

7<sup>th</sup> Std Science Term 2 – Book Back Questions With Answers in English  
7<sup>th</sup> Std Science 2nd Term

1. Human body form and Functions

I. Choose the correct answer

1. The skeletal system is made up of \_\_\_\_\_ bones.
- a. **206**                                      b. 200
- c. 157                                        d. 80
2. \_\_\_\_\_ works as an excretory organ by sweating.
- a. Kidney                                    b. Liver
- c. **Skin**                                        d. Heart
3. \_\_\_\_\_ acts as a sense organ.
- a. Liver                                        b. **Skin**
- c. Bone                                         d. Kidney
4. \_\_\_\_\_ system protect many internal organs.
- a. Circulatory                              b. **Skeletal**
- c. Excretory                                 d. digestive
5. \_\_\_\_\_ muscles are present in the walls of blood vessels.
- a. Rough                                      b. Voluntary
- c. Cardiac                                     d. **Smooth**
6. \_\_\_\_\_ muscles generate heat required for maintaining our body temperature.
- a. **Skeletal**                                    b. Liver
- c. Facial                                        d. Heart
7. The \_\_\_\_\_ is the pumping organ.
- a. Kidney                                      b. **Heart**
- c. Eye    d. Stomach
8. Haemoglobin gives \_\_\_\_\_ colour to the blood.
- a. **Red**                                         b. Blue
- c. White                                        d. No

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9. The CNS is made up of brain and \_\_\_\_\_
- a. Kidney                                      b. Cerebrum  
c. Medulla                                      d. **Spinal cord**
10. Our facial expression are made by the action of about \_\_\_\_\_ muscles.
- a. 30    b. 35  
c. **40**    d. 45
11. The \_\_\_\_\_ system helps in the removal of wastes.
- a. **Excretory**                                      b. Digestive  
c. Sensory                                      d. Nervous
12. The testes produce male gametes called \_\_\_\_\_
- a. Ovum    b. Ovary  
c. **Sperm**    d. WBC
13. The Siddha Medical system was founded by a group of \_\_\_\_\_ spiritual people called siddhars.
- a. 10    b. 16  
c. 17    d. **18**
14. \_\_\_\_\_ being the first siddhar, is called the father of Siddha Medicine.
- a. **Agasthiyar**                                      b. Gaundi adigal  
c. Yuvanthi                                      d. Bavanadar
15. \_\_\_\_\_ is a form of alternative medicine.
- a. Unani    b. **Homeopathy**  
c. Ayurveda                                      d. Siddha
16. \_\_\_\_\_ is a source of energy needed for all living things.
- a. **Glucose**    b. Amino acid  
c. Protein    d. Meat
17. \_\_\_\_\_ is secreted by pancreas.
- a. Calcitonin                                      b. Oxytocin

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c. **Insulin**

d. Adrenalin

18. Normal blood glucose level is \_\_\_\_\_ mg/dl.

a. **80-120**

b. 120-140

c. 110-150

d. 80-90

19. This method involves the removal of water from the food.

a. Hearting

b. **Drying**

c. Salting

d. Freezing

20. Pasteurization was discovered by \_\_\_\_\_

a. Douis amigo

b. Jhony

c. **Louis Pasteur**

d. Mendel

**II. Fill in the blanks.**

1. \_\_\_\_\_ protects the inner parts of the body.

**Ans: skin**

2. The \_\_\_\_\_ is the heaviest organ of our body.

**Ans: skin**

3. The skin weights about \_\_\_\_\_ kg.

**Ans: 7**

4. The process of taking in O<sub>2</sub> is called \_\_\_\_\_

**Ans: inspiration**

5. Skeletal system provides a \_\_\_\_\_ work to the body and helps in movements.

**Ans: frame**

6. The muscular system is made u of \_\_\_\_\_ types of muscles.

**Ans: three**

7. Skeletal muscles are attached to the \_\_\_\_\_

**Ans: bone**

8. Cardiac muscle is exclusively found in the \_\_\_\_\_

**Ans: heart**

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9. \_\_\_\_\_ muscles give shape to the body.

