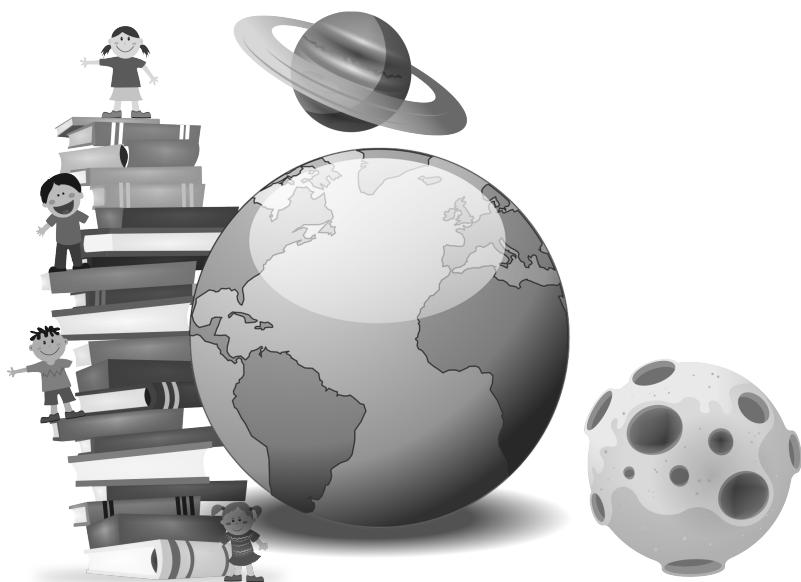


Teachers' Manual 2

Blue Planet

A Textbook of Environmental Education



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BLUE PLANET-2

1. Our Body Parts

A. 1. c 2. a 3. b 4. c 5. a **B.** 1. internal 2. Lungs 3. Kidneys 4. Stomach **C.** 1. The body parts that are inside the body and cannot be seen they are called internal body parts; like brain, stomach, heart, etc. 2. The brain directs all the parts of our body to do their tasks. 3. Our heart works like a pump which supplies blood to all parts of our body. 4. Skeleton holds our body up straight and protects the internal organs. 5. Kidneys filter out the wastes from our blood in the form of urine. **D.** Do yourself **E.** 1. Bones 2. Stomach 3. Heart 4. Brain 5. Lungs **HOTS:** If I happen to touch a hot object, I immediately take away my hands. My brain orders me to do so.

2. My Family

A. 1. b 2. a 3. c 4. b 5. b **B.** 1. No 2. Yes 3. No 4. No **C.** 1. A family is a group of people who are related to each other. 2. When parents live with their children only, it is called a nuclear family. 3. Parents earn money, cook food and take care of their children's needs. Grandparents take care of the garden and play with children. Children help their parents in cleaning house, watering plants, setting bed and in the kitchen also. 4. We have lot of fun with our family by going on picnic, playing games, visiting relatives, celebrating festivals, going out for meals and watching movies, etc. **D.** Do yourself **E.** 1. Salim's family 2. Alex's family 3. Prakash's family 4. Six members **HOTS:** My father is the head of my family because he is eldest person in our family and he is responsible for all of us.

3. Types of Houses

A. 1. b 2. b 3. a 4. c **B.** Do yourself **C.** 1. A house protects us from heat, cold and rain. We feel safe in our house. 2. A bungalow is a big *pucca* house with many rooms and garden in it. 3. A houseboat is a house made on boat that floats on water. 4. A stilt house is made high on the bamboo poles. It is found in heavy rainfall

areas. **HOTS:** Windows should have wire netting fixed on them to stop the entry of mosquitoes and flies.

4. Food

A. 1. c 2. a 3. c 4. b 5. c **B.** 1. Dal, Milk 2. Rice, Potato 3. Fruits, Vegetables 4. Rice, Wheat 5. Milk, Egg **C.** 1. We need food to grow, work, play, and to stay healthy. 2. Plants and animals are the main sources of all food. 3. The foods which give us energy to work and play are called energy-giving foods; like roti, rice, bread, potato, sugar, etc. 4. The food which protects us from falling sick is called protective food. 5. A balanced diet contains food of all the three kinds—energy-giving, body-building and protective food.

