

# APPENDICES



# ENVIRONMENTAL AWARENESS SCAT (EAS)

Dr. (Mrs.) Haseen Taj

Please fill up the following informations:-

Name:-

Sex:-

School Name:-

## SECTION-1

### INSTRUCTIONS:

For each of the statements 1 to 66, you will find 4 alternatives. There is only one correct answer for each of the items. Select the correct answer and tick mark of Cell of the corresponding alphabet. If you have to erase do it completely. If you mark more than one answer to an item you will get no credit to that answer.

1. Fruits and vegetables must be washed before use because  
(a) By washing they look very colourful (b) it is a habit to do so (c) They would have become poisonous and harmful with the use of pesticides (d) They become more toxic
2. Drinking pond water becomes polluted because of  
(a) Washing and bathing (b) Wind blows (c) Rainfall (d) Silt
3. Suspended impurities in drinking water can cause  
(a) skin and oral cancer (b) cholera and jaundice (c) Head and stomach (d) cold and cough
4. The best way of purifying water is  
(a) Evaporation (b) Decantation (c) Boiling (d) Filtration
5. One of the main sources of communicable disease is  
(a) Contaminated water (b) Uncleaned water (c) Infectious clothes (d) Direct contact
6. Plants should be nurtured and protected because they give out  
(a) Chlorophyll (b) Carbon dioxide (c) Oxygen (d) Nitrogen
7. During respiration humans use  
(a) Nitrate (b) Carbon dioxide (c) Oxygen (d) Methane
8. Drinking water should be free from  
(a) Oxygen (b) Bleaching powder (c) Disease germs (d) Potassium permanganate
9. It is necessary to keep our environment clean, to prevent  
(a) Health (b) Diseases (c) Smell (d) Garbage

10. Tree planting should be encouraged in cities mainly to ensure

- (a) Fruits (b) Fuelwood (c) Fodder to animals (d) pure air

11. Keeping the surroundings of our houses and schools clean is the responsibility of

- (a) Municipalities (b) Health officers (c) Sanitary inspectors (d) All of us

12. While cleaning our house, the unwanted and waste things should be

- (a) thrown to the streets (b) thrown into the running water (c) collected in polythene bags and deposited in dustbins (d) thrown into neighbour compound

13. Stools and urines should be passed

- (a) near ponds (b) in latrines (c) near compound walls (d) on pavements

14. Soil erosion can be prevented by

- (a) Constructing dams (b) stopping rain (c) planting trees (d) building houses

15. The soil carried by flowing water can destroy

- (a) Small plants (b) mountains (c) big plants (d) animals

16. Conversion of cowdung into gobar gas not only solves the fuel and manure, but also c

- (a) soil erosion (b) pollution of environment (c) deforestation (d) waste

17. Humus is very essential for the growth of

- (a) animals (b) plant (c) humans (d) birds

18. The wearing out of soil by the running water is called

- (a) humus (b) fertility (c) soil erosion (d) muddy water

19. The fertility of the soil can be maintained by

- (a) rearing animals (b) planting trees (c) watering sufficiently (d) using chemical fertilizer

20. One of the most important reasons for growing forests is

- (a) to destroy wild animals (b) to remove silt (c) not being able to cultivate (d) to prevent soil erosion

21. Deforestation is mainly because of

- (a) soil erosion (b) Population explosion (c) Whirl wind (d) heavy rainfall

22. Which one of the following is not caused due to destruction of forests

- (a) poor rainfall (b) animals living in forests lose their habitats (c) Soil erosion (d) Water po

