

## 6th Science Book Back Questions With Answers in English

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**6<sup>th</sup> Std Term - I**

### 1. The World of Plants

#### I. Choose the correct answer:

1. Plants with medical value are called

- (a) pulses (b) scented plants  
(c) **medical plants** (d) barks

2. Of the following, which is the seed part of the plant used of food.

- (a) **thoor dhal** (b) veldt grape  
(c) banana (d) turmeric

3. Select the food-related industry from the following:

- (a) coir making (b) gardening  
(c) cotton cultivation (d) **pickle-making**

4. Name the unripe fruit that we have to consume for blood purification.

- (a) **gooseberry** (b) neem  
(c) veldt grape (d) carry me seed

5. Name the tree used in paper industry.

- (a) Teak (b) **Eucalyptus**  
(c) Coconut tree (d) Sandalwood tree

6. Which of the following is the stem part of the plant used as food item?

- (a) Chilli (b) Drumstick  
(c) **Turmeric** (d) Thoor dhal

7. Which of the following hrbal plants is used to cures jaundice?

- (a) **Keezhanelli** (b) Thulsi  
(c) Vasambu (d) Manjal

8. Which of the following is the main source of Vitamin 'C'?

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- (a) Manjal (b) Brinjal  
(c) Vembu (d) **Nelli**
9. .... are made from Mulberry tree.  
(a) Cricket bats (b) Match sticks  
(c) **Hockey sticks** (d) Railway sleepers
10. Which of the following does not catch fire easily?  
(a) Sandal (b) Vembu  
(c) Teak (d) **Red wood**
11. Kumbakonam is popular for.....  
(a) Jasmine (b) Sugarcane  
(c) **Betel leaves** (d) Mango
12. Bed and pillows are made from....  
(a) Sandal tree (b) Coconut tree  
(c) **Silk cotton tree** (d) Pine tree
13. The other name of Keezhanelli is....  
(a) Omavalli (b) **Carry me seed**  
(c) Purple fruited egg plant (d) Vembu
14. Which of the following is used to regulate the body temperature?  
(a) **Nelli** (b) Vasambu  
(c) Manjal (d) Pirandai
15. Which one of the following trees yields fruits for about 400 years?  
(a) Mango (b) Banana  
(c) Jack fruit (d) **Orange**

**II. Match the following:**

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### A. Trees

1. Eucalyptus
2. Silk cotton
3. Coconut
4. Mulberry
5. Pine
6. Babul bark tree

### Uses

- a. Parts of bullock cart
- b. Railway sleepers
- c. Tennis racket and Hockey stick
- d. Thatching, construction
- e. Match box
- f. Oil, papers

**Ans: 1-f, 2-e, 3-d, 4-c, 5-b, 6-a**

### B.

1. Carry me seed
2. Ginger
3. Pepper
4. Sweet flag
5. Country borage

- a. Treatment for digestive disorder
- b. Abdominal diseases
- c. Jaundice
- d. Fever
- e. Throat infection

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

### C.

1. Teak
2. Silk cotton
3. Eucalyptus
4. Pine
5. Willow

- a. Oil, paper
- b. Construction materials
- c. Cricket bat
- d. Match box
- e. Ship building

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

### D.

1. Ginger
2. Rose

- a. Cosmetic
- b. Tanjore

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3. Paddy c. Herbal plant  
4. Jasmine d. Zimbabwe  
5. Baobab tree e. Madurai

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

### III. Fill in the blanks:

1. Carry mee seed (Keezhanelli) cures \_\_\_\_\_

**Ans: Jaundice**

2. Peppers cures \_\_\_\_\_

**Ans: Throat infection**

3. \_\_\_\_\_ are used in the preparation of cosmetics.

**Ans: flowers**

4. \_\_\_\_\_ used as germicide and cosmetic.

**Ans: Turmeric**

5. \_\_\_\_\_ State is known as Garden of Spices of India.