5. Clothes

A. 1. c 2. c 3. b 4. c 5. c **B.** 1. Frock, Shirt, Sari, Skirt 2. Sweater, Cap, Muffler, Gloves 3. Sari, Scarf, Shirt, Kurta 4. Jacket, Belt, Shoes, Bag **C.** 1. We need clothes to protect our body and to look smart. They protect us from heat, cold, rain, dust and dirt. 2. We get cotton from cotton plant. 3. We get wool from sheep and hare. 4. Some people wear special dresses to their work. These special dresses are known as uniforms. 5. Natural fibres are obtained from either plants or animals; like cotton, jute, wool and silk, etc. While man-made fibres are made by man; like nylon, acrylic and polyester, etc

6. Neighbourhood

A. 1. c 2. c 3. a 4. a **B.** 1. b 2. c 3. d 4. e 5. a **C.** 1. A good neighbourhood has many places that make our life easy to live in. It comprises market, post office, hospital, police station, school, park, bank and places of worship. 2. A market has many shops like grocery shop, chemist shop, stationery shop, greengrocery shop and dairy in it. 3. I go to my school to study. 4. An ambulance is a vehicle of hospital which takes the patients to the hospital in case of any emergency. 5. A shopping mall is a big building that contains all types of markets in it. We also enjoy watching movies

and eating food there. **HOTS:** The telephone number for police is - 100. The telephone number for ambulance is 102.

7. Festivals

A. 1. b 2. c 3. a 4. b 5. a **B.** 1. b 2. a 3. d 4. c **C.** 1. Independence Day, Republic Day and Gandhi Jayanti are our three national festivals. 2. **Diwali:** We celebrate Diwali by worshipping Lord Ganesha and Goddess Lakshmi. We wear new clothes, decorate our house with diyas and lights, exchange sweets with friends and neighbours and we burn fire crackers at night. **Eid:** We go to Idgah to pray on the day of Eid. We wear new clothes, wish each other 'Eid Mubarak' and enjoy sweet dish Sewaiyan on this day. **Gurpurab:** We go to gudwaras on this day and read the verses of Guru Granth Sahib. Free food called langar is served in all gurdwaras. **Christmas:** On this day we go to church to offer prayers, decorate Christmas Tree and enjoy cakes. 3. We celebrate Holi by spraying coloured water on each other playfully and enjoy special sweet Gujhiya along with many other dishes. 4. Snake Boat Races and Kathakali dance are the main attractions of Onam. 5. People of Tamil Nadu celebrate Pongal by praying the Sun god, rain and farm animals. They decorate their houses with Kolam and cook Pongal rice. **D.** Do yourself **E.** 1. 15th August, 2. 5th September, 3. 2nd October, 4. 26th January, 5. 25th December. **HOTS:** Diwali comes in autumn season. Christmas comes in winter season. Independence Day comes in rainy season. Onam comes in rainy season.

8. Uses of Plants

A. 1. c 2. a 3. a 4. b 5. b **B.** 1. Carrot, Radish 2. Potato, Sugarcane 3. Spinach, Cabbage 4. Wheat, Dals **C.** 1. We get most of our food from plants. They give us fruits, vegetables, pulses, cereals, oils and spices, etc. 2. Cereals like wheat, rice, maize and pulses like arhar, masoor, rajma, etc. are called food grains. 3. Turmeric, red-chilli and cardamom are three spices. 4. We get wood from teak, shisham and bamboo plants. 5. We get tea from the leaves of tea plant and coffee from the beans of coffee plant. **D.** Do yourself

E. 1. f, 2. e, 3. d, 4. b, 5. a, 6. c. **HOTS:** We should not cut trees because trees make air fresh and pure.

9. Uses of Animals

A. 1. b 2. c 3. a 4. c **B.** 1. Cow, Dog, 2. Cow, Goat 3. Butter, Paneer 4. Bag, Belt 5. Elephant, Donkey **C.** 1. Helpful animals that are kept at home or in farms are called domestic animals. 2. The animals which give us milk are called milch animals. 3. We get leather from the skin of dead animals such as camel, crocodile and snake, etc. 4. Animals like donkey, horse, mule, camel, ox and elephant help us in carrying loads. **HOTS:** 1. honey 2. silk 3. milk