**Ans: Skeletal**

10. The \_\_\_\_\_ system transport substances from one part of the body to another.

**Ans: circulatory**

11. RBC contain red pigment named \_\_\_\_\_

**Ans: Haemoglobin**

12. Blood vessels are of three types. Arteries, veins and \_\_\_\_\_

**Ans: capillaries**

13. The nervous system is divided into Central nervous system (CNS) and \_\_\_\_\_ nervous system.

**Ans: Peripheral**

14. The glands secrete chemicals called \_\_\_\_\_

**Ans: Hormones**

15. The ovaries produce female gametes called \_\_\_\_\_

**Ans: eggs**

16. \_\_\_\_\_ is an indigenous traditional system originated in Tamilnadu.

**Ans: Siddha Vaidhya**

17. The word Siddhar is derived from \_\_\_\_\_

**Ans: Siddhars**

18. Around 1200 herbs are used in the preparation of \_\_\_\_\_ medicine.

**Ans: Siddha**

19. \_\_\_\_\_ means Science of Life.

**Ans: Ayurveda**

20. Homeopathy first proposed by German physician \_\_\_\_\_

**Ans: Samuel Hahnemann**

21. Unani Medicine is a form of traditional medicine based on the teachings of Greek physician \_\_\_\_\_

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**Ans: Hippocrates**

22. The food that we eat is broken down into \_\_\_\_\_

**Ans: Glucose**

23. \_\_\_\_\_ is a not a disease but a disorder.

**Ans: Diabetes**

24. \_\_\_\_\_ exercises supply oxygen efficiently to the muscles, heart, lungs and the circulatory system.

**Ans: Aerobic**

25. \_\_\_\_\_ helps in lowering the blood glucose level.

**Ans: Exercise**

26. \_\_\_\_\_ involves the prevention of growth of bacteria, fungi and other micro organisms in the food.

**Ans: preservation**

27. Heating milk to a temperature of 70°C to 75°C for some times and suddenly cooling and storing it is called \_\_\_\_\_

**Ans: Pasteurization**

28. When salt is added to food, it removes the water from the food by \_\_\_\_\_

**Ans: Osmosis**

29. \_\_\_\_\_ have a very high energy density.

**Ans: Fast food**

30. Continuous intake of fast foods leads to \_\_\_\_\_ and \_\_\_\_\_

**Ans: weight gain, Obesity**

31. The human appetite was designed for \_\_\_\_\_ density foods.

**Ans: Low energy**

32. Fast food may speed up the risk of \_\_\_\_\_ which can lead to heart attacks.

**Ans: clogged arteries.**

33. Fast food can be delicious but a \_\_\_\_\_

**Ans: silent killer**

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III. Match the following

1.

- |                         |            |
|-------------------------|------------|
| 1. Integumentary System | a. Stomach |
| 2. Digestive System     | b. Hair    |
| 3. Respiratory System   | c. Heart   |
| 4. Excretory System     | d. Lung    |
| 5. Circulatory System   | e. Kidney  |

Ans: 1-b,2-s,3-d,4-e,5-c

2.

- |         |                         |
|---------|-------------------------|
| 1. 206  | a. Weight of skin       |
| 2. 7 kg | b. Siddhars             |
| 3. 3    | c. Herbs used in Siddha |
| 4. 18   | d. Number of bones      |
| 5. 1200 | e. Types of muscles     |

Ans: 1-d,2-a,3-e,4-b,5-c

2. Respiration in plants and Animals

I. Fill in the blanks.

1. The clean air we breathe is rich in \_\_\_\_\_

Ans: Oxygen

2. Respiration is the absence of oxygen is called \_\_\_\_\_

Ans: Anaerobic

3. Plants breathe through tiny pores in the leaves called \_\_\_\_\_

Ans: Stomata

II. Choose the correct answer.

1. Our body needs \_\_\_\_\_ to carry on all its activities.

- |           |            |
|-----------|------------|
| a. work   | b. glucose |
| c. energy | d. Food    |

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2. When we breathe, \_\_\_\_\_ is transported to the lungs and mixed with blood.

