

BIOLOGY

BOOKS - PEARSON IIT JEE FOUNDATION

HEALTH - OUR GREATEST WEALTH

Example

1. Proteins are necessary in the diet of children Discuss.



2. Sewage treatment plant helps in the developlment of healthy community. Discuss.



3. As a citizen, what are the measure to be followed in maintaining community health?



4. Proteins are necessary in the diet of children Discuss.



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5. Sewage treatment plant helps in the developlment of healthy community. Discuss.



6. As a citizen, what are the measure to be followed in maintaining community health?



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Very Short Answer Type Qusetions

1. _____ are obtained form garasses, such as wheat rice and maize.



2. Different items that make up food are known as _____.



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3. ____ food is the food that is safe and fit to eat.



4. Animal like vulutres consume dead animals, hence they are called.



5. Nutrients which help in body bulidings are

----·



6. The diet that contains all nutriems in definite pro- portions is called .



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7. Fibrous indigestible food material which helps in easy passage of food through gut is known as _____.



8. is a plant product which provides bulk to food and acts as roughage.



9. The mineral that helps in the transmission of nerve impulse is .



10. The vitamin easily destroyed by cooking is
·
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11. High blood pressure is the symptom of
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12. The mineral that causes yellowing fo teeth is .



Watch Video Solution

13. Chemical substance required for the growth of body and energy production are called.



1. Which nutrients are abundant in potatoes,

bread and rice $_{-}$ _.

- A. Proteins
- B. Fats
- C. Carbohydrates
- D. Minerals

Answer: C



2.	Which	mineral	İS	essential	for	blood
clo	tting?					

- A. Potassium
- B. Calcium
- C. Sodium
- D. Iron

Answer: B



3. What is the amount of water needed to be taken by a human being per day?

- A. 1 litre
- B. 1.5 litres
- C. 3 liters
- D. 1/2 litre

Answer: B



4. I	ngredients	used	in	the	perparation	on	of	idli
are	obtained f	orm w	hic	:h so	urces ?			

- A. Animal
- B. Plant
- C. Bacterial
- D. Microbial

Answer: B



5. Human beings come under which of the following categories of nutrition?

- A. Herbivorous
- **B.** Carnivorous
- C. Onmivorous
- D. Parasitic

Answer: C



6. Identify the reagment	nt used to test strach.
--------------------------	-------------------------

- A. Salt
- B. Fluorine
- C. Iodine
- D. Caustic soda

Answer: C



7. Roughage	consists	of	carbohydrates	in	the
form of	·				

- A. Sugars
- B. Starch
- C. Dietary fibres
- D. Glucose

Answer: C



8. Identify the vitamine that helps in the clotting of blood.

A.D

B. A

C. E

D. K

Answer: D



9.	Indentify	а	disease	which	is	transmitted	by
hc	ouseflies.						

- A. Malaria
- B. Cholera
- C. Plague
- D. Leprosy

Answer: (b)



10. The disease AIDS comes under which category?

- A. Communicable
- B. Non-communicable
- C. Deficiency
- D. Contagious

Answer: (a)



11. Which of the following disease is transmitted by a carrier?

- A. Malaria
- B. Hepatitis B
- C. Chicken pox
- D. Influenza

Answer: (a)



12. Oral plaque consists of which microorganism?

- A. Fungus
- B. Virus
- C. Microbes
- D. Bacteria

Answer: (d)



13. What is the duration of undisturbed sleep required by an adult?

- A. 12-14 hours
- B. 7-8 hours
- C. 10 hours
- D. 2-3 hours

Answer: (b)



Fill In The Blank

1. The practice of maintaining good health and the prevention of spreading diseases is known as _____.



2. The common diseases of eye which spread through contamination of hand are _____.



3. yellowing of teeth due to a sticky film of saliva, food and bacteria is known as _____.



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4. The science that deals with preservation of health is



5. The technique used to convert agriculture and vegetable wastes to manure is____.



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6. The disease which spreads from one person to another by means of water, food or contact is known as _____.



7. The ability in human body to fight infections is developed by .



Watch Video Solution

8. The microorganisms that help in transmission of disease from one person to other are known as _____.



9. If earthworm are released into composting pits, then it is called _____.



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10. Injuries formed due to rupture of blood capillaries under the skin are called ____.