23. Organic environment refers to

- (a) all living beings (b) non-living beings (c) animals (d) plants

24. Air pollution can cause  
(a) Cholera (b) Smallpox (c) Lung cancer (d) Vomiting
25. Water and sun are natural sources of  
(a) energy (b) fuel (c) growth (d) heat
26. Fuels should not be wasted because  
(a) they are very expensive (b) they are limited and valuable (c) they create foul smell, when spilled (d) they are dangerous, when burnt
27. Use of solar ovens  
(a) increases environmental pollution (b) decreases environmental pollution (c) increases demand for solar energy (d) increases demand for solar ovens
28. Resources such as water, sunlight, air, plants, hills, soils and metals are called as  
(a) artificial resources (b) natural resources (c) man made resources (d) earth resources
29. The main reason for air pollution is  
(a) household and agricultural emissions (b) industrial and motor vehicle emissions (c) motor vehicle and household emissions (d) household and industrial emissions
30. The depletion of forests can be replaced by  
(a) enacting laws (b) replacing trees (c) not using trees (d) by chasing away all herbivorous animals living in forests
31. Without air there can be no  
(a) rock on earth (b) water on earth (c) Sunlight on earth (d) life on earth
32. There can be no vegetation without  
(a) water (b) animal (c) chemical fertilizers (d) money
33. The solar energy is  
(a) limited (b) exhaustible (c) non-renewable (d) non-exhaustible
34. The main food of herbivores is  
(a) animals (b) plants (c) animals and plants (d) insects
35. The animals who eat only flesh are called  
(a) herbivores (b) carnivores (c) omnivores (d) reptiles
36. The manure which is formed out of dead and decaying living organisms is called  
(a) chemical fertilizers (b) organic fertilizers (c) bio-mass fertilizers (d) mineral fertilizers



37. The major damage to environment is caused by  
(a) animals (b) humans (c) birds (d) natural calamities
38. Afforestation means  
(a) cutting of forests (b) clearing lands for cultivation (c) tree plantation (d) barren land
39. Use of fire crackers during festivals contributes to  
(a) noise and air pollution (b) air and water pollution (c) noise and food pollution  
(d) food and water pollution
40. When too much of salts and minerals are dissolved in water it is called  
(a) saline water (b) fresh water (c) rain water (d) soft water
41. The Indian government has taken up the task of purifying the river  
(a) Jamuna (b) Ganga (c) Tungabhadra (d) Narmada
42. Reasons for occurrence of cholera is  
(a) the curse of the village deity (b) drinking impure water (c) deficiency of nutritious food  
(d) deficiency of oxygen in the atmosphere
43. The citizens forum in Kerala fought against the destruction of the natural is called as  
(a) Chipok movement (b) silent valley (c) Ganga cleaning project (d) Narmada valley project
44. The living beings which cannot cope will dwindle, while that of the adapted ones will increase. This process is called  
(a) habitat (b) adjustment (c) natural selection (d) survival
45. Looking after our natural resources and protecting them from damage is known as  
(a) protection (b) Conservation (c) development (d) Sustainment
46. Things which decompose naturally are called  
(a) non-bio-degradable waste (b) bio-degradable waste (c) decomposed (d) thrown away
47. Domestic wastes such as tin cans, bottles and plastic goods can be  
(a) used to enrich soil (b) recycled in different ways (c) decomposed (d) thrown away
48. As a result of air pollution, the harmful gases and particles form clouds and when they fall to the earth, it is known as  
(a) air pollution (b) acid rain (c) ultraviolet rays (d) ozone layer
49. Plants produce their own food using non-living things. Herbivorous animals eat plants  
Carnivorous animals eat herbivorous animals and other smaller carnivores and so on.  
The cycle of who eats whom is called as  
(a) natural selection (b) survival of fittest (c) food chain (d) food web

