



BIOLOGY

BOOKS - CHETANA PUBLICATION

ENVIRONMENTAL MANAGMANT

Exersize

1. Which natural calamities have you experienced? How did they affect the conditions in your surroundings?



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2. How will you make a plan to be safe from calamities or to minimize the damage?



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3. How does the atmosphere affect our daily life?



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4. Forecasts about which weather related factors are given during the news bulletins on Doordarshan and Akashvani?



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5.is a long term predominant condition of the atmosphere.

A. Climate

B. Weather

C. Pressure

D. Biosphere

Answer:



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6. Various climatic factors like..... considered during construction of runways, seaports, huge bridges and skyscrapers, etc.

A. Direction and speed of wind

B. Temperature

C. Atmospheric pressure

D. All of these

Answer:



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7. The.....was established by the United Nations Organization on 23rd March 1950.

A. World Health Organization

B. National Oceanographic and Atmospheric Administration.

C. World Meteorological Organization

D. Indian Institute of Tropical Meteorology

Answer:



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8.is / are related to various weather and climatic factors.

A. Salinity of marine water

B. Formation of ocean currents

C. Water cycle

D. All of these

Answer:



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9.is the founder of IMD

A. Dr. Vasant Rao Govarikar

B. H.F. Blanford

C. Sir Gilbert Walker

D. Dr. Radhakrishnan Nair

Answer:



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10. The monsoon model based upon 16 worldwide parameters was developed by the initiative of.....

A. Dr. Vasantha Govarikar

B. H.F. Blanford

C. Sir Gilbert Walk

D. Virghese Kurien

Answer:



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11. in.....forecasts are made taking into account the estimates of current weather related events and ongoing physical activity.

- A. Statistical model
- B. Holistic model
- C. Mathematical model
- D. All of these

Answer:



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12. in....predictions are based upon those parameters used in other models which have the greatest effect on the monsoon.

A. Holistic model

B. Mathematical model

C. Statistical model

D. Scientific model

Answer:



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13. Radioactive materials, explosives and infectious materials are classified as..... waste.

- A. Industrial waste
- B. Biomedical waste
- C. Urban waste
- D. Hazardous waste

Answer:



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14.is the 3R mantra.

- A. Refuse, Research, Recycle

B. Reduce, Reuse, Recycle

C. Reduce, Reuse, Refuse

D. Rethink, Recycle, Reuse

Answer:



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15. Waste food, paper, plastic, vegetable and fruit waste etc. are classified as....waste.

A. Industrial waste

B. Electronic waste

C. Domestic waste

D. Urban waste

Answer:



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16.are Radioactive waste...

A. Remains of heavy metals like arsenic,
cadmium etc.

B. Strontium-10, Cerium-141, Barium - 140

C. Waste from blood banks and
laboratories

D. All of these

Answer:



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17.is the largest producer of electricity
from solid waste.

A. India

B. America

C. Japan

D. China

Answer:



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18. Chemicals, pigments, sludge, ash, metals, etc. are classified as....waste.

A. Domestic waste

B. Industrial waste

C. Urban wast

D. Hazardous waste

Answer:



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19. Period of natural degradation for banana peels is....

A. 1 month

B. 1-2 weeks

C. 3-4 weeks

D. 2 months

Answer:



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20. Period of natural degradation for cloth bags is.....

A. 2-3 weeks

B. 1month

C. 5months

D. 1year

Answer:



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21. Period of natural degradation for wood is...

A. 1month

B. 5 months

C. 10-15 years

D. 40-50 years

Answer:



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22. Period of natural degradation for certain plastic bags is.....

A. 50-100 years

B. infinite duration

C. 10 lakh years

D. 1000 years

Answer:



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23. Period of natural degradation for thermocol or Styrofoam cup is.....

A. 10 lakh years

B. Infinite duration

C. 200-250 years

D. 1year

Answer:



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24. If any bone is fractured, it is essential that the fractured part be.....

A. mobilized

B. immobilized

C. pulled

D. massaged

Answer:



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25. For transporting children and under-weight victims,.....method is used.

A. carrying piggy back

B. human crutch method

C. cradle method

D. stretcher

Answer:



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26.method is useful to carry patients who are unconscious

A. Cradle Method

B. Carrying piggy back

C. Human crutch

D. Carrying on four-hand chair

Answer:



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Exercise

1.method is used for carrying an unconscious patient through a short distance.