11.	Droplet	infection	is	controlled	by	using
	whil	e sneezing	an	d coughing	•	



Watch Video Solution

12. The immediate care given to a person before taking the victim to the doctor is called





13. Dengue fever is a/an _____ borne disease.



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Short Answer Type Questions

1. What is the role of roughage in our diet?



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2. Why are fats considered as essential nutrients?



3. Give the importance of vitamin 'C' in diet.



4. Give reason why doctors insist on adding green leafy vegetables to the diet.



5. When do you say that a person is healthy?



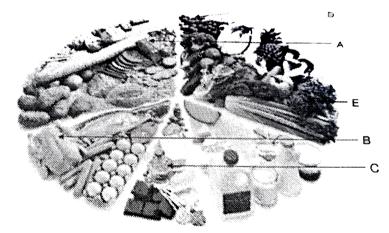
6. In which way is food necessary to maintain good health?



1. (i) Identify the nutrients A, B, C, D, E.

Give the function of A, B, C, D, E.

Identify the substance missing in balanced



diet.



2. Health is weath'. Discuss.



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3. Personal hygiene helps in keeping us healthy. Discuss.



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4. Discuss about the following health habits.

(i) Physical exercise (ii) Avoiding intoxication.

5. Mention the disease spread by direct transmission.



6. Rubbing of eyes with hands should be avoided. Give reasons.

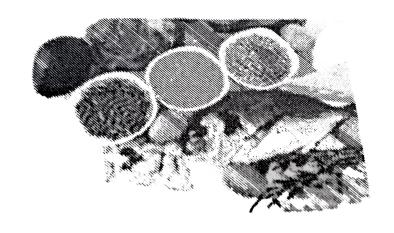


7. List out the five deficiency disorders caused by improper consumption of vitamins.



- **8.** (i) Identify the type ofmacronutrients present in the above figure.
- (ii) Give two plant sources for the above nutrient.
- (iii) Why should this nutrient be included in daily diet?
- (iv) Mention the disease caused in Children

due to deficiency of this nutrient.





9. A child is provided with chapattis and rice alone. Mention the nutrients which are deficient in his body ad identify the symptoms expected in the child.



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10. Discuss why poverty is considered to be one of the factors for malnutrition.



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Give Scientific Reasons

1. Vitamins and minerals are considered protective foods.



2. Exercise helps in building health.



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3. Avoid sharing personal articles, like handkerchiefs, towels, combs, etc.



4. Water pollution makes water unfit for drinking.



5. Obesity leads to heart problems.



6. Improper diet leads to malnutrition.



Concept Application

1. Why are we advised to eat unpolished rice (brown rice) rather than polished rice?



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2. Cellulose acts as roughage in our diet.



3. A person can die in a few days without consumption of water.



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4. Give reasons why over-population causes disturbances in community hygience.



5. What happens if a protein- free diet is consumed for a prolonged period?



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6. Walking barefoot must be avoided.



Watch Video Solution

7. Compost helps in increasing the fertility of soil.



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Watch Video Solution

14. Compost helps in increasing the fertility of soil.

Match The Following Columns

1. Match the following columns

Column I	Column II	Column III
(A) Protein	(i) Forms bulk of food	(a) Nuts
(B) Calcium	(ii) Universal solvent	(b) Metabolism of food
(C) Fats	(iii) Muscle contraction	(c) Milk, meat, eggs
(D) Roughage	(iv) Body building	(d) Cholesterol
(E) Water	(v) Energy bank	(e) Green leafy vegetables



Pick The Odd One Out

1. Amla, orange, guava, eggs.



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2. Tiger, elephant, lion, cheetah.



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3. Cellulose, glucose, starch, ghee.



4. Milk, meat, nuts, rice.



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Find The Co Realted Terms

1. chapatti : Carbohydrates :: Soybean



2. Iron::: Calcium: Clotting of blood		
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3: Tissue repair :: fats : Insulators		
Watch Video Solution		
4. Cholesterol : Fat :: Silk :		
Watch Video Solution		

5. carrots : Roots :: Cabbage : _____



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State Whether True Or False

1. Which parts of mustard plant are used as food?



2. Calcium is essential for the formation of haemoglobin.



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3. No mammal can digest cellulose.



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4. Fats work like body's energy banks.



5. Vitamins D is synthesized in the skin when the body is exposed to sunlight.



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Answer The Following Question

1. Define nutrients and give their classifications



2. Hygiene.



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3. What is the first aid given to a person bitten by snakes?



