

**INTERNATIONAL TALENT SEARCH EXAMINATION  
2024 – 2025 PRACTICE PAPER**

**CLASS – VIII ( SCIENCE )**

**Set – A**

1. The plant from which sugar can be obtained is  
(A) Sugarcane (B) Rice  
(C) Wheat (D) Soyabean
2. Timber producing tree is  
(A) Teak (B) Banana  
(C) Peepal (D) None of these
3. Bacteria commonly reproduces vegetatively by  
(A) Binary fission (B) Conjugation  
(C) Spore formation (D) Budding
4. Who discovered virus?  
(A) Leeuwenhoek (B) De Candolle  
(C) Ivanowski (D) Beijerinck
5. Which one among the following is a thermosetting plastic?  
(A) PVC (B) PVA  
(C) Bakelite (D) Polyethene
6. Which of the following is not a polymer?  
(A) Wool (B) Cotton  
(C) Leather (D) Fat
7. Which metal will replace copper from  $\text{CuSO}_4$  solution?  
(A) Zn (B) Fe  
(C) Mg (D) All of them
8. Arrange the metals A, B and C in order of decreasing reactivity keeping in view the following reactions:  
$$\text{A} + \text{BSO}_4 \longrightarrow \text{ASO}_4 + \text{B}$$
$$\text{B} + 2\text{CNO}_3 \longrightarrow \text{B}(\text{NO}_3)_2 + 2\text{C}$$
$$\text{A} + \text{C}_2\text{O} \longrightarrow \text{AO} + 2\text{C}$$
  
(A)  $\text{B} > \text{C} > \text{A}$  (B)  $\text{B} > \text{A} > \text{C}$   
(C)  $\text{A} > \text{C} < \text{B}$  (D)  $\text{A} > \text{B} > \text{C}$
9. The SI unit of force is  
(A) Newton (B) kg wt  
(C) Newton/m<sup>2</sup> (D) Pascal
10. 1 kg wt equals  
(A) 9.8 N (B) 98 N  
(C) 980 N (D) 1 N
11. SI unit of force of friction is

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- (A) N  
(C)  $\text{kg m/s}^2$
- (B) kg wt  
(D) none of these
12. The use of lubricants makes the surface  
(A) smooth  
(C) very rough
- (B) rough  
(D) none of these
13. Which group of vertebrates comprises the highest number of endangered species?  
(A) Mammals  
(C) Birds
- (B) Fishes  
(D) Reptiles
14. Special project(s) launched to protect endangered species is/are:  
(A) Project tiger  
(C) Project crocodile
- (B) Project elephant  
(D) All of these
15. Which of the following is a non-renewable resource?  
(A) Sunlight  
(C) Water
- (B) Air  
(D) Coal
16. Which of the following is **NOT** of petroleum origin?  
(A) Petrol  
(C) Coke
- (B) Diesel  
(D) LPG
17. Which of the following sound waves can not be heard by human?  
(A) 20 Hz  
(C) 15 Hz
- (B) 500 Hz  
(D) 15000 Hz
18. Which of the following statements is incorrect?  
(A) Sound travels in straight lines  
(C) Sound is a form of energy
- (B) Sound travels as waves  
(D) Sound travels faster in vacuum than in air
19. What organelle in higher plant cells contains chlorophyll?  
(A) Chloroplasts  
(C) Secretory vesicles
- (B) Cytosol  
(D) Nucleus
20. Which is smallest of these four?  
(A) Bacterium  
(C) Virus
- (B) Red blood cell  
(D) Lymphocyte
21. One of the following is not a combustible substance. This one is :  
(A) Alcohol  
(C) Asbestos
- (B) Hydrogen  
(D) Chaff
22. Which of the following is not a greenhouse gas?  
(A)  $\text{CO}_2$   
(C)  $\text{O}_3$
- (B)  $\text{CH}_4$   
(D)  $\text{N}_2$
23. When electric current is passed through acidulated water, the gases produced are  
(A) hydrogen and oxygen
- (B) hydrogen and ozone

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- (C) oxygen and peroxide (D) none of these
24. The object to be electroplated is made  
(A) cathode (B) anode  
(C) cathode or anode (D) none of these
25. What are the small particles that make up matter?  
(A) Charges (B) Electrons  
(C) Atoms (D) Protons
26. Why are protons and electrons attracted to each other?  
(A) Because protons have a positive charge and electrons have a negative charge.  
(B) Because protons have a negative charge and electrons have a positive charge.  
(C) Because they are both positively charged.  
(D) Because they are both negatively charged.
27. Multiple fission is commonly found in:  
(A) Amoeba (B) Paramecium  
(C) Plasmodium (D) Yeast
28. External fertilization occurs:  
(A) Inside female body (B) Outside female body  
(C) Inside male body (D) Outside male body
29. Thyroid and adrenal glands secrete their hormones when they receive instructions from..... gland through its hormones.  
(A) Pituitary (B) Pineal  
(C) Thymus (D) Pancreas
30. Menstrual cycle in women is controlled by:  
(A) FSH (B) LH  
(C) Progesterone (D) All of these
31. At which town/city river Yamuna has its most polluted zone?  
(A) Delhi (B) Kanpur  
(C) Varanasi (D) Nasik
32. Bleaching powder reacts with water to give ..... which kills germs.  
(A) H<sub>2</sub> (B) O<sub>2</sub>  
(C) O<sub>3</sub> (D) Cl<sub>2</sub>
33. Which of the following types of mirror is used in the solar cooker?  
(A) plane mirror (B) convex mirror  
(C) concave mirror (D) none of these
34. An incident ray makes an angle of 30° with a plane mirror. Then the angle of reflection is  
(A) 30° (B) 60°  
(C) 45° (D) 80°

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35. Light year is equal to  
(A)  $3 \times 10^5$  km (B)  $9 \times 10^{12}$  km  
(C)  $5 \times 10^6$  km (D)  $3 \times 10^{18}$  km
36. The star which appears stationary to us is  
(A) Rigel (B) Ballatrix  
(C) Polaris (D) Betelgeuse
37. The growth and production of flowering plants and vegetables is studied under:  
(A) Horticulture (B) Agriculture  
(C) Floriculture (D) None of these
38. Food preservation is done by addition of  
(A) Microorganisms (B) Acids  
(C) Water (D) Salt
39. Which of the following is a naturally occurring polymer?  
(A) Polyethene (B) PVC  
(C) Teflon (D) Protein
40. Which one of the following is not a noble metal?  
(A) Gold (B) Platinum  
(C) Iron (D) Silver
41. The unit of pressure used for meteorological purpose is called  
(A) bar (B) Pascal  
(C) kg wt. (D)  $N/m^2$
42. Ball bearings are used to  
(A) increase friction (B) decrease friction  
(C) optimize friction (D) none of these
43. Which of the following is not a vanishing wild animal of India?  
(A) Leopard (B) Nilgiri langur  
(C) Sloth (D) Fox
44. Naphthalene balls are obtained from:  
(A) Coke (B) Coal tar  
(C) Coal gas (D) Bitumen
45. Ultrasonic waves are those waves:  
(A) Which a man can hear (B) which a man cannot hear  
(C) Which are of high velocity (D) which have high amplitude