- a.  $\text{CO}_2$   
c.  $\text{NO}_2$
- b.  $\text{O}_2$   
d.  $\text{SO}_2$

3. Respiration takes place in the absence of oxygen is called \_\_\_\_\_

- a. **anaerobic respiration**                      b. aerobic respiration  
c. ordinary respiration                      d. photo respiration

4. One of the following can respire anaerobically.

- a. man                      b. insects  
c. bee                      d. **bacteria**

5. \_\_\_\_\_ is used to make wine and bear.

- a. bacteria  
b. fungi  
c. **yeast**  
d. algae

6. Heat energy is liberated during \_\_\_\_\_

- a. respiration  
b. **breathing**  
c. photosynthesis  
d. stomatal movement

7. During photosynthesis the plants take in \_\_\_\_\_ and give out \_\_\_\_\_

- a.  $O_2-CO_2$   
b.  $CO_2-O_2$   
c.  $CO_2-CO_2$   
d.  $O_2-O_2$

8. The trachea divides into two branches called \_\_\_\_\_

- a. bronchi                      b. tracheoles  
c. brochloles                d. alveli

9. When oxygen rich air goes to alveoli, oxygen is absorbed by the blood and combines with \_\_\_\_\_

- a. albumen                      b. globulin  
c. **haemoglobin**            d. globin

10. \_\_\_\_\_ pollution causes many respiratory diseases.

- a. water                      b. **air**

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c. land

d. smoke

11. \_\_\_\_\_ can causes lung cancer.

a. **smoking**

b. oil

c. bad air

d. air pollution

12. \_\_\_\_\_ is the useful by product of respiration system.

a. energy

b. sleep

c. **sound**

oxygen

13. Unicellular animal which respire by diffusion is \_\_\_\_\_

a. algae

b. fungi

c. **amoeba**

d. flies

14. Fishes respire with the help of \_\_\_\_\_

a. **gills**

b. lungs

c. booklungs

d. nose

**III. Match the following**

**1.**

1. Bacteria

a. yeast

2. Frog

b. breathing

3. Wine

c. anaerobic respiration

4. Physical process

d. daytime

5. Photosynthesis

e. aerobic respiration

**Ans: 1-c,2-e,3-a,4-b,5-d**

**2.**

1. unicellular

a. respiration

2. multicellular

b. diaphragm

3. stomata

c. paramecium

4. chemical process

d. fish

5. elastic muscle

e. leaves



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Ans: 1-c,2-d,3-e,4-a,5-b

3. Matter and its nature

I. Fill in the blanks.

1. A stretched rubber band represents a \_\_\_\_\_ change.

Ans: Physical

2. Melting of ice is a \_\_\_\_\_ change.

Ans: Physical

3. The newly formed \_\_\_\_\_ have definite geometrical shapes and different sizes.

Ans: Crystals

4. A chemical change is \_\_\_\_\_

Ans: irreversible

5. The process of converting a solid directly into its vapour is known as \_\_\_\_\_

Ans: sublimation

6. Hydrated iron oxide is known as \_\_\_\_\_

Ans: rust

7. Deposition of zinc over iron is called \_\_\_\_\_

Ans: galvanization

8. Curd is \_\_\_\_\_

Ans: Sour

9. Orange juice is \_\_\_\_\_ in nature.

Ans: Acidic

10. Soft drinks contain \_\_\_\_\_ acid.

Ans: Carbonic

11. Apple is the source of \_\_\_\_\_ acid

Ans: malic

12. Sulphuric acid is \_\_\_\_\_ acid.

Ans: Inorganic

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13. \_\_\_\_\_ are soapy to touch.

**Ans: Bases**

14. \_\_\_\_\_ are oxides or hydroxides of metals.