- A. Carrying piggy back
- B. Cradle method
- C. Carrying on two-hand chair
- D. Pulling or lifting method

Answer:



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2.method is useful to carry patients who cannot use their hands but can hold their body upright.

A. Carrying on four-hand chair

B. Carrying on two-hand chair

C. Carrying piggy back

D. Cradle method

Answer:



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3.method is used to carry patients when support is needed for the part below the waist

A. Carrying on four-hand chair

B. Carrying on two-hand chair

C. Stretcher

D. Pulling or lifting method

Answer:



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4. For injuries like sprains, twisting and contusion, should be applied on the on injured part

A. turmeric powder

B. antiseptic pad

C. ice-pack

D. pressure

Answer:



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5. Find the odd man out:

Waste food, paper, plastic, bandages



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6. Find the odd man out:

Pesticides, fertilizers, crop residue, sludge.



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7. Find the odd man out:

Strontium - 10, Cerium - 141, Barium - 140,

Cadmium.



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8. Find the odd man out:

Banana peels, cloth bag, food waste, plastic bag.



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9. Find the odd man out:

Fruits, ash, metals, vegetables.



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10. Complete the analogy:

Specific duration and specific time: Weather : :

Longer duration and longer time :.....



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11. Write the correlated terms.

Mumbai: 5000 tonnes of solid waster : : Pune :

.....



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12. Complete the analogy:

Kitchen waste, parts of plants:Wet solid waste

:: Plastic, metals:.....



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13. Complete the analogy:

Largest producer of electricity from solid

waste : America : : Production of useful

materials from banana peelings.



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14. Complete the analogy:

Cloth bags:1month : :Rags:.....



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15. Complete the analogy:

Tin cans : 50-100 years : : Aluminium cans
:.....



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16. Complete the analogy:

Wood :10-15 years: : Styrofoam:.....



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17. Match the columns:

Column 'A'	Column 'B'
(1) Harmful waste	(a) Glass, rubber, carry bags etc.
(2) Domestic waste	(b) Chemicals, pigments, ash, etc.
(3) Biomedical waste	(c) Radioactive material
(4) Industrial waste	(d) Left over food, vegetables, peeling of fruits
(5) Urban waste	(e) Bandages, cotton, needles, etc.



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18. Match the columns:

Column 'A'	Column 'B'
(1) Mining waste	(a) Leaves, flowers, crop residue.
(2) Electronic waste	(b) Remains of heavy metals like lead, arsenic, cadmium.
(3) Farm waste	(c) Strontium-10, Cerium-141, Barium-140
(4) Radioactive waste	(d) Cell phones, TV sets, Computers



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19. Match the columns:

Column 'A'	Column 'B'
(1) Banana peels	(a) 10 lakh years.
(2) Plastic bags	(b) 200-250 years.
(3) Leather shoes	(c) 3-4 weeks
(4) Aluminium cans	(d) 40-50 years



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20. Match the columns:

Column 'A'	Column 'B'
(1) Thermocol	(a) 1 year.
(2) Tin cans	(b) Infinite duration.
(3) Woollen socks	(c) 10-15 years
(4) Wood	(d) 50-100 years



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21. State whether the following statements are true or false. Correct the false statements:,
Climate is a long term predominant condition of the atmosphere



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22. State whether the following statements are true or false. Correct the false statements:,

Climate changes continuously.



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23. State whether the following statements are true or false. Correct the false statements:
If present climatic conditions are analysed with reference to the past climatic conditions, we can predict climatic changes of the future.



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24. State whether the following statements are true or false. Correct the false statements:.,
Forecasting is difficult for places where climatic changes are slow and of a limited nature.



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25. State whether the following statements are true or false. Correct the false statements:.,

Climate plays a very important role in the formation and enrichment of soil.



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26. State whether the following statements are true or false. Correct the false statements: Prediction maps are prepared once in 24 hours.



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27. State whether the following statements are true or false. Correct the false statements:,

The first prediction of monsoon in India was made by Dr. Vasant Rao Govariakar.



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28. State whether the following statements are true or false. Correct the false statements:,

H.F. Blanford used the rainfall in Kerala as the parameter for prediction of monsoon in India.





