

Social Awareness

Resources & Development

Check Your Concepts

Q.1. Match the following:

Directions: Given below are two columns - column I and column II. Match the two columns and write the correct answer in the given blank grid.

1. Match the following:

Column – I		Column – II	
(A)	Iron ore	(i)	Orissa
(B)	Coal	(ii)	Subarnarekha
(C)	Limestone	(iii)	Singhbhum
(D)	Water	(iv)	Sundergarh
(E)	Labour	(v)	Raniganj
(F)	Petroleum	(vi)	Southern California
(G)	Water Energy	(vii)	Norway
(H)	Wind Energy	(viii)	Persian Gulf

2. Match the following:

Column – I		Column – II	
(A)	Cuttack	(i)	Tapti
(B)	Haridwar	(ii)	Jhelum
(C)	Srinagar	(iii)	Bhima
(D)	Nasik	(iv)	Mahanadi
(E)	Tiruchirapalli	(v)	Mutha
(F)	Kota	(vi)	Godavari
(G)	Surat	(vii)	Betwa
(H)	Pune	(viii)	Chambal
(I)	Pandharpur	(ix)	Ganga
(J)	Jhansi	(x)	Kaveri

3. Match the following:

Column – I		Column – II	
(A)	The research stations of India at Antarctica	(i)	Indira Gandhi
(B)	A French colony before it was included in India	(ii)	Marina
(C)	The southern-most point of India mainland	(iii)	Hirakud
(D)	The Longest Canal	(iv)	Briyawali
(E)	The Longest Dam	(v)	Barren Island
(F)	The Longest Beach	(vi)	Deccan
(G)	The Coldest Place	(vii)	Drass
(H)	The Hottest Place	(viii)	Kanyakumari
(I)	The active Volcano	(ix)	Pondicherry
(J)	The Largest Plateau	(x)	Maitri

Q.2. Fill in the blanks:

Directions: Complete the following statements with an appropriate word / term to be filled in the blank space(s).

- Plateaus have rich soil in _____.
- _____ gives us primary as well as secondary food products.
- _____ is the main occupation of people in Australia.
- The distribution of fresh water in the world is _____.
- The water in oceans is _____.
- It is likely that by A.D. _____ countries would face water scarcity.
- Half the world's total of _____ are in _____ alone.
- _____ in water can damage the _____ system.
- Species of plants are called _____ and of animals _____.
- The biotic associations are known as _____.
- A future threat to plant and animal life is _____.
- The offshore oil field in India is at _____.
- Main importer of Indian iron ore is _____.
- The deepest gold mine in the world is at _____.
- Agri means soil and _____ means cultivation or tilling or soil.
- The main feature of commercial agriculture is crop _____.
- Plantation farming requires large _____ and therefore it is undertaken by large companies.
- _____ is a mineral resources.
- _____ is a potential resource from forests.

20. _____ is a technique of degrading land.
21. _____ is the percentage of earth's fresh water resources.
22. _____ is the ratio of length of channels and area of drainage basin.
23. In the process of photosynthesis, plants use _____ in the presence of _____ to make their own food.
24. Man has replaced natural vegetation by _____ vegetation.
25. _____ plants shed leaves in a particular season.
26. _____ have been made for preservation of wildlife.
27. _____ is an endangered medicinal plant.
28. Felling of trees is allowed in _____ forest.
29. Ferrous metals contain _____.
30. _____ energy is in exhaustible source of energy.
31. Tea is a chief crop of _____ agriculture.
32. Rice seeds need temperature between _____ to _____ germinate.
33. Silica sand is a _____ source of fibres.
34. _____ is practice where the girl child was killed at birth.
35. Population density means _____ number of people living per square kilometer.
36. Mountains are the most _____ features of the Earth.
37. The plains provide the most favourable conditions for _____ and _____.
38. The peninsular plateau is the _____ block of India.

Q.3. True / False:

Directions: Read the following statements and mark your response as true or false. Rewrite the correct statement(s) in the box provided below, in case of false statement(s).