**Ans: Kerala**

6. Jute fibre is obtained from the \_\_\_\_\_ of plant.

**Ans: Stem**

7. The soft, outer region of the stem is called as \_\_\_\_\_.

**Ans: sap wood**

8. \_\_\_\_\_ wood is used for building purposes.

**Ans: Heart wood**

9. Fibers obtained from the outer region of the cotton, coconut are known as \_\_\_\_.

**Ans: External fibers**

10. \_\_\_\_\_ cures mouth ulcer.

**Ans: Gooseberry**

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11. \_\_\_\_\_ is used as germicide and as cosmetic.

**Ans: Turmeric**

12. Tennis and Hockey sticks are made from \_\_\_\_\_ tree.

**Ans: Mulberry**

13. The thickest Baobab tree is found in \_\_\_\_\_.

**Ans: Zimbabwe**

14. The main source of vitamin 'C' is \_\_\_\_\_

**Ans: Gooseberry**

15. Agriculture is a branch of \_\_\_\_\_

**Ans: Science**

16. \_\_\_\_\_ is used to cure cold, cough and fever.

**Ans: Thulsi**

17. \_\_\_\_\_ play a key role in the preparation of cosmetics.

**Ans: Flowers**

18. Long, thin, strong, strand obtained from plants is known as \_\_\_\_\_

**Ans: fibre**

19. The dark inner region of the stem is called \_\_\_\_\_

**Ans: heartwood**

20. \_\_\_\_\_ cures mouth ulcer, regulates body temperature .

**Ans: Gooseberry**

21. \_\_\_\_\_ give good smell and colour to food.

**Ans: Spices**

22. \_\_\_\_\_ are used as medicinals for common cold, fever and stomach ache.

**Ans: Holy basil and ginger**

**IV. Answer the following questions in one or single word.**

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1. What is the common name of Country borage?

**Ans: Karpuravalli**

2. Name the herbal plant used to increase the appetite.

**Ans: Pirandai**

3. What is botany?

**Ans: Science that deals with study of herbs, shrubs, climbers and trees.**

4. Name the tree that is used in making parts of bullock cart.

**Ans: Babul bark tree**

5. Which herbal plant is used to destroy intestinal worms?

**Ans: Vembu**

6. Which part of the plant is used in chilli and drumstick?

**Ans: Unripe fruit**

7. Name two plants yielding stem fibers.

**Ans: Plantain and jute**

8. Name a tree used for making Railway sleepers.

**Ans: Pine**

9. Which tree yields fibres for making coir?

**Ans: Coconut tree**

**V. State whether the following sentences are true or false.**

1. Purple fruited pea egg plant is used as medicine for jaundice.

**Ans: False.** Pea egg plant is used as medicine for cold and cough and “carry me seed” is used for jaundice.

2. Ginger is the root of the plant.

**Ans: False.** Ginger is the stem of the plant

3. Veldt grape is a medicinal plant.

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**Ans: True**

4. Clove is the seed of the plant.

**Ans: False.** Clove is the “flower bud” of the plant.

5. Slik-cotton tree is used to make match box.

**Ans: True**

### 2. Food Habits

#### I. Fill in the blanks.

1. Disease caused due to protein deficiency is \_\_\_\_\_

**Ans: Marasmus**

2. Deficiency of Vitamin C causes \_\_\_\_\_.

**Ans: Scurvy**

3. \_\_\_\_\_ is an omnivore.

**Ans: Crow**

4. Milk is rich in \_\_\_\_\_ .

**Ans: Calcium**

5. \_\_\_\_\_ regulate the physiological activities.

**Ans: Minerals**

6. \_\_\_\_\_ is used to strengthen the bone.

**Ans: Calcium**

7. \_\_\_\_\_ is saprophytic in nutrition.

**Ans: Mushroom**

8. Anaemia is caused due to deficiency of \_\_\_\_\_ .

**Ans: Iron**

9. \_\_\_ is synthesized by the skin with the help of sunlight.

**Ans: Vitamin D**

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10. Rickets is a \_\_\_\_ deficiency disease.

