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|  | <b>INDIAN SCHOOL AL WADI AL KABIR</b>                                        |  |
| <b>CLASS: X</b>                                                                   | <b>DEPARTMENT: SCIENCE 2025 – 26</b><br><b>SUBJECT: EMPLOYABILITY SKILLS</b> | <b>DATE: 01.05.2025</b>                                                             |
| <b>WORKSHEET NO: 5</b><br><b>With answers</b>                                     | <b>UNIT 5: GREEN SKILLS</b>                                                  | <b>NOTE:</b><br><b>A4 FILE FORMAT</b>                                               |
| <b>NAME OF THE STUDENT:</b>                                                       | <b>CLASS &amp; SEC: X -A to X -I</b>                                         | <b>ROLL NO:</b>                                                                     |
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**OBJECTIVE TYPE QUESTIONS (MULTIPLE CHOICE):**

**1. Which of the following is an example of sustainable development?**

- a) Deforestation for urban expansion
- b) Use of renewable energy sources
- c) Overuse of underground water resources
- d) Industrial pollution

**2. What is a major problem related to sustainable development?**

- a) Lack of technology
- b) Unlimited natural resources
- c) Overconsumption and depletion of resources
- d) Industrial revolution

**3. Which energy source is most sustainable?**

- a) Coal
- b) Natural gas
- c) Solar energy
- d) Diesel

**4. The major cause of deforestation is:**

- a) Wildlife conservation
- b) Industrial and urban expansion
- c) Soil erosion
- d) Organic farming

**5. Which of the following is NOT a practice of sustainable agriculture?**

- a) Use of chemical pesticides
- b) Organic farming

- c) Crop rotation
- d) Vermi-composting

**6. What is a major threat to clean drinking water?**

- a) Rainwater harvesting
- b) Industrial and domestic waste pollution
- c) Water conservation
- d) Use of solar panels

**7. Which of the following practices helps in reducing deforestation?**

- a) Cutting down trees for agriculture
- b) Using wood for fuel
- c) Planting more trees
- d) Constructing more roads in forests

**8. Which of the following is NOT a renewable resource?**

- a) Wind energy
- b) Solar energy
- c) Petroleum
- d) Hydropower

**9. What does "recycling" help with?**

- a) Increasing waste production
- b) Reducing the use of natural resources
- c) Increasing pollution
- d) Deforestation

**10. How many sustainable development goals are given by the United Nations?**

- (a) 18
- (b) 17
- (c) 15
- (d) 20

### **Short Answer Questions (2 Marks)**

1. Define sustainable development.
2. List any two ways in which you can use resources sustainably.
3. Mention any two Sustainable Development Goals (SDGs).
4. Why are more and more trees cut down?
5. What are the core skills required by a person who wants to contribute towards environment?

### Descriptive Questions (4 Marks)

1. Why is sustainable development important?
2. What is the role of education towards sustainable development?
3. How can consumers and producers be responsible about our own environment?
4. What are the basic ways in which people can help towards Sustainable Development Goals.?
5. What are the problems related to sustainable development.

