



**DELHI PUBLIC SCHOOL NEWTOWN**  
**SESSION 2021-22**  
**HALF YEARLY EXAMINATION (ONLINE)**  
**POLLING PAPER**

**CLASS: IX**

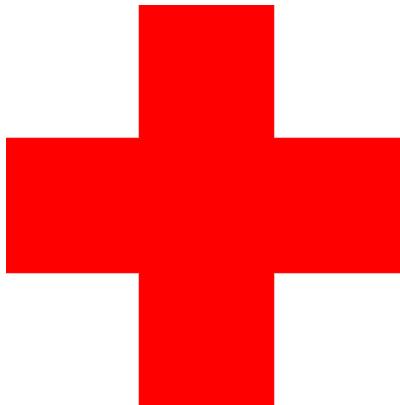
**FULL MARKS: 30**

**SUBJECT: BIOLOGY (PAPER 2)**

**TIME: 40 MINUTES**

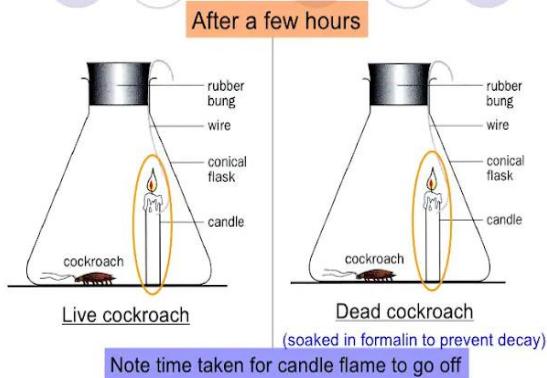
**Multiple choice questions:**

1. The first antibiotic that was discovered is \_\_\_\_\_.  
a. Streptomycin    b. Penicillin    c. Insulin    d. Paracetamol.
2. Observe the picture given below and name the organization that has this emblem.

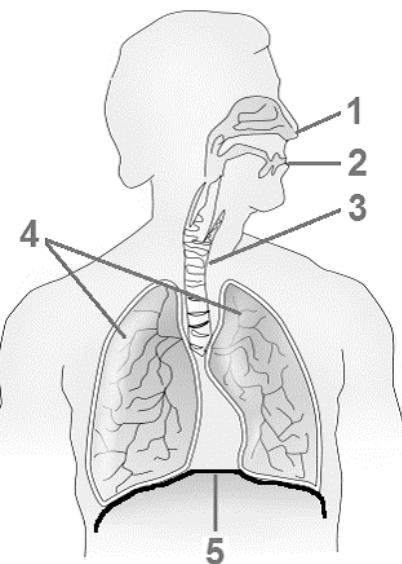


- a. UNICEF    b. Red Cross    c. UNO    d. WHO
3. Disposal of waste by burning is called \_\_\_\_\_.  
a. Dumping    b. Drainage    c. Incineration    d. Composting
4. The headquarters of WHO is located at \_\_\_\_\_.  
a. California    b. Geneva    c. Bangalore    d. New York
5. Toxins are made harmless by adding \_\_\_\_\_.  
a. Dilute hydrochloric acid    b. Dilute Formic acid    c. Dilute Formalin    d. water
6. \_\_\_\_\_ immunity is also called native immunity.  
a. Innate    b. Acquired    c. Passively acquired immunity    d. Actively acquired immunity.

7. Observe the experiment given below and state the aim of the experiment.



- a. To measure the volume of expired air
  - b. To measure the amount of CO<sub>2</sub> released
  - c. To show that oxygen is taken in by animals during respiration
  - d. To show the oxygen is needed in photosynthesis.
8. Deficiency of oxygen reaching tissues is called \_\_\_\_\_.
- a. Hypoxia
  - b. Anoxia
  - c. Asphyxiation
  - d. Food poisoning
9. Air breathed in and out in a normal breathing is called \_\_\_\_\_.
- a. Dead air space
  - b. Residual volume
  - c. Tidal volume
  - d. Vital capacity
10. Identify the part that contracts during inhalation.



- a. 1
- b. 3
- c. 5
- d. 2

11. Which pairs of ribs are the floating ribs?



- a. 1<sup>st</sup> and 2<sup>nd</sup>    b. 10<sup>th</sup> and 11<sup>th</sup>    c. 12<sup>th</sup> and 13<sup>th</sup>    d. 11<sup>th</sup> and 12<sup>th</sup>

12. \_\_\_\_\_ bone marrow gives rise to the white blood cells.