**Ans: Vitamin D**

11. The constituents of food which are essential for the body are called \_\_\_\_.

**Ans: Nutrients**

12. Deficiency of iron leads to \_\_\_\_.

**Ans: Aneamia**

13. The deficiency disease of Vitamin B1 is \_\_\_\_.

**Ans: Beri-beri**

14. Enlarged head, loss of weight and retarded growth are the symptoms of \_\_\_\_.

**Ans: Marasmus**

15. Bleeding gums is the symptom of the disease \_\_\_\_.

**Ans: Scurvy**

16. Preparation of starch by the plants with help of sunlight, CO<sub>2</sub>, water and chlorophyll is called \_\_\_\_.

**Ans: Photosynthesis**

17. Nepenthes is an \_\_\_\_ plant.

**Ans: insectivorous.**

18. \_\_\_\_\_ and \_\_\_\_\_ rich in ascorbic acid prevent heart diseases.

**Ans: Steamed fish , Brinjal**

19. Cockroach is a/an \_\_\_\_ animal.

**Ans: Omnivorous.**

20. The organism that decompose the dead plant and animal substances and converts them into simple molecules and absorbs them through its body wall \_\_\_\_.

**Ans: Mushroom**

21. \_\_\_\_\_ lives inside the body gut.



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**Ans: Roundworm**

22. Animals which feed only on plants are called\_\_\_\_\_.

**Ans: herbivores**

23. Head louse and leech are examples of\_\_\_\_\_.

**Ans: ectoparasite**

24. Loss of excessive blood even for a small hurt is the symptom of \_\_\_\_\_ deficiency.

**Ans: Vitamin K**

25. Inflammation in neck is the symptom of \_\_\_\_\_.

**Ans: Goitre**

**II. Choose the correct answer:**

1. Which one of the following energy?

(a) **Fat**

(b) Vitamins

(c) Minerals

(d) Water

2. Which of the following act as regulators in physiological activities?

(a) Proteins

(b) Fats

(c) Carbohydrates

(d) **Minerals**

3. \_\_\_\_\_ help in growth of the body.

(a) Vitamins

(b) Water

(c) **Proteins**

(d) Fat

4. Which of the following has the maximum water content?

(a) Bread slice

(b) Milk

(c) Egg

(d) **Cucumber**

5. The disease caused by deficiency of protein is\_\_\_\_\_

(a) Night-blindness

(b) Beri-beri

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- (c) **Marasmus** (d) Rickets
6. Which one of the following is the disease caused by deficiency of Vitamin 'C'?
- (a) Kwashiorkar (b) **Scurvy**  
(c) Rickets (d) Bery-bery
7. Goitre is due to the deficiency of\_\_\_\_\_.
- (a) Vitamin A (b) Vitamin C  
(c) **Iodine** (d) Iron
8. Night-blindness is due to the deficiency of\_\_\_\_\_.
- (a) Iodine (b) Iron  
(c) Vitamin C (d) **Vitamin A**
9. Which of the following caused by deficiency of Vitamin D?
- (a) **Rickets** (b) Goitre  
(c) Anaemia (d) Scurvy
10. which of the following adopts autotrophic nutrition?
- (a) Cuscuta (b) Roundworm  
(c) **Green plants** (d) Leech
11. Roundworm is an\_\_\_\_\_.
- (a) Ectoparasite (b) **Endoparasite**  
(c) Saprophyte (d) insectivorous
12. \_\_\_\_\_ is an omnivore.
- (a) Goat (b) Cattle  
(c) Tiger (d) **Crow**
13. An example for an insectivorous plant is\_\_\_\_\_
- (a) Hibiscus (b) **Drosera**  
(c) Cuscuta (d) Green plants



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4. Which vegetable is rich in ascorbic acid?