### ANSWERS

|     | <b>OBJECTIVE TYPE QUESTIONS (MCQ)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| 1   | b) Use of renewable energy sources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2   | c) Overconsumption and depletion of resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3   | c) Solar energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4   | b) Industrial and urban expansion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5   | a) Use of chemical pesticides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 6   | b) Industrial and domestic waste pollution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7   | c) Planting more trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 8   | c) Petroleum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9   | b) Reducing the use of natural resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10. | (b) 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|     | <b>Short Answer Questions (2 Marks)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1   | Sustainable development is the development that satisfies the needs of the present without compromising the capacity of future generations, guaranteeing the balance between economic growth, care for the environment and social well-being.                                                                                                                                                                                                                                                                                                                               |
| 2   | Ans. The two ways in which we can use resources sensibly are:<br><b>Clean Water and Sanitation:</b> We must make efforts to make India free of open defecation by building toilets and creating awareness towards sanitation. We must take measurable steps by promoting awareness to keep water sources clean.<br><b>Affordable and Clean Energy:</b> Using solar power i.e. Power generated using the sun does not cause pollution as it does not require burning of non-renewable fuels, such as coal. Use of biogas is also an eco-friendly alternative to natural gas. |
| 3   | There are 17 Sustainable Development Goals (SDGs) two of them are poverty, gender equality. (any two)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 4   | We are using a lot of wood from trees as fuels and for construction of homes and furniture. As more and more trees are being cut, it is affecting the climate of the place.                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5   | The core skills required by a person who wants to contribute towards environment include environmental awareness and willingness to learn about sustainable development.                                                                                                                                                                                                                                                                                                                                                                                                    |
|     | <b>Descriptive Questions (4 Marks)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1   | <b>Importance of Sustainable Development:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|   | <ol style="list-style-type: none"> <li>1. <b>Preserves Resources for Future Generations</b> – Rapid consumption of natural resources may create serious environmental problems for future generations.</li> <li>2. <b>Manages Increasing Consumption</b> – With population and income growth, the demand for goods is rising, leading to higher resource utilization. Sustainable development ensures balanced consumption.</li> <li>3. <b>Prevents Environmental Destruction</b> – A new development strategy is needed to avoid harming the environment while promoting growth.</li> <li>4. <b>Encourages Sustainable Lifestyles</b> – Individuals must adopt sustainable practices in daily life to reduce resource wastage.</li> <li>5. <b>Ensures Careful Utilization of Resources</b> – Since natural resources are scarce, their responsible use is necessary for long-term survival.</li> <li>6. <b>Supports Eco-friendly Agriculture</b> – Sustainable farming methods help in maintaining soil health, water quality, and biodiversity by avoiding harmful chemicals.</li> </ol> |
| 2 | <p>Education is the most important factor for sustainable development. Children who have gone to school will be able to do jobs so that they can take care of themselves and their families.</p> <p>Education helps us become aware of our role as a responsible citizen. We should</p> <ol style="list-style-type: none"> <li>1. use the facilities present in our areas.</li> <li>2. take our friends to school.</li> <li>3. help friends in study.</li> <li>4. stop friends from dropping out of school.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3 | <p>Responsible Consumers and Producers: We can become responsible about our own environment by</p> <ol style="list-style-type: none"> <li>1. reusing paper, glass, plastic, water, etc.</li> <li>2. taking cloth bags to market carrying fruits and vegetables.</li> <li>3. donate things we do not use such as clothes, books, furniture, food, etc.</li> <li>4. Buy and eat seasonal fruits and vegetables from local growers.</li> <li>5. Repair leaking taps and pipes to avoid wasting water.</li> <li>6. Sort and treat garbage before disposing.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4 | <p>Some basic ways in which people can help towards Sustainable Development Goals.</p> <p>Quality Education is the most important factors for sustainable development. Children who have gone to school will be able to do jobs so that they can take care of themselves and their families. Education helps us become aware of our role as a responsible citizen. We should</p> <ol style="list-style-type: none"> <li>1. use the facilities present in our areas.</li> <li>2. take our friends to school.</li> <li>3. help friends in studies.</li> <li>4. stop friends from dropping out of school.</li> </ol> <p>Clean Water and Sanitation We must make efforts to make India free of open defecation by building toilets and creating awareness towards Industrial is sanitation. pollution polluting our water resources, which in near future will cause scarcity of clean drinking and usable water. We must take measurable steps by promoting awareness to keep water sources clean.</p>                                                                                        |

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|   | Affordable and Clean Energy Using solar power i.e., power generated using the sun does not cause pollution as it does not require burning of non-renewable fuels, such as coal. We are making efforts to increase the solar power generation so that our electricity needs are met and at the same time we do not pollute the environment or use up natural resources. Use of biogas is also an eco-friendly alternative to natural gas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5 | <p>Three major problems related to sustainable development are:</p> <p>(a) Food: The amount of rich, fertile land needed to grow crops, such as wheat, rice, etc., is becoming less as we are using up more and more land for other purposes. Soil nutrients are also getting depleted and lots of chemicals are spoiling the soil due to use of chemical fertilisers.</p> <p>(b) Water: We use fresh water from rivers and ponds for drinking and cleaning but dump garbage into them. The rivers and ponds are getting polluted. This way after several years, we will have no clean water for our use.</p> <p>(c) Fuel: We are using a lot of wood from trees as fuels and for construction of homes and furniture. As more and more trees are being cut, it is affecting the climate of the place. Extreme weather conditions, such as floods, extreme cold or heat, are seen in many places, which affect the people living there.</p> |

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