Watch Video Solution

4. Distingusish between communicable and non-communicable disease by giving

examples.

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5. What is the first aid given for burns?



6. List any three responsibilities of city municipalities regarding caring for people's health.



7. Mention the different caring for people's hair



- 8. Give one word for the following.
- (a) Deficiency of iron.
- (b) Deficiency of proteins in children.
- (c) Disorder resulting due to overeating.
- (d) Surviving on dead animals.

- (e) Deficiency of iodine.
- (f) Dietary fibres.
- (g) Lives inside the body of the host .
- (h) Chemicals substance that provide energy for day to day activities.
- (i) Process of perparation of food by green plants.
- (j) Seeds obtained from grasses.



9. What are the habits required for maintaining good health?



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Match Column I With Column Ii

1. Match the following columns

Column I	Column II
(1) Hygiene	(a) Air pollution
(2) Conjunctivit	is (b) Improper brushing
(3) Automobiles	c (c) Waterborne
(4) Plaque	(d) Practice and conditions to maintain health and prevent diseases
(5) Jaundice	(e) Eye infection

2. Match the following columns

Column I	Column II
Vitamin	Deficiency disorder
(1) Vitamin C	(a) Softness of bones
(2) Vitamin K	(b) Nervous disorders
(3) Vitamin A	(c) Bleeding in gums and internal organs
(4) Vitamin D	(d) Spontaneous bleeding
(5) Vitamin B	(e) Night blindness



Pick The Odd One Out

1. Rickets, goiture, xeropthalmia, AIDS.



2. Chlorination, sedimentation, boiling, dumping.



3. Contamination, vaccination, immunization, healthy diet.



4. Kwashiorkar, night blindness, scurvy, rickets.



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Find The Co Related Terms

1. Direct contact : AIDS :: _____

Tuberculosis



2. Goiter : Non- communicable :: Conjunctivitis		
:		
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3. Composting : Vegetable peels ::		
Vermicomposting :		
Watch Video Solution		

4. Brushing : Oral hygiene :: Afforestation:
Watch Video Solution
5. Oral hygiene : :: Sewage disposal : Community hygiene
Watch Video Solution
6. : Housefly :: Malaria : Mosquito.



7. Marasmus : Malnutrition :: _____ : Excess



diet

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8. Dental caries : :: Anaemia : Iron



1. Oral hygiene is mainly concerned with the care eye



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2. Formation of white flakes over the scalp and hair is danddruff.



3. Ice packs are applied on the region of deep cuts.



4. Human body develops the ability to fight infection by immunization.



5. Thermometer is a medicine in first aid kit.



6. lodine is present in sea foods.



7. Bleeding in gums and internal organs is the symptom of anaemia.



8. Deficiency of Carbohydrates in diet causes kwashiorkor.



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Test Your Concepts Very Short Answer Type Questions

1. _____ are obtained from grasses, such as wheat, rice and maize.



2. Different items that make up food are known as .



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3. _____ food is the food that is safe and fit to eat.



4. Animal like vultures consume dead animals, hence, they are called ____ .



5. Nutrients which help in body building are .



6. The diet that contains all nutriems in definite pro- portions is called .



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7. Fibrous indigestible food material which helps in easy passage of food through gut is known as____.



8. _____ is a plant product which provides bulk to food and acts as roughage.



9. The mineral that helps in the transmission of nerve impulse is_____.



10. The vitamin easily destroyed by cooking is ____.



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11. High blood pressure is the symptom of_____.



12. The mineral that causes yellowing of teeth is .



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13. Chemical substances required for the growth of body and energy production are called____.



14.	Which	nutrients	are	abundant	in	potatoes,

bread and rice _____?