**Ans: Brinjal**

5. Name one fibre food.

**Ans: Beans**

6. What are the two types of parasites?

**Ans: (a) Ectoparasites (b) Endoparasites**

7. Which age group of children suffer from Kwashiorkar?

**Ans: 1-5 years**

### 3. Changes Around Us

**I. Choose the correct answer:**

1. Release of the compressed spring is \_\_\_\_\_

- (a) an irreversible change (b) **a reversible change**  
(c) a non-periodic change (d) an undesirable change

2. Spoilage of food is \_\_\_\_\_

- (a) a reversible change (b) a fast change  
(c) **an undesirable change** (d) a periodic change

3. Dissolution of washing soda in water is \_\_\_\_\_

- (a) **an exothermic change** (b) an irreversible change  
(c) an undesirable change (d) an endothermic change

4. Which of the following changes is non-periodic?

- (a) heartbeat (b) **earthquake**  
(c) occurrence of day and night (d) oscillation of pendulum

5. Who was the first Indian woman travelled to the space?

- (a) Marie Curie (b) Indira Nooyee  
(c) **Kalpana Chawla** (d) Saira

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6. Which of the following statement is correct?
- (a) **Our body loses weight in space**                      (b) Ourbody gains weight in space  
(c) Our eye sight becomes dull                      (d) All are correct
7. The time taken for a tree to turn into coal under the earth is \_\_\_\_\_.
- (a) 34 years                      (b) 3400 years  
(c) 34000 years                      (d) **30 crore years**
8. Which of the following is a slow change?
- (a) Burning of paper                      (b) Brusting of crackers  
(c) **Rusting of iron**                      (d) Glowing of electric bulb
9. Which of the following is a fast change?
- (a) Growth of a child                      (b) **Brustin of crackers**  
(c) Germination of seed                      (d) Curdling of milk
10. Which of the following is a reversible change?
- (a) Batter into idly                      (b) Green vegetables into cooked food  
(c) **Making of ornaments from gold**                      (d) Curdling of milk
11. Which of the following is an irreversible change?
- (a) Evaporation of water                      (b) Melting of ice  
(c) Making ornaments from silver                      (d) **Ripening of fruits**
12. Which of the following is a desirable change?
- (a) Earthwquake                      (b) Accident  
(c) **Blooming of volcano**                      (d) Landslide
13. Which of the following is a periodical change?
- (a) **Heart beat**                      (b) Earthquake  
(c) Eruption of volcano                      (d) Landslide
14. Which of the following is a non-periodical change?

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- (a) Oscillation of pendulum (b) Phases of moon
- (c) Occurrence of day and night (d) **Earthquake**
15. The reactions in which heat is liberated are called \_\_\_\_ reactions.
- (a) Endothermic (b) **Exothermic**
- (c) Adiabatic (d) Isothermic
16. The reactions in which heat is absorbed are called \_\_\_\_ reactions.
- (a) **Endothermic** (b) Exothermic
- (c) Adiabatic (d) Isothermic
17. In some changes, the substance can be brought back to its original state. Such changes are called \_\_\_\_ changes.
- (a) Periodic (b) Non-periodic
- (c) Undesirable (d) **Reversible**
18. Changes that are useful are called \_\_\_\_ changes.
- (a) Undesirable (b) **Desirable**
- (c) Periodic (d) Irreversible
19. Dissolution of glucose in water is an example of \_\_\_\_ reaction.
- (a) Adiabatic (b) Isothermal
- (c) **Edothermic** (d) Exothermic
20. When Ammonium chloride is dissolved in water \_\_\_\_ is absorbed.
- (a) Mass (b) **Heat**
- (c) Time (d) Salt
21. Dissolution of quick lime in water is an example of \_\_\_\_ reaction.
- (a) **Exothermic** (b) Endothermic
- (c) Isochronous (d) Isobaric
22. Dissolution of detergent powder in water is an example of \_\_\_\_ reaction.

