydro power. Both coal Hydro power generation affects our ecological balance in terms of pollution of atmosphere. So the narrator advised his mother to use hand driven egg beater instead of electric mixer.

Q.6. Do you think that Jim is a real ecology friendly boy ? Give your own opinion.

Ans. Jim is more a preacher who gives sermon to others to work for the preservation of ecology. But when it comes to his own working, he has not shown any effective result. So it seems he is more perfect in theory than in practice.

Q.7. Does Jim understand why his advice is being questioned? Explain.

Ans. His advice regarding following the principles of ecological methods are ignored because people understand that Jim is not a true follower of what he says. So that people make a mockery of Jim. Perhaps he understands his position and that is why he is unable to insist on the subject.

Q.8. What happened to the tree referred to by Mr. Johnson ?

Ans. Actually the tree referred to by Mr. Johnson was non-existent. There was no tree there. At another place a little tree was coming up but was killed due to jumping over it everyday Allegedly by Jim.

So the theory of tree and ecology as put by Jim to Johnson was proved wrong. It made another

laughing stock for Jim.

Q.9. Is Jim aware of all the aspects and does he always practice ecology methods ? Why or why not ?

Ans. From the lesson it is apparent that Jim is very much aware of all the aspects of ecology but it seems that he does bring those methods to his own use. He gets defeat at all the places where he goes and at the end he admits that nobody listens to him.

C..2. Group Discussion :

Environmental degradation leads to ecological imbalance points for discussion.

1. What is environment? What are the factors which helps in maintaining good environment.
2. What leads to the pollution of environment ?
3. How pollution affects, the ecological balance of nature.
4. What measures should be taken to preserve our ecology ?
5. How it is going to affect the existence of man and other living beings on the Hemisphere ?

Q.2. Modern applications adversely affect the environment. Points for discussion :

- (a) What are modern appliances? They are electrical fittings in the house like air conditioner, Room cooler, Room Heater , Blower, Refrigerator in which Gas are used to produce cooling effect. The T.V. Radio , The Mixer Grinder.
- (b) If we come out of our houses we are faced with running cars, trucks, Buses and other heavy vehicle the rail transport system , the air travel system.
- (c) Your mobile and other equipments connected with the operation of mobile service
- (d) The computer and computer based communication services.

The benefits of these appliances and that of big factories and workshop and their adverse effects may be analysed in the discussion in detail.

C.3. Composition :

1. Prepare a speech in 100 words to be delivered in the morning assembly of the school on ‘ How students can become ecology friendly.

Respected teacher, and my brothers and sisters present here in the assembly. Today I want to talk to you regarding a very important subject which is drawing attention of the people and nation of the world. The subject is related with ecology. You know as the world is mankind is increasing day by day.

The greatest problem before the world today is that of increasing population . The number of boys and girls taking birth everyday is adding to population growth. Our lands are limited and the resources at our disposal are limited so man is required to put extra effort to feed the additional men and women. This is putting pressure on the resources that we have with us and this is creating a lot of problem including the problem of ecological imbalance. The trees are cut to create more cultivable land, the natural water resources are getting scarce and the air is getting polluted due to coming up of more factories etc.

Friends since very beginning we have to be careful. As coming generation of the modern world, we the youth have to take care to guard ourselves against the vices of pollution. We have to be ecology friendly and persuade others too to act according to the demand of the environment and nature.

Thanks you every much for listening to me with Patience. I will request you to give more thoughts on the subject and do something in this regard so that we are able to lead a good and healthy life.

Q.2. Write a letter to your friend , telling him the measures your school has taken to preserve ecology in the locality.

Ans.

Patna, the 25th July

Dear Rakesh,

Hope this will find you in good health and cheerful. I wanted to inform you about the efforts our school outside the city area and there are cluster of village situated nearby. We have formed two ways for Ecological making green manure [compost] and use only the compost in their field instead of chemical fertilizers.

The farmers of the village are very happy about this. Most of the farmers have now taken up to produce and use only compost in their fields. The yield has gone up and at the same time they are saving money in buying chemical fertilizers from the market. Moreover they are also being persuade to plant more and tree in and around their village. This will help to improve the atmosphere. They will also get furit, timbor from the trees and the dry leaves can be used in making compost.

You can also think of doing something on this line. Please give me your thoughts in this regard. Hope to listen from you soon. With my best wishes,

Your sincerely

Mr. Avkash

D. Word Study :

D.1. Dictionary Use :

Correct the spelling of the following words :

Incorrect	Correct
Ekology	Ecology
Garbedge	Garbage
Polusion	Pollution
Composte	Compost
Stufe	Stuff
Inings	linings

D.2. Match the words in column 'A' with their meanings in column B.

Column 'A' Column 'B'

- | | |
|------------------|---|
| 1. Compost [e] | (a) The science that deals with the relation between the living things and environment. |
| 2. Garbage [d] | (b) An act of polluting |
| 3. Pollution [b] | (c) To being |
| 4. Pretend [c] | (d) Filth |
| 5. Ecology [a] | (e) Manure |

E. Grammar: Active voice and Passive Voice.

Ex.1. Read carefully the Sentences taken from the lesson.