- A. Proteins
- B. Fats
- C. Carbohydrates
- D. Minerals

Answer: C



15. Identify the mineral that helps in promoting clotting in human body.

- A. Potassium
- B. Calcium
- C. Sodium
- D. Iron

Answer: B



16. What is the amount of water needed to be taken by a human being per day?

- A. 1 litre
- B. 1.5 litres
- C. 3 litres
- D. 1/2 litre

Answer: B



17. Ingredients	used	in	the	preparation	of	idli
are obtained fr	om wl	hic	h so	urces?		

- A. Animal
- B. Plant
- C. Bacterial
- D. Microbial

Answer: B



18. Human beings come under which of the following categories of nutrition?

- A. Herbivorous
- **B.** Carnivorous
- C. Omnivorous
- D. Parasitic

Answer: C



19. Identify the reagent used to test starch.
A. Salt

B. Fluorine

C. Iodine

D. Caustic soda

Answer: C



20. Roughage	consists	of carboh	ydrates	in the
form of				

- A. Sugars
- B. Starch
- C. Dietary fibres
- D. Glucose

Answer: C



21. Identify the vitamine that helps in the clotting of blood.

A.D

B. A

C. E

D. K

Answer: D



22. The practice of maintaining good health and the prevention of spreading diseases is known as _____.



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23. The common diseases of eye which spread through contamination of hands are____.



24. yellowing of teeth due to a sticky film of saliva, food and bacteria is known as _____.



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25. The science that deals with preservation of health is _____.



26. The technique used to convert agriculture and vegetable wastes to manure is____.



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27. The disease which spreads from one person to another by means of water, food or contact is known as ____.



28. The ability in human body to fight infections is developed by _____.



29. The microorganisms that help in transmission of disease from one person to other are known as____.



30. If earthworm are released into composting pits, then it is called _____.



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31. Injuries formed due to rupture of blood capillaries under the skin are called .



32. Droplet infection is controlled by using

_____ while sneezing and coughing.



33. The immediate care given to a person before taking the victim to the doctor is called ____.



34. Dengue fever is a/an____ borne disease.



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35. Identify a disease which is transmitted by houseflies.

A. Malaria

B. Cholera

C. Plague

D. Leprosy

Answer: B



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36. The disease AIDS comes under which category?

- A. Communicable
- B. Non-communicable
- C. Deficiency
- D. Contagious

Answer: A



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37. Which of the following diseases is transmitted by a carrier?

- A. Malaria
- B. Hepatitis B
- C. Chicken pox
- D. Influenza

Answer: A



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38. Oral plaque consists of which microorganisms?

- A. Fungus
- **B.** Virus
- C. Microbes
- D. Bacteria

Answer: D



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39. What is the duration of undisturbed sleep required by an adult?

- A. 12-14 hours
- B. 7-8 hours
- C. 10 hours
- D. 2-3 hours

Answer: B



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Test Your Concepts Short Answer Type Questions

1. What is the role of roughage in our diet?



2. Why are fats considered as essential nutrients?



3. Give the importance of vitamin 'C'in diet.



4. Give reason why doctors insist on adding green leafy vegetables to the diet.



5. When do you say that a person is healthy?



6. In which way is food necessary to maintain good health?





- (i) Identify the nutrients A, B, C, D, E.
- (ii) Give the functions of A, B, C, D, E.
- (iii) Identify the substance missing in balanced diet.



8. 'Health is wealth'. Discuss.



9. Vitamins and minerals are considered protective foods.



10. Personal hygiene helps in keeping us healthy. Discuss.

- 11. Discuss about the following healthy habits.
- (i) Physical exercise (ii) Avoiding intoxication



12. Mention the diseases spread by direct transmission.



13. Rubbing of eyes with hands should be avoided. Give reasons.



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14. List out the five deficiency disorders caused by improper consumption of vitamins.





- (i) Identify the type of macronutrients present in the above figure
- (ii) Give two plant sources for the above nutrient.
- (iii) Why should this nutrient be included in daily diet?

(iv) Mention the disease caused in children due to deficiency of this nutrient.



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16. A child is provided with chapattis and rice alone. Mention the nutrients which are deficient in his body and identify the symptoms expected in the child.



17. Discuss why poverty is considered to be one of the factors for malnutrition.



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18. Exercise helps in building health.



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19. Avoid sharing personal articles, like handkerchiefs, towels, combs, etc.



20. Water pollution makes water unfit for drinking.



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21. Obesity leads to heart problems.



22. Improper diet leads to malnutrition.



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Assessment Test Test 1

1. Match the following columns.

Column I	Column II	Column III
(A) Protein	(i) Forms bulk of food	(a) Nuts
(B) Calcium	(ii) Universal solvent	(b) Metabolism of food
(C) Fats	(iii) Muscle contraction	(c) Milk, meat, eggs
(D) Roughage	(iv) Body building	(d) Cholesterol
(E) Water	(v) Energy bank	(e) Green leafy vegetables



2. Amla, orange, guava, eggs.



3. Tiger, elephant, lion, cheetah.



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4. Cellulose, glucose, starch, ghee.



