



# INDIAN SCHOOL AL WADI AL KABIR

<b>Class: IX</b>	<b>Department: Computer Science</b>
<b>Worksheet No: 5</b>	<b>ARTIFICIAL INTELLIGENCE</b>

## PART A: UNIT-5: GREEN SKILLS

**1. How is sustainable development defined in the 1987 Brundtland Report?**

- A) Development that focuses only on urban expansion.
- B) **Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.**
- C) Development that prioritizes industrial growth over the environment.
- D) Development that uses all available natural resources immediately.

**2. Which of the following is considered an "inexhaustible" natural resource?**

- A) Coal
- B) Petroleum
- C) **Solar radiation**
- D) Natural gas

**3. In which year were the Sustainable Development Goals (SDGs) launched at the United Nations Summit?**

- A) 1987
- B) 2010
- C) **2015**
- D) 2018

**4. A "Green Economy" is one that results in improved human well-being and social equity while significantly reducing:**

- A) Corporate profits.
- B) **Environmental risks and ecological scarcities.**
- C) The use of all digital technology.
- D) International trade.

**5. Green growth aims at achieving economic growth that is environmentally sustainable and:**

- A) Geographically restricted.
- B) **Socially inclusive.**
- C) Politically motivated.
- D) High carbon-intensive.

**6. Which of these is a "non-renewable" resource that cannot easily be replaced once destroyed?**

- A) Water
- B) **Fossil fuels**
- C) Wind power
- D) Solar energy

**7. Soil conservation involves checking soil erosion and improving fertility through which of the following methods?**

- A) Overgrazing
- B) **Terracing and contour ploughing**
- C) Deforestation
- D) Chemical-heavy farming

**8. Which resource provides wood for furniture, Railway sleepers, and medicinal products like gums and spices?**

- A) Land resources
- B) Mineral resources
- C) **Forest resources**
- D) Water resources

**9. What is the primary purpose of conducting a "resource audit"?**

- A) To increase the price of goods.
- B) To hire more factory workers.
- C) **To examine the consumption of resources and take measures to conserve them.**
- D) To find new locations for mining.

**10. Which method of water conservation involves storing water and recharging groundwater?**

- A) **Rainwater harvesting**
- B) Deforestation
- C) Industrial effluent release
- D) Over-irrigation

**11. The "greenhouse effect" leads to global warming because certain gases:**

- A) Create holes in the atmosphere.
- B) **Trap and prevent the earth's heat from escaping.**
- C) Reflect all sunlight back into space.
- D) Increase the amount of oxygen in the air.

**12. Which layer in the atmosphere protects the earth from harmful radiation from the sun?**

- A) The Carbon layer
- B) The Methane layer
- C) **The Ozone layer**
- D) The Nitrogen layer

**13. Pollutants that break down into simpler, harmless substances naturally are called:**

- A) **Biodegradable pollutants.**
- B) non-biodegradable pollutants.
- C) Inorganic pollutants.
- D) Synthetic pollutants.

**14. Which of the following is an example of a "non-biodegradable" pollutant?**

- A) Vegetable waste
- B) **Plastics**
- C) Paper
- D) Cattle dung

**15. Acid rain, droughts, and floods are often results of which type of pollution?**

- A) Land pollution
- B) **Air pollution**
- C) Noise pollution
- D) Visual pollution

**16. The "3 Rs" of modern waste management stand for:**

- A) Refine, Rebuild, Restore.
- B) **Reduce, Reuse, Recycle.**
- C) Remove, Replace, Retain.
- D) Research, Record, Report.

**17. "Swachh Cooperative" in Pune is an example of a green project that integrates which group into the waste management system?**

- A) Corporate executives
- B) **Waste pickers**
- C) Software engineers
- D) University students

**18. The "Modern DEEP Chulha" was designed to reduce the consumption of wood by:**

- A) 10%
- B) 25%
- C) **50%**
- D) 90%

**19. Bio-toilets use which of the following to convert human waste into water for flushing or irrigation?**

- A) Chemical acids
- B) **Aerobic bacteria**
- C) High-heat furnaces
- D) Solar filters

**20. A "green consumer" is defined as someone who:**

- A) Always buys the most expensive products.
- B) **Only purchases products that are environment-friendly or eco-friendly.**
- C) Prefers products with heavy plastic packaging.
- D) Avoids using public transportation.

**21. When is "Green Consumer Day" celebrated each year?**

- A) June 5
- B) **September 28**
- C) August 15
- D) December 1

**22. Which of the following is a green job in the energy sector?**

- A) **Solar cell technician**
- B) Coal miner
- C) Petrol pump attendant
- D) Nuclear waste handler

**23. In the construction sector, a green worker might be involved in:**

- A) Building standard high-rise apartments.
- B) **Increasing the efficiency of existing buildings through energy audits.**

- C) Manufacturing plastic pipes.
- D) Mining iron ore for steel.

**24. Which green job is associated with the agriculture sector?**

- A) Clean car engineer
- B) **Organic farmer**
- C) Eco-tour guide
- D) Green builder

**25. Technical skills, knowledge, values, and attitudes needed in the workforce to support sustainable outcomes are known as:**

- A) Digital skills.
- B) Entrepreneurial skills.
- C) **Green skills.**
- D) Communication skills.