**Ans: Bases**

15. Bases give \_\_\_\_\_ ions when treated with water.

**Ans: Hydroxy**

16. The other name of Sodium hydroxide is \_\_\_\_\_

**Ans: Caustic Soda**

17. Phenolphthalein is an \_\_\_\_\_

**Ans: Indicator**

18. Red cabbage juice gives \_\_\_\_\_ colour with a base.

**Ans: green**

19. The most commonly used natural indicator is \_\_\_\_\_

**Ans: litmus**

20. Proteins contain \_\_\_\_\_ acids.

**Ans: amino**

21. \_\_\_\_\_ adds taste to our food.

**Ans: Sodium Chloride**

22. Nitric acid gives \_\_\_\_\_ salt.

**Ans: Nitrate**

23. Melting of ice cream is a \_\_\_\_\_ change.

**Ans: Physical**

24. The process of obtaining crystals from a solution is known as \_\_\_\_\_

**Ans: crystallization**

25. Camphor undergoes \_\_\_\_\_

**Ans: sublimation**

26. Ice melts into water on \_\_\_\_\_

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**Ans: Heating**

27. Water vapour when \_\_\_\_\_ condenses into its liquid state.

**Ans: cooled**

28. Absence of moisture or oxygen can prevent \_\_\_\_\_

**Ans: rusting**

29. \_\_\_\_\_ and \_\_\_\_\_ are necessary for rusting.

**Ans: water and oxygen**

30. Baking soda is \_\_\_\_\_ in taste.

**Ans: bitter**

31. Organic acids are found in \_\_\_\_\_

**Ans: Nature**

32. Tomato contains \_\_\_\_\_ acid.

**Ans: Oxalic**

33. Bases which are soluble in water are called \_\_\_\_\_

**Ans: Alkalis**

34. The other name of Calcium oxide is \_\_\_\_\_

**Ans: quick lime**

35. Calcium hydroxide is found in \_\_\_\_\_

**Ans: lime water**

36. A safe way to find out an acid or a base is to use an \_\_\_\_\_

**Ans: indicator**

37. Turmeric gives \_\_\_\_\_ colour in acids.

**Ans: yellow**

38. Fats contain \_\_\_\_\_ acids.

**Ans: fatty**

39. \_\_\_\_\_ turn red litmus paper to blue.

**Ans: bases**

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40. The new substance formed by the neutralization reaction of an acid by a base is \_\_\_\_\_

**Ans: salt**

41. \_\_\_\_\_ salt is used in baking.

**Ans: Sodium Bicarbonate**

42. Potassium nitrate is used in the manufacture of \_\_\_\_\_

**Ans: Gun powder**

#### 4. Electricity

##### I. Choose the correct answer.

1. An electric cell converts

- a. **Chemical energy into electrical energy**
- b. Mechanical energy into chemical energy
- c. Electrical energy into light energy
- d. Light energy into heat energy

2. An electric current flowing through the conductor produces \_\_\_\_\_ around it.

- a. Heat
- b. **Magnetic field**
- c. A mechanical force
- d. All the above

3. Secondary cells \_\_\_\_\_

- a. cannot be recharged
- b. cannot be reused
- c. cannot be recharged and used
- d. **can be recharged and reused**

4. Find the odd one out.

- a. Electric toaster
- b. **Electric fan**
- c. Electric iron
- d. Room heater

5. An electric fuse wire melts if the amount of current flowing through it is \_\_\_\_\_

**a. more than minimum amount**

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- b. less than minimum amount  
c. more than maximum amount  
d. less than maximum amount
6. Indira Gandhi centre for Atomic Research is situated at  
a. Neyveli  
b. Ennore  
**c. Kalpakkam**  
d. Kudangulam
7. In tamil nadu Hydroelectric Power Station is situated at  
**a. Mettur Dam**  
b. Santhanoor Dam  
c. Vaigak Dam  
d. Ennore
8. Thermal Power Plant in Tamil Nadu is at  
a. Kalpakkam  
b. kudangulam  
**c. Ennore**  
d. Mettur
9. The wind power generating capacity of Tamil Nadu is  
a. 2000MW  
b. 3000MW  
c. 4000MW  
**d. 5000MW**
10. Solar cells convert  
a. Mechanical energy into electrical energy  
**b. Light energy into electric energy**  
c. Heat energy into electric energy  
d. Wind energy into electric energy
11. To stop or allow the flow of current, the device used is  
**a. Switch**  
b. wire  
c. Bulb  
d. Battery
12. The device used to detect the flow of current in electric circuits  
**a. Volt meter**  
b. Ammeter  
c. Galvano meter  
d. Han's meter
13. Electric ceel fish lives in