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29. State whether the following statements are true or false. Correct the false statements:,
H.F. Blanford used the rainfall in Kerala as the parameter for prediction of monsoon in India.



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30. State whether the following statements are true or false. Correct the false statements:,
In Holistic model, predictions are made taking

into account estimates of current weather related events and ongoing physical interactions between them



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31. State whether the following statements are true or false. Correct the false statements:,
Use of 'use and throw' type of articles like pens, canned cold drinks, tetra packs should be encouraged in waste management.



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32. State whether the following statements are true or false. Correct the false statement

We should use tissue paper instead of one's own handkerchief for effective waste management.



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33. State whether the following statements are true or false. Correct the false statements;

Certain plastic bags take 1 month to degrade.



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34. State whether the following statements are true or false. Correct the false statements:,
Banana peels can degrade in 3-4 weeks.



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35. State whether the following statements are true or false. Correct the false statements:,

If the victim has bum injuries, it is beneficial to cover the burnt part with blanket.



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36. State whether the following statements are true or false. Correct the false statements:,
CPR helps to bring the circulation to normal.



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37. State whether the following statements are true or false. Correct the false statements:,
If breathing has stopped, the head should be held in backward sloping position.



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38. State whether the following statements are true or false. Correct the false statements:,
Japan is the largest producer of electricity from solid waste.





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39. State whether the following statements are true or false. Correct the false statements:,
China has developed the projects of production of threads, paper and other useful materials from banana peels.



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40. State whether the following statements are true or false. Correct the false statements:,

China has developed the projects of production of threads, paper and other useful materials from banana peels.



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41. Define the following:

Weather



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42. Define the following:

Climate



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43. Define the following:

Meteorology



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44. Define the following:

Solid waste



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45. Define the following:

Urban waste



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46. Why is e-waste harmful? Express your opinion about this.



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47. What is the necessity of solid waste management?



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48. What are the harmful effects of solid waste?



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49. What first-aid should be given for injuries like sprains, twisting and contusion?



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50. Why do meteorological models need to be changed continually?



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51. Explain with suitable examples, the relationship between weather forecasting and disaster management.



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52. What is urban waste? What does it include?



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53. What does biomedical waste include?



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54. What is meant by pollution?



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55. What is meant by solid waste?



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56. What are the different things included in solid waste?



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57. Why is it necessary to recycle non-degradable waste?



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58. Which materials are included in solid dry waste?



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59. Write short notes on:

Meteorology



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60. Write short notes on:

Climatic factors



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61. Write short notes on:

Monsoon model



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62. Write short notes on:

Plastic waste



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63. Write short notes on:

Industrial waste



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64. Write short notes on:

Principles of first aid



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65. Write short notes on:

Mathematic model (Dyanamic model)



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66. Write short notes on:

Statistical Model



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67. Write short notes on:

Holistic Model



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68. Distinguish between:

Weather and Climate:



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69. Distinguish between:

Degradable and non-degradable wastes:



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70. In which different ways do our surroundings get polluted?



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71. Use your brain power:

Which factors are affected favourably or unfavourably by climate? What must we do to minimize this effect?



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72. Into which two categories can the waste materials in the lists above be classified?



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73. Nowadays, an electronic device - the cell phone - is very popular. From a mobile shop near your house, find out how they dispose off old and broken down cell phones.



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74. What are the different types of casualties that are seen to occur in different types of disasters?



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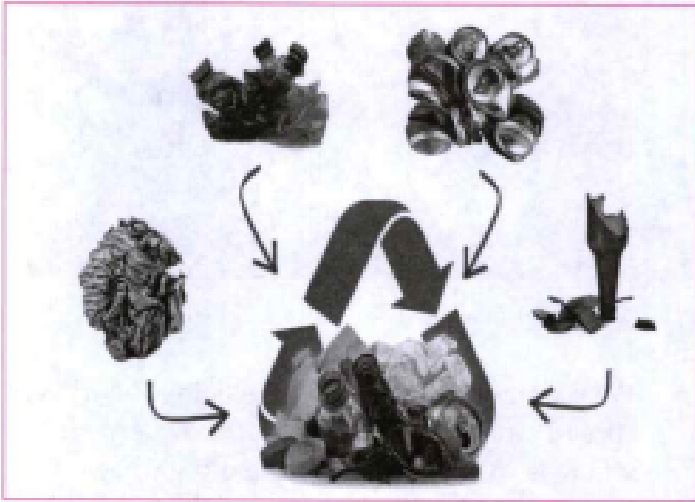
75. Which waste management processes are used in your village / town / city?