- | | | | |
|----|--|---|---|
| 1. | Animals are destroying resources to meet their needs. | [|] |
| 2. | Resources planning is essential for development of a country. | [|] |
| 3. | Plains are rich in density of population. | [|] |
| 4. | Mount Abu is an example of Plateau. | [|] |
| 5. | By 2025, 65 countries are likely to face water shortage. | [|] |
| 6. | Effluents discharged in water pollute. | [|] |
| 7. | Grasslands have larger biomass than forests. | [|] |
| 8. | Hydroelectricity is a non-pollutant way of generating electricity. | [|] |
| 9. | Thermal power is a fuel for the future. | [|] |

- | | | | |
|-----|--|---|---|
| 10. | Female infanticide is a cause of adverse sex ratio. | [|] |
| 11. | Rise or fall of population is described as population change. | [|] |
| 12. | Migration does not affect population density. | [|] |
| 13. | Ground water gets polluted by sewage from landfills. | [|] |
| 14. | Lead is harmless for animals and humans. | [|] |
| 15. | We waste significant amount of important water resources. | [|] |
| 16. | Water harvesting is effective only in villages. | [|] |
| 17. | Population pyramid determines the sex composition. | [|] |
| 18. | Average life expectancy is the average number of years a person is expected to live. | [|] |

Q.4. Correct these sentences:

1. Water is an dispensable resource because all types of life are dependent on it.

Ans.
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.....

2. Resource are classified as biotic and abiotic on the basis of their nature.

Ans.
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.....

3. The judicious use of resources and preventing their waste is known as preservation of resources.

Ans.
.....
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4. Developed countries use more minerals than developing countries.

Ans.
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.....

5. Air is the thin upper layer of the Earth's crust made up of disintegrated ozone and decayed remains of plants and animals.

Ans.
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.....

6. Erosion of soil occurs when irrigation is not accompanied by drainage.

Ans.
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.....

7. Two major problems that effect soil as a result of over irrigation are acidity and water logging.

Ans.
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.....

8. Rocks that contain large deposits of oil and gas are called metamorphic rocks.

Ans.
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.....

9. The Voltaic cells convert sunlight directly into electricity.

Ans.
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.....

10. Twenty per cent of the world's electricity comes from coal power.

Ans.
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11. The best quality of coal with 90% carbon is bituminous coal.

Ans.
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.....

12. Brass is obtained by mixing copper and tin.

Ans.
.....
.....

13. The size and density of vegetation decreases with a decrease in the amount of temperature.

Ans.
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.....

14. Thorn forests can survive even in very cold rainfall.

Ans.
.....
.....

15. National Park and Wildlife forests have been established to protect and conserve wildlife.

Ans.
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.....

16. Endangered animal species are cows and buffaloes.

Ans.
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.....

17. The largest producer of iron and steel is Japan.

Ans.
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.....

18. The country with the largest chemical industry is Sudan.

Ans.
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.....

19. An industry which is capital intensive is Handicraft.

Ans.
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.....

Q.5. Give answer in One Word a sentence:

1. From where do we obtain a resource.

Ans.
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.....

2. What is the percentage of salt and fresh water on the earth?

Ans.
.....
.....

3. Name two regions where forests are hardly seen.

Ans.
.....
.....

4. What is recycling?

Ans.
.....
.....

5. What are the sources of thermal energy?

Ans.
.....
.....

6. Mention any two factors which influence land use

Ans.
.....
.....

7. Into which two kingdoms are all organisms divided?

Ans.
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.....

8. Name the interacting sphere of lithosphere, hydrosphere and atmosphere.

Ans.
.....
.....

9. Name the feeding relationship between various organisms.

Ans.
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.....

10. Name the process through which green plants produce their own food in the presence of sunlight.

Ans.
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.....

11. Name the trees which shed their leaves during a particular season.

Ans.
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.....

12. Give any one area of India where copper is found.

Ans.
.....
.....

13. Give any one area where bauxite is found.

Ans.
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.....

14. Name the farming activity carried out chiefly with the help of manpower.

Ans.
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.....

15. Name the term used for nature of access to land use.

Ans.
.....
.....

16. Name the slash and burn method of agriculture.

Ans.
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.....

17. Give a name of a Genetically Modified Crop.

Ans.
.....
.....

18. State the most important use of uranium.

Ans.
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.....