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- a. Asia  
b. America  
c. **South America**  
d. Australia
14. The filament inside the bulb is made of  
a. Copper  
b. Iron  
c. Nicrome  
d. **Tungsten**
15. The electric current flows from the \_\_\_\_\_ terminal to the \_\_\_\_\_ terminal of the battery.  
a. **Positive/Negative**  
b. Negative / Positive
16. The first electric cell was developed by  
a. **Lugi Galvani**  
b. Alessandro Volta  
c. Ohm  
d. Alexander Flemming
17. Which one of the following is a good conductor of electricity.  
a. Wood  
b. Plastic  
c. **Human body**  
d. Rubber
18. Which one of the following is a good insulator.  
a. Iron  
b. Silver  
c. Earth  
d. **Wood**
19. The heating element in an electric appliance is a coil of wire made of  
a. Copper  
b. Aluminium  
c. **Nichrome**  
d. Tangsten
20. The electric fuse works on the principle of  
a. **Heating effect of electric current**  
b. Magnetic effect of electric current  
c. Light effect of electric current  
d. Both light and magnetic effect of electric current
21. Who found that there is a magnetic field around a wire carrying current?  
a. Volta  
b. **Oersted**

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d. Flemming

b. Ampere

### d. Ohm

#### d. Battery

7. Coal is a \_\_\_\_\_ fuel

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**Ans: fossil**

8. In Nuclear power stations, splitting of \_\_\_\_\_ produces energy, which is used to heat water.

**Ans: Uranium**

9. In hydro-electric power stations, \_\_\_\_\_ is used to turn the turbines.

**Ans: fast flowing water**

10. Electric current is the flow of \_\_\_\_\_

**Ans: electrons**

11. \_\_\_\_\_ is improved the first electric cell developed by Luigi Galvani.

**Ans: Alessandro Volta**

12. Primary cells \_\_\_\_\_ recharged.

**Ans: cannot be**

13. Secondary cells \_\_\_\_\_ recharged.

**Ans: can be**

14. When the current flows the circuit is said to be \_\_\_\_\_, when the current does not flow, the circuit is said to be \_\_\_\_\_

**Ans: closed, open**

15. When current passes through a wire it gets \_\_\_\_\_

**Ans: hot**

16. \_\_\_\_\_ is an instrument used to detect the flow of current in electrical circuits.

**Ans: Galvanometer**

17. The amount of heat produced depends on the \_\_\_\_\_ and \_\_\_\_\_ of current flow.

**Ans: Duration, Quantity**

18. Nichrome is an alloy of \_\_\_\_\_ and \_\_\_\_\_

**Ans: Nickel and Chromium**

19. \_\_\_\_\_ can be reset manually or automatically to restore.

**Ans: Circuit Breaker**



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20. Many toys have \_\_\_\_\_ inside.

**Ans: Electromagnets**

**III. Match the following**

**1.**

- |                     |  |
|---------------------|--|
| 1. Electric cell    | a. Flow of charge                            |
| 2. Fuse wire        | b. Source of electric current                |
| 3. Insulators       | c. Electromagnet                             |
| 4. Electric bell    | d. Prevents damage of electric appliances.   |
| 5. Electric current | e. Do not allow current to pass through them |

**Ans: 1- b,2-d,3-e,4-c,5-a**

**2.**

- |                  |                               |
|------------------|-------------------------------|
| 1. Electric Bell | a. Glass                      |
| 2. Oersted       | b. Earth                      |
| 3. Insulator     | c. Cell phone                 |
| 4. Conductor     | d. Electromagnet              |
| 5. Storage cell  | e. Magnetic effect of current |

**Ans: 1-d,2-e,3-a,4-b,5-c**