50. the organisms that live and breed in water are called  
(a) amphibians (b) herbivores (c) aquatic (d) carnivores
51. The resistance by women to the cutting of forest in Himalayan regions is known as  
(a) Silent valley (b) Chipko movement (c) Jagrithi (d) Vimochana
52. The food chains are linked together by one or more common species to form a  
(a) food chain (b) food web (c) energy (d) biosphere
53. Any area or place where living organisms and non-living things co-exist , exchange the materials necessary for life and using them again and again is called  
(a) abiotic (b) biotic (c) ecosystem (d) afforestation
54. The process of making air, water and soil harmful by smoke , pesticides and sewage is  
(a) pollution (b) decay (c) decomposers (d) contamination
55. The completely decomposed products of plants and animals is called  
(a) gravel (b) humus (c) clay (d) sand
56. The process of removal of top soil from one place and carrying it to another by the action of natural agents like wind and water is known as  
(a) Soil conservation (b) Soil erosion (c) loamy soil (d) alluvial soil
57. Which one of the following soils holds maximum amount of water?  
(a) Sandy soil (b) Clay soil (c) loamy soil (d) rocky soil
58. Chemically humus is  
(a) organic in nature (b) organic and inorganic (c) inorganic in nature (d) chemical in nature
59. The topmost layer of the soil which has good water holding capacity is  
(a) humus (b) gravel (c) sand (d) rocks
60. When sewage flows into rivers or the sea, fish and other aquatic animals die because  
(a) lack of carbon di-oxide (b) lack of oxygen (c) excess decomposers (d) lack of food
61. The excessive use of pesticides and fertilizers can pollute  
(a) air and soil (b) water and soil (c) water and air (d) plants and animals
62. All those resources that are replenished through relatively rapid natural cycles are called  
(a) exhaustible resources (b) renewable resources (c) non-renewable resources  
(d) inexhaustible resources
63. Using the resources carefully without depleting them is called  
(a) renewability (b) conservation (c) non-renewability (d) development

64. Without plants animals life is impossible to exist due to  
 (a) lack of oxygen for animals to respire (b) lack of food supply (c) both of (a) and (b),  
 (d) lack of carbon dioxide
65. An environmentalist is a person who is interested in the conservation of  
 (a) only forests (b) only animals (c) only humans (d) total eco-system
66. Air is  
 (a) composed of compound gases (b) composed of a single gas (c) a mixture of different  
 gases in different proportions (d) mixture of different gases in equal proportions

## SECTION-2

### **INSTRUCTIONS:**

In this section, against each statement from 1 to 35 you will find 'True' and 'False' responses. If a statement is true tick mark the cell below True response, if a statement is false, tick mark the cell below false response against the appropriate number of statement. The cell below false response against the appropriate number of statement. For example:

1. Freely available natural resources such as forests, soil and water can be over used.
2. Drinking water ponds can also be used for washing and bathing.
- 3.3. Birds and animals migrate during cold seasons.
4. Hailstorms will not damage crops and property.
5. During respiration humans use carbon dioxide.
6. Waste papers and banana peels can be thrown on streets.
7. Spitting and throwing waste everywhere can cause diseases.
8. Environment includes all that we see around us.
9. Human life and progress depends upon the natural resources, so we should exploit them to the maximum.
10. Waste products of a factory should be let out to a nearby pond or river.
11. Plants absorb oxygen and release carbon dioxide.
12. Running water does not get polluted, even when the waste is dumped into it.
13. Underground water need not be purified before drinking.
14. All species of plants and animals should be protected to maintain balance in nature.
15. The continuous use of some natural resources such as coal and petroleum get exhausted, if they are not used judiciously.
16. Since  $\frac{3}{4}$  of the earth's surface is water can be used plentifully.
17. Cutting of forests is essential to increase the revenue to government than benefit to society.
18. We should try to use renewable sources of energy instead of non-renewable.
19. Chipko movement took place in Kerala.
20. River Ganga cleaning project has been undertaken by Govt. of Uttar Pradesh.
21. River Narmada is associated with hydro-electricity project.
22. Excessive use of chemical fertilizers enhances the fertility of the soil.
23. Agricultural pesticides and insecticides pollute the surrounding water resources.
24. Deforestation causes natural imbalance.