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- (a) **Exothermic** (b) Endothermic  
(c) Isochronous (d) Isobaric

### II. Fill in the blanks.

1. Curdling of milk is an \_\_\_\_\_ change.

**Ans: irreversible**

2. Ripening of fruit is \_\_\_\_\_ change.

**Ans: desirable irreversible**

3. Burning of paper is a \_\_\_\_\_ change.

**Ans: fast**

4. Melting of ice is a/an \_\_\_\_\_ change.

**Ans: reversible**

5. Seasonal changes are \_\_\_\_\_ changes.

**Ans: periodic**

6. Eruption of volcano is \_\_\_\_\_ change.

**Ans: non-periodic**

7. When detergent powder is dissolved in water, heat is \_\_\_\_\_

**Ans: liberated**

8. When glucose is dissolved in water, heat is \_\_\_\_\_

**Ans: absorbed**

9. Germination of seed is \_\_\_\_\_

**Ans: slow change**

10. Burning of paper is \_\_\_\_\_

**Ans: fast change**

11. Kalpana Chawla was the \_\_\_\_\_ who travelled to the space.

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**Ans: first Indian woman**

12. She went round the world within \_\_\_\_\_

**Ans: one and half hours**

13. Useful changes are called \_\_\_\_\_

**Ans: desirable changes**

14. Velco was invented in the year \_\_\_\_\_

**Ans: 1948**

15. Velco is widely used in \_\_\_\_\_

**Ans: foot wear**

16. Dissolution of glucose is an \_\_\_\_\_

**Ans: endothermic**

17. Trees which are buried under the earth are turned into \_\_\_\_\_

**Ans: coal**

18. Release of compressed spring is \_\_\_\_\_

**Ans: reversible**

### III. Match the following

1.

- |                       |                      |
|-----------------------|----------------------|
| 1. Burning of paper   | a. Desirable change  |
| 2. Rusting of iron    | b. Reversible change |
| 3. Melting of ice     | c. Slow change       |
| 4. Ripening of fruits | d. fast change       |

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

2.

- |                    |                        |
|--------------------|------------------------|
| 1. Melting of Gold | a. Reversible change   |
| 2. Melting of Tar  | b. Irreversible change |



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3. The batter from Idly or dosa      c. Undesirable change  
4. Eruption of volcano                      d. Reversible change

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

**3.**

1. Earth quake                              a. Endothermic changes  
2. Weather                                      b. Non-periodic changes  
3. Buring of match stick                      c. Periodic changes  
4. Dissolution of glucose                      d. Exothermic changes

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

**4.**

1. Full moon and New moon                      a. Exothermic changes  
2. Weather                                      b. Endothermic changes  
3. Buring of match stick                      c. Periodic changes  
4. Dissolution of glucose                      d. Periodic changes

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

### 4. Measurement and Motion

**I. Choose the correct answer.**

1. SI unit of length is\_\_\_\_\_
- (a) centimetre                              (b) millimetre  
(c) **metre**                                      (d) kilometre
2. The symbol for SI unit of mass is\_\_\_\_
- (a) g                                      (b) **kg**  
(c) mg                                      (d) cg
3. 1 metric tonne is equal to\_\_\_\_\_
- (a) **1000 kilograms**                              (b) 100 kilograms

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- (c) 1 kilogram (d) 10 kilograms
4. SI unit of time is \_\_\_\_\_
- (a) **second** (b) minute  
(c) week (d) day
5. 1 hour = \_\_\_\_\_ seconds
- (a) 60 (b) **3600**  
(c) 24 (d) 1000
6. Movement of a branch of a tree in air an example for \_\_\_\_\_
- (a) Linear motion (b) Circular motion  
(c) **Periodic motion** (d) Rotational motion
7. The motion of a rolling ball is \_\_\_\_\_ motion.
- (a) Circular (b) Linear  
(c) **Rotational** (d) Multiple
8. When a bicycle is in motion, the pump which is used to fill the air will perform \_\_\_\_\_
- (a) Random motion (b) Periodic motion  
(c) Circular motion (d) **All of these**
9. The vegetables are weighed with the help of a \_\_\_\_\_
- (a) scale (b) **balance**  
(c) measuring jar (d) watch clock
10. Which one of the following is not the unit of length?
- (a) Hands pan (b) Metre  
(c) Kilometre (d) **kilogram**
11. 1 kilometre is equal to \_\_\_\_\_
- (a) 10000 millimetre (b) 10 metre