Watch Video Solution

5. Milk, meat, nuts, rice.



6. Chapatti : Carbohydrate :: Soybean :				
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7. Iron: :: Calcium : Clotting of blood				
Watch Video Solution				
8: Tissue repair :: fats : Insulators				
Watch Video Solution				

9. Cholesterol : Fat :: Silk :						
Watch Video Solution						
10. Carrots : Roots :: Cabbage :						
Watch Video Solution						
11. The edible part of mustard plant is seeds.						
Watch Video Solution						

12. Calcium is essential for the formation of haemoglobin.



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13. No mammal can digest cellulose.



Watch Video Solution

14. Fats work like body's energy banks.



15. Vitamin D is synthesized in the skin when the body is exposed to sunlight. Direction for question



16. Define nutrients and give their classification.



17. Match the following columns

	Column I	1000	Column II
(1)	Hygiene	(a)	Air pollution
(2)	Conjunctivitis	(b)	Improper brushing
(3)	Automobiles		Waterborne
(4)	Plaque	(d)	Practice and conditions to maintain health and prevent diseases
(5)	Jaundice	(e)	Eye infection



18. Match the following columns

3.		Column	11	1	Column II		
	Vitamin			De	Deficiency disorder		
	(1)	Vitamin	C	(a)	Softness of bones		
	(2)	Vitamin	K	(b)	Nervous disorders		
	(3)	Vitamin	Α	(c)	Bleeding in gums and internal organs		
	(4)	Vitamin	D	(d)	Spontaneous bleeding		
	(5)	Vitamin	В		Night blindness		
,							



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19. Rickets, goitre, xeropthalmia, AIDS.



20. Chlorination, sedimentation, boiling, dumping,



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21. Contamination, vaccination, immunization, healthy diet.



22. Kwashiorkar, night blindness, scurvy, rickets.



23. Direct contact : AIDS :: _____ : Tuberculosis



24. Goiter : Non-communicable :: Conjunctivitis

: _____



25. Composting: Vegetable peels ::

Vermicomposting: _____



26. Brushing : Oral hygiene :: Afforestation:



27. Oral hygiene: :: Sewage disposal : Community hygiene					
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28. : Housefly :: Malaria : Mosquito.					
Watch Video Solution					
29. Marasmus: Malnutrition::: Excess diet					



30. Dental caries : _____ :: Anaemia: Iron



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31. Oral hygiene is mainly concerned with the care of eye.



32. Formation of white flakes over the scalp and hair is dandruff.



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33. Ice packs are applied on the region of deep cuts.



34. Human body develops the ability to fight infection by immunization.



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35. Thermometer is a medicine in first aid kit.



Watch Video Solution

36. Iodine is present in sea foods.



37. Bleeding in gums and internal organs is the symp tom of anaemia.



Watch Video Solution

38. Deficiency of Carbohydrates in diet causes kwashiorkor.



39. Define hygiene.



Watch Video Solution

40. What is the first aid given to a person bitten by snakes?



Watch Video Solution

41. Distinguish between communicable and non communicable diseases by giving

examples. **Watch Video Solution 42.** What is the first aid given for burns? **Watch Video Solution**

43. List any three responsibilities of city municipalities regarding caring for people's health.



44. Mention the different methods of hair care.



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45. Give one word for the following .

Deficiency of iron.



46. Give one word for the following.

Deficiency of proteins in children.



Watch Video Solution

47. Give one word for the following .

Disorder resulting due to overeating.



48. Give one word for the following.

Surviving on dead animals.



Watch Video Solution

49. Give one word for the following .

Deficiency of iodine.



50. Give one word for the following .

Dietary fibres.



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51. Give one word for the following .

Lives inside the body of the host.



52. Give one word for the following .

Chemicals substances that provide energy for day to day activities.



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53. Give one word for the following .

Process of preparation of food by green plants.



54. Give one word for the following .

Seeds obtained from grasses.



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55. What are the habits required for maintaining good health?



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Crossword

Across

- 4. An instrument to measure temperature
- 6. Wounds caused by rupture of capillaries in tissues
- 8. Hardest substance in human body
- 9. A chemical added to purify muddy water
- 10. Entry of disease causing agent

Down

- 1. Ability to fight infections
- 2. Organic manure
- 3. Clearing of forests
- 5. Flakes on the scalp
- 7. Infection in gums

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