19. Where is the geothermal power plant set up in India.

Ans.
.....
.....

20. In which countries has cooperative farming proved successfully.

Ans.
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.....

21. What type of an industry is jointly managed by whom?

Ans.
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.....

22. Name the industry which is largely dependent on skilled labour.

Ans.
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.....

23. Which country is the major producer and exporter of aircrafts?

Ans.
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24. What are the remains of vegetation and animals that have decayed called?

Ans.
.....
.....

25. Name the programme undertaken by the goverment to conserve flora and fauna.

Ans.
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.....

26. What is an assemblage of plant species growing together in a region called?

Ans.
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27. What do we call the trees that do not shed all their leaves at one time in any season of the year.

Ans.
.....
.....

28. The process of the amount of water loss from plants by transpiration, evaporation from the soil and surface water is called what?

Ans.
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.....

29. What is the average number of persons per sq km called?

Ans.
.....
.....

30. What do we call the gap between birth rate and death rate over a year per 1000 population of a given region?

Ans.
.....
.....

31. What is the term used to denote the people aged between 15-65 years who are earning wages in some form or another?

Ans.
.....
.....

32. What do we call the movement of people in and out of an area?

Ans.
.....
.....

33. What are four types of values associated with a resource?

Ans.
.....
.....

34. Give three examples of renewable resources.

Ans.
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.....

Q.6. Multiple choice questions:

Directions: Read the following questions and choose the answer that best answers the questions.

- 1.** What do you mean by natural resources?
(a) All things
(b) Any material that constitutes part of the Earth and is used and valued by human beings
(c) All manmade materials
(d) All of them

- 2.** Which one of the following is an example of a resource having ethical value?
(a) National Parks (b) Mountains (c) Clean air (d) Water

- 3.** What is 'Sedentary Agriculture'?
(a) Farming of land at different sites
(b) Farming of land at a fixed location instead of moving from one site to another
(c) Farming of cereals and pulses
(d) None of them

- 4.** Economic development refer to
(a) Change in the rate of population growth
(b) Change in the natural resources
(c) Change in the amount, composition, rate of growth, distribution and consumption of natural resources
(d) None of them

- 5.** What is meant by 'Sustainable development'?
- (a) Use of non-renewable resources without thinking properly
 - (b) Use of all kinds of natural resources to meet the demand of the growing population intensively
 - (c) Utilizing all resources carefully so that besides the needs of present generation, needs of future generation is also taken care of
 - (d) None of them
- 6.** Physical factors responsible for soil erosion is/are
- (a) Slope of the land
 - (b) Intensity of rainfall
 - (c) Velocity of wind blowing in that area
 - (d) All of them
- 7.** What is /are the method(s) for conserving the soil?
- (a) Minimizing the use of natural resources
 - (b) Finding ways and means of utilizing these resources in a planned manner
 - (c) Looking for alternate resources
 - (d) All of them
- 8.** What is terrace farming?
- (a) Cutting steps in the mountain area for farming
 - (b) By making steps for farming in the plains
 - (c) Cutting steps near rivers
 - (d) None of them
- 9.** What are Shelter belts?
- (a) In regions where too much rain shelters are made to conserve soil
 - (b) To conserve soil, shelters are made
 - (c) In dry regions, rows of trees are planted to check erosion from strong winds
 - (d) None of them
- 10.** How much water is always in the form of water vapor in the atmosphere?
- (a) 10%
 - (b) 0.1%
 - (c) 0.001%
 - (d) 0.01%

- 11.** What is a sprinkler used for?
(a) Harvesting (b) Irrigation (c) Contaminating (d) Intoxicating
- 12.** Which of the following is hazardous to health?
(a) Salt (b) Dissolved Calcium Carbonate
(c) Iron (d) Lead
- 13.** What is smelting?
(a) It is the process of smelling any object.
(b) It is a process of separating metals from their ores by the use of heat.
(c) It is boiling of liquids.
(d) All of them
- 14.** Gold and Silver are found as ores in _____ rocks.
(a) Sedimentary (b) Clay (c) Igneous (d) none of them
- 15.** Which quality of copper makes it important for electrical industry?
(a) It is a metal (b) It is a very good conductor of electricity
(c) It is ductile (d) It is malleable
- 16.** What is meant by recycling of metals?
(a) Taking the metals cycle form one place to another
(b) Using the discarded metals once again
(c) Mixing the discarded metals with paper
(d) Washing the metals and polishing them
- 17.** Bhakra Nangal, Hirakund, Rihand and Nagarjuna Sagar are examples of ;
(a) Solar energy plant (b) Hydroelectricity project
(c) Wind energy product (d) None of them
- 18.** _____ cells convert sunlight directly into electricity.
(a) Blood (b) Photogenic (c) Photovoltaic (d) White blood