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- (c) **1000 metre** (d) 100 metre
12. \_\_\_\_\_ days are equal to one year.
- (a) 24 (b) **365**  
(c) 1000 (d) 3600
13. Which of the following system is accepted as international standard system?
- (a) CGS (b) F P S  
(c) M K S (d) **S I**
14. 100kilogram is equal to\_\_\_\_\_
- (a) 1 metric tonne (b) **1 quintal**  
(c) 1 tonne (d) 1000 milligram
15. Which one of the following is used to measure liquids?
- (a) **Litre** (b) Second  
(c) Micro second (d) Hands pan
16. Which one of the following is a linear motion?
- (a) Motion of cycle wheel (b) **Motion of a lift**  
(c) Rolling ball (d) Drilling machine
17. The motion of a drilling machine is \_\_\_\_\_
- (a) circular (b) linear  
(c) **circular and linear** (d) oscillatory

### II. Fill in the blanks.

1. One metre = **100** centimetre
2. One kilometre= **1000** metre
3. One quintal = **100** kilogram
4. One minute = **60** seconds

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5. The mass of gold is measured by the unit \_\_\_\_\_

**Ans: gram**

6. Rice, sugar etc are measured by the unit \_\_\_\_\_

**Ans: kilogram**

7. Generally sugarcane is weighted by the unit \_\_\_\_\_

**Ans: tonne**

8. The mass of the chemicals present in a tablet are expressed in the unit \_\_\_\_\_

**Ans: milligram**

9. Many physical quantities have both \_\_\_\_\_ and \_\_\_\_\_.

**Ans: magnitude, unit**

10. \_\_\_\_\_ is the multiple unit of length.

**Ans: Kilometre**

11. The mass of a body is the amount of \_\_\_\_\_ contained in it.

**Ans: matter**

12. For measuring time accurately, nowadays we use \_\_\_\_\_ and \_\_\_\_\_.

**Ans: electronic, atomic clock**

13. Motion of the moon around the earth is \_\_\_\_\_ motion.

**Ans: rotational**

14. \_\_\_\_\_ is defined as the change of position of an object with respect to time.

**Ans: Motion**

15. Centimetre, gram, second is called \_\_\_\_\_ system of units.

**Ans: CGS**

16. Centimetre, millimetre are called \_\_\_\_\_ of metre.

**Ans: submultiples**

17. \_\_\_\_\_ is defined as the interval between two events.

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**Ans: Time**

18. Motion of a body dropped from the top of the building is \_\_\_\_\_ motion.

**Ans: linear**

19. \_\_\_\_\_ is called as Father of Robot.

**Ans: Issac Asimov**

20. Robot is a \_\_\_\_\_

**Ans: human machine**

### III. Match the following.

1.

- |                                   |               |
|-----------------------------------|---------------|
| 1. Thickness of a five rupee coin | a. Kilometre  |
| 2. Breadth of a classroom         | b. centimetre |
| 3. Distance between two places    | c. millimetre |
| 4. Height of your friend          | d. metre      |

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

2.

- |            |                   |
|------------|-------------------|
| 1. mass    | a. 1 kilometre    |
| 2. length  | b. 1 metric tonne |
| 3. time    | c. kilogram       |
| 4. 1000 m  | d. metre          |
| 5. 1000 kg | e. second         |

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

### IV. Answer the following in one or two words.

1. What is the device used to measure time accurately?

**Ans: Atomic clock**

2. Define time.

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**Ans: Time is defined as the interval between two events.**