- a. Red    b. Yellow    c. Green    d. Pink

13. The bone from which Calcium is removed is called \_\_\_\_\_ bone

- a. Oxidised    b. Ash    c. Decalcified    d. Organic

14. External surface of the bone is covered by a membrane called \_\_\_\_\_.

- a. Pericardium    b. Pleural membrane    c. Periosteum    d. Perichondrium

15. Substrate of ptyalin is \_\_\_\_\_.

- a. Glucose    b. Lactose    c. Starch    d. Maltose

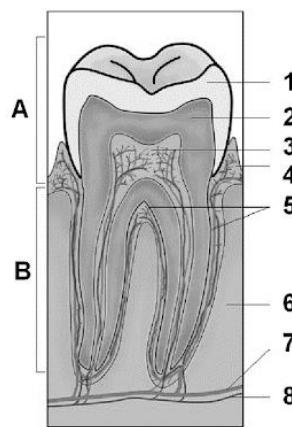
16. Lymph vessels present inside the villus is called \_\_\_\_\_.

- a. Gall bladder    b. Salivary gland    c. Lacteals    d. Tonsils

17. Inactive pepsinogen is activated into pepsin by \_\_\_\_\_.

- a. Formic acid    b. Sulphuric acid    c. Hydrochloric acid    d. Nitric acid.

18. Observe the picture given below and mention which part of the teeth is exposed above the gum?

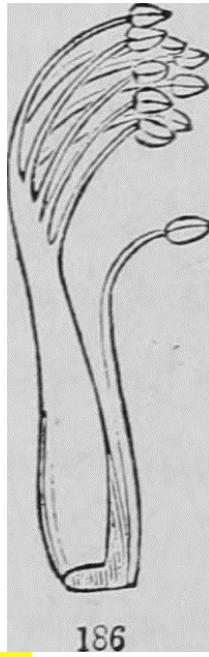


- a. A    b. B    c. 1    d. 2

19. Anaemia is due to the deficiency of \_\_\_\_\_ in blood.  
a. Iron      b. Potassium    c. Calcium    d. Copper
20. Sodium deficiency in our body causes \_\_\_\_\_.  
a. Rickets    b. Skin problems    c. Muscular cramps    d. Food poisoning.
21. Which of these is a water-soluble vitamin?  
a. Vitamin A    b. Vitamin D    c. Vitamin E    d. Vitamin C
22. The picture given below shows a flower arising from the axil of a leaf-like structure called \_\_\_\_\_.  


- a. Sepal    b. Petal    c. Bract    d. Nectaries

23. The type of stamen shown in the picture given below is of a \_\_\_\_\_ stamen.



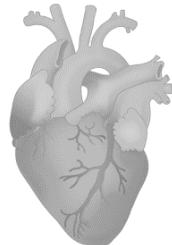
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- a. Monadelphous    b. Diadelphous    c. Polyadelphous    d. Gamopetalous.

24. The part of the neuron that contains the nucleus is the \_\_\_\_\_.

- a. Axon
- b. Dendron
- c. Cyton
- d. Myelin sheath

25. Name the type of muscle tissue that makes up the organ shown in the picture below:-



- a. Skeletal
- b. Smooth
- c. Cardiac
- d. Striated

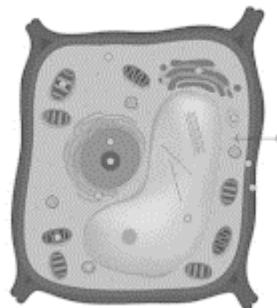
26. The walnut shell is made up of \_\_\_\_\_.

- a. Parenchyma
- b. Collenchyma
- c. Sclerenchyma
- d. Xylem

27. Covering of the vacuole is called \_\_\_\_\_.

- a. Nuclear membrane
- b. Plasma membrane
- c. Tonoplast.
- d. Cell wall

28. Which of the following is absent in the cell shown below?



- a. Nucleus
- b. Cell wall
- c. Centrosome
- d. Mitochondria

29. \_\_\_\_\_ is freely permeable.

- a. Cell wall
- b. Cell membrane
- c. Plasma membrane
- d. Tonoplast.

30. The protein factories of the cell are \_\_\_\_\_.

- a. Ribosomes
- b. Mitochondria
- c. Cytoplasm
- d. Vacuole.