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76. Observe the garbage collected in the dustbin of your classroom and make a list of the various materials in it. **Discuss with your teacher, how these materials can be properly disposed of. Can we do the same with the garbage generated in our house? Think about**

it.



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77. What is the main difference between what we see in the two pictures alongside (A and B).



Fig. 9.2: (A)



Fig. 9.2: (B)



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78. What should we do to permanently maintain the condition seen in picture B?



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79. Of the abiotic factors that affect biodiversity by far the most important is.....



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80. A description of the climatic conditions of short duration in a particular area is.....



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81. Irrespective of the progress of human beings, we have to think about.....



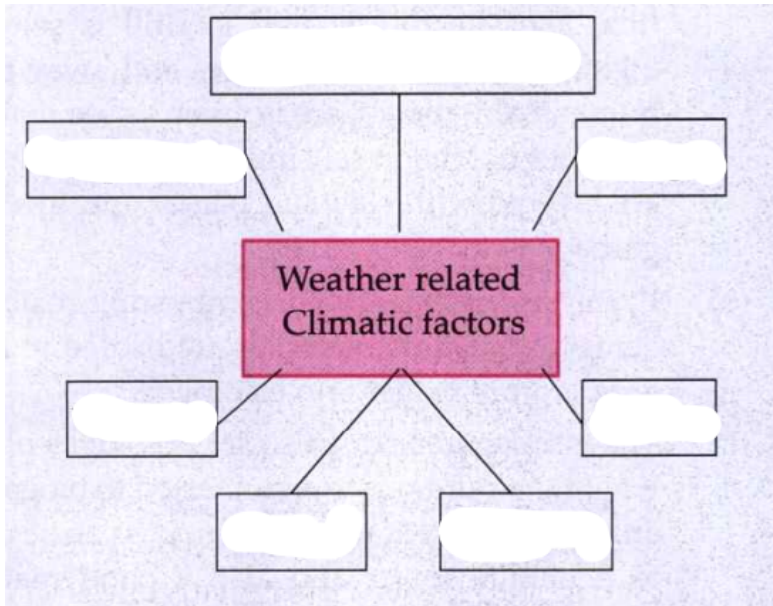
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82. Establishments where various climatic factors are recorded are called.....



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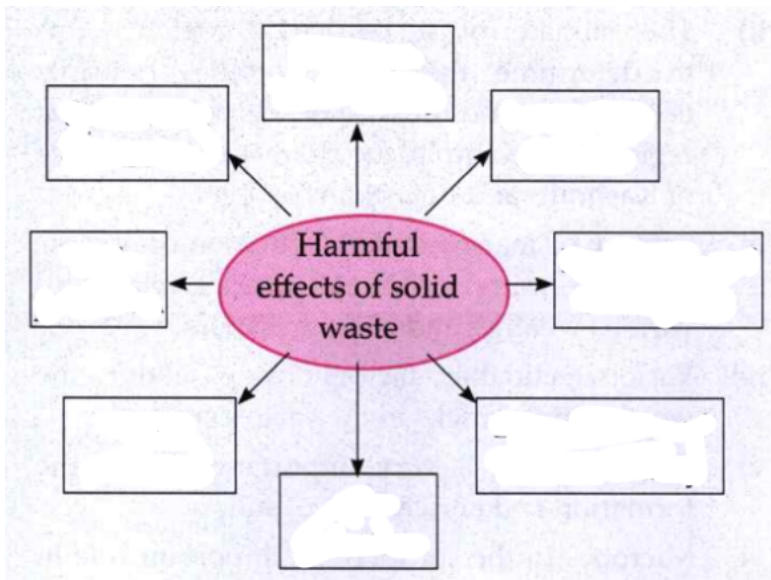
83. Complete the following concept chart:



Weather related climatic factors

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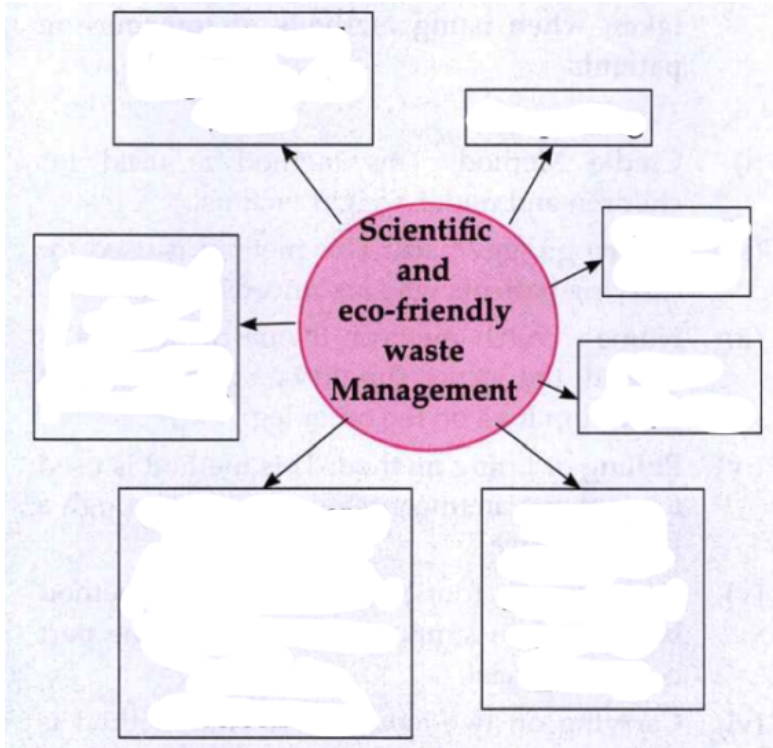
84. Complete the following concept chart:



Harmful effects of solid waste

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85. Complete the following concept chart:



Scientific and eco-friendly waste Management



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86. State the scientific and eco-friendly methods of waste management



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87. How will you register your individual participation in solid waste management?



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88. What are the principles of solid waste management?



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89. What is disaster management? What actions does it include



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90. Give examples of the importance of climate in the living world with explanations, in your own words.



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91. Explain with suitable examples, the care to be taken when using methods of transporting patients.



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92. How is first aid provided to victims of disasters who are injured?



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93. How is Solid Waste classified? OR What are the sources of Solid Waste?



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94. Write short note on Indian Meteorological Department.



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95. in....predictions are based upon those parameters used in other models which have the greatest effect on the monsoon.

A. Holistic model

B. Mathematical model

C. Statistical model

D. Scientific model

Answer:



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96.are Radioactive waste...

**A. Remains of heavy metals like arsenic,
cadmium etc.**

B. Strontium-10, Cerium-141, Barium - 140

C. Waste from blood banks and laboratories

D. All of these

Answer:



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97.method is useful to carry patients who are unconscious

A. Cradle Method

B. Carrying piggy back

C. Human crutch

D. Carrying on four-hand chair

Answer:



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98. For injuries like sprains, twisting and contusion, should be applied on the on injured part

A. turmeric powder

B. antiseptic pad

C. ice-pack

D. pressure

Answer:



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99. Match the columns:

Column 'A'	Column 'B'
(1) Harmful waste	(a) Glass, rubber, carry bags, etc.
(2) Industrial waste	(b) Chemicals, pigments, ash, etc.
	(c) Radioactive material



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**100. State whether the following statements are true or false. Correct the false statements:,
If the victim has bum injuries, it is beneficial to cover the burnt part with blanket.**



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101. State whether the following statements are true or false. Correct the false statements:,

Certain plastic bags take 1 month to degrade.



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102. Why do meteorological models need to be changed continually?



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103. Why is it necessary to recycle non-degradable waste?



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104. Give reasons :

Biomedical wastes are burnt in incinerators.



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105. Write short notes on:

Meteorology



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106. Write short notes on:

Plastic waste



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107. Distinguish between:

Weather and Climate:



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108. Write short notes on:

Principles of first aid



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109. How is first aid provided to victims of disasters who are injured?



Watch Video Solution

110. Explain with suitable examples, the relationship between weather forecasting and disaster management.



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111. Why is e-waste harmful? Express your opinion about this.



Watch Video Solution

112. State the scientific and eco-friendly methods of waste management



Watch Video Solution

113. Explain with suitable examples, the care to be taken when using methods of transporting patients.



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