3. What is length?

**Ans: The distance between any two points.**

4. Name the various units of mass.

**Ans: Gram, kilogram, quintal and metric tonne.**

5. Mention any two tools to measure length.

**Ans: Tape, metre scale**

6. What are the balance used to measure mass?

**Ans: (a) Beam balance (b) Physical balance (c) Electronic balance.**

7. Give an example of rotational motion.

**Ans: Motion of a spinning top.**

### 5. Magnetism

**I. Choose the correct answer.**

1. It is a natural magnet.

(a) Bar magnet

(b) **Magnetite**

(c) Ring magnet

(d) Horse-shoe magnet

2. An object that is attracted by magnet.

(a) Wooden piece

(b) **Plain pins**

(c) Eraser

(d) A piece of paper

3. The people who made mariner's compass for the first time.

(a) Indians

(b) Europeans

(c) **Chinese**

(d) Egyptians

4. A freely suspended magnet always comes to rest in the \_\_\_\_\_ direction.

(a) North-east

(b) South-west

(c) East-west

(d) **North-south**

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5. Magnets lose their properties when they are

- (a) used
- (b) stored
- (c) **hit with a hammer**
- (d) cleaned

6. Mariner's compass is used to find the

- (a) speed
- (b) displacement
- (c) **direction**
- (d) motion

7. Which of the following is used in lifts and escalators?

- (a) Iron rod
- (b) Temporary magnet
- (c) **Electromagnet**
- (d) Bar magnet

8. In which of the following electromagnets are used?

- (a) Flying trains
- (b) Lifts
- (c) Escalators
- (d) **All the these**

9. Which of the following is attracted by magnets?

- (a) Paper
- (b) **Nail**
- (c) Wooden scale
- (d) Plastic scale

10. Which of the following is not attracted by the magnet?

- (a) Iron ball
- (b) Nail
- (c) **Chalk piece**
- (d) Blade

11. Which one of the following principles is used in an electromagnetic train?

- (a) **Magnetic attraction and repulsion**
- (b) Forces of induction
- (c) Vanderwaal's force
- (d) Dipole-Dipole attraction

12. The natural magnet was discovered by\_\_\_\_\_

- (a) **Magnes**
- (b) Thomas

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- (c) Magnesia (d) Robert Hooke
13. Which of the following is called natural magnet?
- (a) Pyrolusite (b) Magnesite  
(c) **Magnesite** (d) Magnesium sulphate
14. Which of the following is the characteristic property of natural magnet?
- (a) **They do not have definite shape**  
(b) They have definite shape  
(c) They come to rest in east-west direction  
(d) All the above
15. Natural magnets are otherwise called\_\_\_\_\_
- (a) bar magnet (b) **lode stones**  
(c) electromagnet (d) ring magnet
16. Which one of the following is the shape of the natural magnet?
- (a) Ring (b) Horse shoe  
(c) **Shapeless** (d) Bar
17. Which of the following is the characteristic of an electromagnetic train?
- (a) Do not have wheels (b) Runs faster than ordinary train  
(c) Does not make noise (d) **All the above**
18. Electromagnetic trains are called suspension trains since they run\_\_\_\_\_
- (a) on tracks (b) with high speed  
(c) **without touching the rails** (d) by electricity
19. Cranes are used to lift heavy load with the help of\_\_\_\_\_
- (a) bar magnet (b) **powerful electromagnet**  
(c) horse shoe magnet (d) ring magnet
20. Which of the following is attached to the pin holder and the refrigerator?



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(a) **Magnet**

(b) Magnesium

(c) Copper

(d) Silver

21. Which of the following attracts more iron fillings?

(a) Bar magnet

(b) **Horse shoe magnet**

(c) Temporary magnet

(d) Iron rod

22. The place at which the attractive force is more in a magnet is \_\_\_\_\_

(a) **poles**

(b) centre

(c) entire surface

(d) a midpoint

23. When two north poles of two bar magnets are brought closer there will be \_\_\_\_\_

(a) attraction

(b) **repulsion**

(c) collision

(d) none of these

24. When a North pole and South pole are brought closer, they show \_\_\_\_\_

(a) **attraction**

(b) repulsion

(c) move away from each other

(d) all of these

25. Electromagnetic train is also called \_\_\_\_\_

(a) electric train

(b) ordinary train

(c) **flying train**

(d) slow train

### II. Fill in the blanks.

1. \_\_\_\_\_ are used to operate electromagnetic trains, lift and escalators.