25. Plants help to maintain a gaseous balance in atmosphere.
26. Waste materials like paper, glass and plastic can be recycled.
27. Use of solar ovens leads to air pollution.
28. Sunlight is an exhaustible resource.
29. The cycle of who eat whom is called food web.
30. The animals who eat only plants are called carnivores.
31. Plants are non-renewable resources.
32. Photosynthesis is a process that goes on in animals.
33. Ultra-violet ray and acid rains are one and the same.
34. Food stored in damp places and uncleaned containers gets spoiled by germs.
35. Meda patekar is associated with notional literacy mission.

### SECTION-3

#### INSTRUCTIONS:

For each of items 1 to 16 fill up the blanks the correct answer provided in the end of this page in brackets.

1. Most of the \_\_\_\_\_ We use comes from trees.
2. Water is given off by trees in a process called \_\_\_\_\_
3. The \_\_\_\_\_ trees help to keep us cool.
4. The timber from \_\_\_\_\_ trees is often used to make furniture.
5. Trees are often used by birds for their \_\_\_\_\_
6. Trees provide \_\_\_\_\_ for building and heating houses.
7. Nuts and fruits from trees are an important source of \_\_\_\_\_
8. Trees help prevent soil \_\_\_\_\_
9. Trees help to cut down on \_\_\_\_\_ pollution.
10. Decaying logs and leaves enrich the \_\_\_\_\_
11. Trees remove some pollutants from the \_\_\_\_\_
12. The \_\_\_\_\_ We use on pancakes comes from trees.
13. Most of our \_\_\_\_\_ is made from trees.
14. Trees use \_\_\_\_\_
15. \_\_\_\_\_ is given off by trees in process of photosynthesis.
16. The \_\_\_\_\_ of pine trees is a favourite Christmas decoration.

(Wood, erosion, noise, syrup, air, soil, shade, nest, oak, paper, cone, furniture, food, oxygen, carbon dioxide, transpiration.)



# ENVIRONMENTAL AWARENESS ANSWERSHEET

Student Name:

School Name :

Sex : Boy / Girl

Locality: Rural / Urban

### SECTION-1

Sr.no.	A	B	C	D
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### SECTION-2

Sr.no.	TRUE	FALSE	Sr.no.	TRUE	FALSE	Sr.no.	TRUE	FALSE	Sr.no.	TRUE	FALSE	Sr.no.	TRUE	FALSE
1			8			15			22			29		
2			9			16			23			30		
3			10			17			24			31		
4			11			18			25			32		
5			12			19			26			33		
6			13			20			27			34		
7			14			21			28			35		

### SECTION-3

Sr.no.	Sr.no.	Sr.no.	Sr.no.
1	5	9	13
2	6	10	14
3	7	11	15
4	8	12	16

Section-1	Section-2	Section-3	Total Score

# ECO-FRIENDLY BEHAVIOUR SCALE

(Archana Singhal, Urmila Verma, and Pradeep K Singhal, Jabalpur)

Please fill up the following information:-

Name:-

Sex:-

School Name:-

Instructions:

There are 60 statements please tick (✓) on yes or no box.

	Yes	No
1. My family uses smokeless stove or fuel.	[ ]	[ ]
2. I feel uneasy by the pollution causing vehicles.	[ ]	[ ]
3. I Support any initiative to tackle problems like global warming.	[ ]	[ ]
4. I make people aware that the increase in green-house gases in the atmosphere adversely affects our health.	[ ]	[ ]
5. My family burns the garbage.	[ ]	[ ]
6. I do not dispose of garbage in ponds or rivers.	[ ]	[ ]
7. I use soap while bathing in river or pond.	[ ]	[ ]
8. I encourage people not to bathe their animals in river or pond.	[ ]	[ ]
9. I do not pollute the water resources in any way.	[ ]	[ ]
10. There is no proper drainage for water in my house.	[ ]	[ ]
11. I neither burst crackers nor play loudspeakers on the occasion of happiness or festivals.	[ ]	[ ]
12. I do not allow loud speaker to play at high volume during local religious ceremonies.	[ ]	[ ]
13. I enjoy listening to music at high volume.	[ ]	[ ]
14. I listen to T.V. or radio at high volume.	[ ]	[ ]
15. I make use of horn only when it is very necessary.	[ ]	[ ]