- 19.** What is Geothermal Energy?
(a) It is muscular energy
(b) It is energy produced by human
(c) It is the natural heat found in the interiors of the earth
(d) None of them
- 20.** What is meant by 'Biomes'?
(a) Group of animals living in similar climatic conditions
(b) Human beings having similar physical characteristics living together
(c) Areas having same kind of soil
(d) Distinct groups of plant communities in areas having similar climatic conditions
- 21.** _____ is required for all types of works and movements.
(a) Energy (b) Force (c) Motion (d) Environment
- 22.** _____ is the radiant energy that reaches the surface of the earth from the sun.
(a) Atmosphere (b) Ozone layers (c) Insolation (d) Ecosystem
- 23.** Atmosphere with excess of carbon dioxide as a result of pollution could result.
(a) In fall in temperature (b) In rise in temperature
(c) In constant temperature (d) All of the above
- 24.** What do you mean by 'reserved forests'?
(a) Reserved for local use (b) Reserved for commercial exploitation.
(c) Reserved for hunting (d) Reserved for growing medicinal herbs
- 25.** The water pollution in rivers is measured by the dissolved amount of
(a) Chlorine (b) Ozone (c) Nitrogen (d) Oxygen
- 26.** Respiratory diseases such as bronchitis and pneumonia increase due to
(a) Water pollution (b) Air pollution (c) Sound pollution (d) none of these

- 27.** Which of the following has advantages of dams?
1. Generation of hydroelectricity and providing irrigation facilities.
 2. Controlling flood.
 3. Destroy the natural flow and alter the ecosystem of the river basins.
 4. They create environmental problems.
- (a) 1, 2 and 4 (b) 1, 2, 3 and 4 (c) 1, 2 and 3 (d) 1 and 4
- 28.** Crop specialization is a form of farming used in
- (a) Sustainable Agriculture (b) Commercial Farming
(c) Plantation Agriculture (d) None of them
- 29.** In which of the following countries is/are Commercial Farming done?
- (a) Canada (b) Russia (c) Argentina (d) All of them
- 30.** In which type of Farming the crops are combined with livestock?
- (a) Mixed Farming (b) Commercial Farming
(c) Extensive Farming (d) Intensive Farming
- 31.** What is the appropriate temperature for growing millets?
- (a) 120-135 °C (b) 25-30 °C (c) 100-108 °C (d) 90-120 °C
- 32.** How much annual rainfall does a cotton plant require?
- (a) 100-150 cm (b) 80-130 cm (c) 60-100 cm (d) 32-54 cm
- 33.** Which region of the world is the major buyer of wheat?
- (a) U.S.A. (b) Australia (c) India (d) Europe
- 34.** Which country is the leader in the international jute market?
- (a) Bangladesh (b) Nepal (c) Pakistan (d) Japan
- 35.** Which of these crops is a fibre crop?
- (a) Jute (b) Wheat (c) Rice (d) Millet

- 36.** What is glass made from?
(a) Copper (b) Iron (c) Silica Sand (d) Sulphur
- 37.** Who were the earliest tea drinkers?
(a) Japanese (b) Chinese (c) Indian (d) None of them
- 38.** Industry, whose goods are directly used by consumers are called
(a) Basic industry (b) Consumer based industry
(c) Mineral based industry (d) None of these
- 39.** Which of these methods would be generally used by the automobile industry to reduce the overall cost of transportation?
1. Mass marketing 2. Mass production
3. Minimisation of Cost 4. Globalisation of Production
(a) 1 only (b) 1 and 2
(c) 1, 2 and 3 (d) 1, 2 and 4