**Ans: Powerful electromagnets**

2. Natural magnets are called \_\_\_\_\_ stones.

**Ans: magnetic**

3. The two ends of a magnet where the attractive force is more are called \_\_\_\_\_

**Ans: poles**

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4. Powerful magnets are used to operate electromagnetic trains, lifts and \_\_\_\_\_

**Ans: escalators**

5. Natural magnets come to rest in \_\_\_\_\_ direction.

**Ans: north-south**

6. The substances that are not attracted by a magnet are called \_\_\_\_\_

**Ans: non-magnetic**

7. The attractive force is more at the \_\_\_\_\_ of the magnet.

**Ans: poles**

8. \_\_\_\_\_ magnet attracts more iron filings at the two ends.

**Ans: Horse shoe**

9. \_\_\_\_\_ poles attract each other.

**Ans: Unlike**

10. The change in \_\_\_\_\_ pushes and pulls the electromagnetic train.

**Ans: polarity**

11. Electromagnetic train is also called \_\_\_\_\_ train.

**Ans: flying (or) suspension**

12. Magnetites are the \_\_\_\_\_

**Ans: natural magnet**

13. Earth behaves like a \_\_\_\_\_

**Ans: giant magnet**

14. Electromagnetic train does not require \_\_\_\_\_

**Ans: Petrol**

15. The electric current that changes constantly allows a change in \_\_\_\_\_ of electromagnetic.

**Ans: polarity**

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16. For \_\_\_\_\_ magnet one should keep a piece of iron across the poles.

**Ans: horse shoe**

17. \_\_\_\_\_ proposed that earth behaves like a giant magnet.

**Ans: William Gilbert**

### III. Match the following

1.

- |                          |                           |
|--------------------------|---------------------------|
| 1. Magnes                | a. Chinese                |
| 2. Plastic scale         | b. Natural magnet         |
| 3. Nail                  | c. Flying train           |
| 4. Electromagnetic train | d. Non-magnetic substance |
| 5. Mariner's compass     | e. Magnetic substance     |

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

2.

- |                            |                           |
|----------------------------|---------------------------|
| 1. Natural magnet          | a. Electromagnetic trains |
| 2. Lode stones             | b. Asia Minor             |
| 3. Powerful electromagnets | c. Magnetites             |
| 4. Magnesite               | d. North-south direction  |

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

3.

- |                     |  |
|---------------------|--|
| 1. powerful magnets | a. Magnetites  |
| 2. Magnetites       | b. Used by Chinese navigators to find the directions |
| 3. Natural magnets  | c. Lift heavy iron loads                             |
| 4. Magnets          | d. do not have definite shape.                       |

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

4.

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- |                           |                                |
|---------------------------|--------------------------------|
| 1. Artificial magnets     | a. Strongest magnetic force    |
| 2. Non-magnetic substance | b. Man-made magnets            |
| 3. Magnetic substance     | c. Plastic scale, wooden scale |
| 4. Ends of a magnet       | d. Iron, nickel and cobalt     |

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

**5.**

- |  |   |
|--|---|
| 1. Ends of the magnets are called                                | a. Poles                                |
| 2. Magnetic needles always rests in                              | b. North south direction                |
| 3. Magnetic compass  | c. Used to find out different direction |
| 4. North pole and south pole of a magnet brought closer leads to | d. Attraction                           |

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

**IV. Answer the following in one or two words.**

1. Who discovered natural magnet?

**Ans: Magnes**

2. What is north pole?

**Ans: North seeking pole**

3. What is south pole?

**Ans: South seeking pole**

4. What are the substances attracted by magnets?

**Ans: Plain pins, nails, blade, iron**

5. Name the substances not attracted by magnets?

**Ans: Wooden scale, Plastic scale, Chalk piece**