16. I do not dispose of garbage on road. [ ] [ ]
17. Instead of throwing plastic bags on roads, I collect and sell it out to the scrape dealer. [ ] [ ]
18. Instead of throwing the packing paper received from market, my family collects and sales it along with other papers. [ ] [ ]
19. My family uses paper plates and tissue papers in the parties. [ ] [ ]
20. My family does not accept items packed in paper during marketing. [ ] [ ]
21. My family does not misuse water. [ ] [ ]
22. I take only that much of water for drinking as required. [ ] [ ]
23. Instead of using shower, I make use of bucket for bathing. [ ] [ ]
24. I get my faulty tapes in my house immediately repaired. [ ] [ ]
25. I keep tape running during brushing in the morning. [ ] [ ]
26. I try to plant a tree in a park/garden on my each birthday. [ ] [ ]
27. I encourage people for tree plantation. [ ] [ ]
28. I do not allow anybody to cut tree without any appropriate reason. [ ] [ ]
29. I do not write on both sides of a paper sheet. [ ] [ ]
30. Instead of giving a greeting card, I consider it appropriate to personally greet my friends on their birthday. [ ] [ ]
31. I do not use the items made from skin of animals. [ ] [ ]
32. I neither disturb nor destroy the natural habitat of animals and birds. [ ] [ ]
33. I consider conservation of fauna and flora a pious job. [ ] [ ]
34. I provide water and grains to birds in the morning. [ ] [ ]
35. I motivate the people in my locality to throw their rotten food material packed in polythene. [ ] [ ]
36. I used handkerchief at the time of coughing and sneezing. [ ] [ ]
37. I forbid smoking by my elders at home. [ ] [ ]
38. I do not use mosquito nets at home to avoid mosquitoes. [ ] [ ]
39. The drinking water in my family is used only after filtering or boiling. [ ] [ ]

40. The vessels used for water storage are cleaned regularly in my house. [ ] [ ]
41. My family uses solar cooker to save energy. [ ] [ ]
42. My family does not make unnecessary use of radio, fans, or T.V. [ ] [ ]
43. I do not switch off the engine of my vehicle during red light at  
crossings. [ ] [ ]
44. I take mopeds or scooters to crowded places. [ ] [ ]
45. I make use of bicycle or public transport for going to school. [ ] [ ]
46. I do not share vehicle with my friends. [ ] [ ]
47. I motivate people to get their vehicles serviced regularly. [ ] [ ]
48. I encourage people to get their vehicles checked regularly for  
pollutions. [ ] [ ]
49. I do not believe in high speeds and applying frequent brakes while driving a  
vehicle. [ ] [ ]
50. My family uses vehicle only when in need. [ ] [ ]
51. "Population increase is a major cause of pollution". I express this statement  
before people by different means. [ ] [ ]
52. I follow the norms/principles related to environmental conservation  
in my daily chores. [ ] [ ]
53. In my opinion, the reckless use of chemicals like D.D.T. should be  
banned. [ ] [ ]
54. I along with my family take full care of environmental conservation  
when celebrating any festival. [ ] [ ]
55. I do not use cloth bags while buying domestic articles or vegetables. [ ] [ ]
56. I motivate my friends to conserve environment. [ ] [ ]
57. I and my family like vegetarian foods. [ ] [ ]
58. My family does not collect rain water. [ ] [ ]
59. My family does not make any misuse of natural resources. [ ] [ ]
60. This is my belief that there is a need of participation of all sections of society  
for conservation of environment. [ ] [ ]

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