He pays me and I tell him.

You see that the sentence given above consists of two clause : ‘ He pays me’ and ‘ I tell him’.
In the first part, the subject is he ‘ and ‘he’ is also the ‘ doer’ whereas ‘me’ is the receiver and so the object of this clause. In the second clause— ‘I’ is the ‘ doer’ as well as ‘ subject’ of the clause whereas ‘ him’ is the object and the receiver. Both these clauses, therefore , are in the Active voice. Their Passive equivalents are as follows :

I am paid by him and he is told by me.

You see that in the passive equivalent the subject ” I ” and ‘he’, the subjects of the first and the second clause respectively are, in fact, the receivers, not the doers. Note carefully the changes that have taken place in the passive equivalent :

The objects of the Active — ‘me’

And ‘him’— have become the subject of the passive.

The objects of the ‘pays’ and ‘tell’ have been changed into ‘ampaid’ and ‘is told’ respectively. The choice of ‘ is’, ‘ am ‘ or for that matter any aux. Verb depends on the person of the new subject (which was the object in the active voice) and the tense of the verb phrase (in the sentence).

3. Also note the case of the pronoun changes when their position changes; i.e. ‘he’ when used as subject and ‘him’ when used as object. Similarly, ‘I’ when used as subject and ‘me’ when used as object.

4. Aux. Verbs ‘is’ and ‘am’ have been inserted in the passive equivalent because an appropriate form of ‘be’ is used with the subject in the passive if the Active is in the simple present or its simple Past.

5. Whatever the tense, the verb in the passive voice is in the Past participle form (V3).

6. Normally Preposition *by* is used before the agent in the passive voice.

Exmp.2. Change the following sentence in Active voice into the passive voice.

Active voice

1. The children are playing the game:

Passive — The game is played by the children.

2. The teacher tells the story:

The story is told by the teacher.

3. The minister is giving the speech:

The speech is given by the minister.

4. The Policeman catches thieves :

The thieves are caught by the policeman.

5. The driver is driving the car :

The car is driven by the driver.

6. The children are playing the guitar:

The guitar is played by the children.

7. The postman has delivered the letters :

The letters were delivered by the postman.

8. The father scolded the son :

The son was scolded by the father.

9. The gardener has watered the flowers :

The flowers were watered by the gardener.

10. The musicians are playing the band :

The band are being played by the musicians.

F. Activities :

Q.1. Do a project work on how to prepare compost.

Ans. To prepare compost [organic manure = जैविक खाद] one has to first prepare a compost pit. The pit should preferably be prepared at a place which is shaded and should be placed in the corner of the garden. The pit should be dug for a depth of one metre. The pit should have the lining of bricks or granite. After the pit is ready all the organic matter mostly refuse of the kitchen and garden should be spared in the pit properly. All these materials should be covered with a layer of dried leaves or with a thin layer of soil. This will help in preventing foul odour emanating from the pit to spread in the atmosphere.

If more manure is needed similar processing should be done to make Compost.

Q.2. Find out what other fertilizers are being used for growing plants ? Which out of them are good for plants as well as human beings and which are bad ?

Write a report.

Ans. For the proper growth of plants use of manure is essential. Manures are derived through two main sources. One is natural manure which are obtained from Human excreta like urine, stool etc. Similarly green manure are made through the method of Compost. Again the cowdung and urine of the cattle can be converted into a rich manure. Some chemical fertilizers are produced in the factories like, Ammonia, Phosphate Pottasium, Sodium, Magnesium etc. These can be used under the guidance of Agricultural experts as per the requirement of plants in particular area.

G. Translation :

Translate the following sentences into Hindi .

1. Sure it is hard to get people to work for ecology.

पर्यावरण के कार्य के लिए लोगों को तैयार करना अत्यंत कठिन है।

2. He Somehow has the idea that I hate working with Compost.

पता नहीं की उसके मन में यह विचार कैसे आया कि मैं जैविक खाद बनाने के लिये नहीं करना चाहता।

3. My fingers are hurt but that does not stop me from typing again.

मेरी भावनाओं को आघात लगा पर इसने मेरे उत्साह को कम नहीं किया।

4. She does not have Change to pay me.

मुझे देने के लिये उसके पास खुदरा पैसे नहीं होंगे।

5. I get tried to trying to get Mrs. Greene to do something about ecology.
पर्यावरण पर कार्य करने के लिये श्रीमती ग्रीन को राजी करना अत्यंत कठिन होता है।
6. Nobody is willing to do anything about ecology.
पर्यावरण पर कुछ काम करने की इच्छा किसी में नहीं होती।
7. Nobody listens to me.
मेरी बात कोई भी नहीं सुनता।
8. It is very boring work, this ecology let.
पर्यावरण विज्ञान पर काम करना अत्यंत उबाऊ होता है।