10. Air and Water

A. 1. b 2. c 3. c 4. c **B.** 1. No 2. Yes 3. Yes 4. No **C.** 1. Air is very important for all living beings to breathe. It is all around us. We cannot see or touch it, but we can feel it. Air has no smell or taste. 2. When the wind blows softly it is called breeze and when it blows very fast, it is known as storm. A storm can blow away roofs of houses and even big trees. 3. Rainwater gets collected in lakes, ponds, rivers, seas and oceans. It also seeps into the ground. 4. Animals need water to drink and bathe. Plants need water to make their food in sunlight. **HOTS:** Air from fan would be unable to move a book lying on the table because the book is heavier than the strength of an air.

11. Safety

A. 1. a 2. b 3. c 4. b **B.** 1. Yes 2. Yes 3. No 4. No **C.** 1. We should cross the road at zebra crossing, we should wait for the traffic to stop. We should look to our right then to our left. Now, we should look again to our right if there is no traffic we can cross the road. 2. No, we should never board a moving bus. 3. For the safety in playground, we should never push each other. We should not stand in front of a swing; wait for our turn standing by side. We should not jump off the see-saw 4. For the safety at home, we should never play with sharp things like knives, blades or scissors. We should never insert anything in plug holes. We

should never turn on or off a switch with wet hands. **HOTS:** It is a picture of zebra crossing. Zebra crossing is used for crossing the road with safety measures.

12. Let us Communicate

A. 1. b 2. c 3. a 4. c **B.** 1. Yes 2. Yes 3. Yes 4. Yes **C.** 1. Exchanging of ideas, feelings and information is called communication. 2. A communication between two persons is called personal communication. 3. A communication with many people at same time is called mass communication. 4. Mobile phone and letter are two examples of personal communication. **D. Means of Personal Communication:** Mobile, Letter, Computer. **Means of Mass Communication:** Television, Newspaper, Radio. **HOTS:** Yes, animals also communicate with each other through their special sounds and gestures.

13. Time and Directions

A. 1. b 2. c 3. a 4. c **B.** 1. East 2. midday 3. day 4. 60 **C.** 1. There are four main directions—east, west, north and south. 2. A map is a diagram or a drawing of a particular area. 3. 12'o clock during the day is midday and 12'o clock at night is called midnight. 4. An hour is made up of minutes. There are 60 minutes in one hour. **D.** 1. In North direction 2. In East direction 3. In West direction 4. In South direction. **HOTS:** A map is most useful for the traveller who is travelling to new or unknown places. Because it shows him the different places and where they are located.

Model Test Paper-1

A. 1. c 2. a 3. a 4. b 5. c **B.** 1. Dal, Milk 2. Rice, Potato 3. Fruits, Vegetables 4. Shirt, Frock 5. Sweater, Cap **C.** 1. The body parts that are inside the body and we cannot see them are called Internal body parts; like brain, stomach, heart, etc. 2. When parents live with their children only, it is called a nuclear family. 3. A stilt house is made high on the bamboo poles. It is found in heavy rainfall areas. 4. The food which protects us from falling sick and to stay healthy is called protective food. 5. A shopping mall is a

big building contains all types of markets in it. We also enjoy watching movies and eating food there.

Model Test Paper-2

A. 1. b 2. c 3. c 4. a 5. a **B.** 1. Yes 2. Yes 3. No 4. No 5. Yes
C. 1. Independence Day, Republic Day and Gandhi Jayanti are our three national festivals. 2. Air is all around us. We can not see or touch it but we can feel it. It has no smell or taste. 3. We get leather from the skin of dead animals such as camel, crocodile, snake, etc. 4. For the safety at home, we should never play with sharp things like knives, blades or scissors. We should never insert anything in plug holes. We should never turn on or off a switch with wet hands. 5. An hour is made up of minutes. There are 60 minutes in one hour. **D.** 1. 15th August, 2. 5th September, 3. 2nd October, 4. 26th January, 5. 25th December. **E.** 1. f, 2. e, 3. d, 4. b, 5. a, 6.c.