

INTERNATIONAL TALENT SEARCH EXAMINATION  
2024 – 2025 PRACTICE PAPER

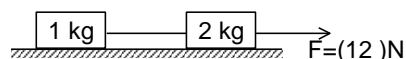
**CLASS – VIII ( SCIENCE )**

**Set – C**

1. Best method to increase crop yield is  
(A) Using tractors (B) Sowing seeds of improved varieties  
(C) Eradication of weeds (D) Reduce ration holders
2. Dropping the mixture on the ground from a height in blowing wind is called  
(A) Threshing (B) Winnowing  
(C) Tilling (D) None of these
3. Bacteria were discovered by  
(A) Linnaeus (B) Pasteur  
(C) Koch (D) Leeuwenhoek
4. The disease caused by a protozoan and spread by an insect is.....  
(A) Dengue (B) Malaria  
(C) Polio (D) Measles
5. Terylene is used for making :  
(A) Silk (B) Fabrics  
(C) Seat belts (D) All of these
6. Which of the following is currently used as a tyre cord?  
(A) Terylene (B) Polyethene  
(C) Bakelite (D) Nylon 6
7. Which is not the constituent of bronze?  
(A) Copper (B) Tin  
(C) Zinc (D) None of these
8. Which is an alloy of aluminium?  
(A) Alnico (B) Duralumin  
(C) Both (A) and (B) (D) None of these
9. For same amount of force acting on two surfaces, the pressure will be more on that surface whose area is  
(A) more (B) less  
(C) pressure will not depend upon area (D) pressure will not depend upon force
10. When a body is stationary  
(A) there is no force acting on it  
(B) the forces acting on it are not in contact with it  
(C) the combination of forces acting on it balances each other  
(D) the body is in vacuum
11. It is easier to maintain the motion than to starts it because  
(A) kinetic friction > limiting friction (B) kinetic friction < limiting friction  
(C) kinetic friction = limiting friction (D) none of these

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12. In the shown arrangement,

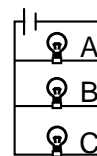


- If coefficient of friction between blocks and surface is 0.1 the tension in the string would be
- (A) 4N (B) 3N  
(C) 2N (D) 1 N
13. What will happen if deer is missing in the food chain given below?  
Grass → Deer → Tiger
- (A) The population of tiger increases  
(B) The population of grass decreases  
(C) Tiger will start eating grass  
(D) The population of tiger decreases and the population of grass increases
14. Viable material of endangered species can be preserved by:
- (A) Gene bank (B) Cryo-preservation  
(C) Both (A) and (B) (D) Herbarium
15. Which of the following is used as antiknock agent?
- (A) Tetraethyl lead (B) Carbon tetrachloride  
(C) Methane (D) Benzene
16. When natural gas is compressed at very high pressure, it is called:
- (A) CNG (B) LPG  
(C) Bitumen (D) None of these
17. Light can travel in vacuum but not sound, because:
- (A) speed of sound is very much slower than light  
(B) light waves are electromagnetic in nature  
(C) sound waves are electromagnetic in nature  
(D) light waves are not electromagnetic in nature
18. The velocity of sound is maximum in
- (A) water (B) helium  
(C) oil (D) copper.
19. All cells possess a plasma membrane which functions to:
- (A) Enclose the cell  
(B) Isolate the cell from random disturbances in the environment  
(C) Allow metabolic events to occur in an orderly fashion  
(D) All of the above
20. Which combinations of features are unique to plant cells?
- (A) Cellwall, central vacuole, chloroplast (B) Chloroplast, lysosome, golgibody  
(C) Central vacuole, nucleoplasm, centriole (D) Cellwall, mitochondria, plasmodesmata
21. Which of the following burns without producing a flame?
- (A) Camphor (B) Coke  
(C) Cooking gas (D) Kerosene
22. If greenhouse effect or global warming remains unchecked, it will alter :
- (A) Sea level (B) Rainfall  
(C) Temperature (D) All of these

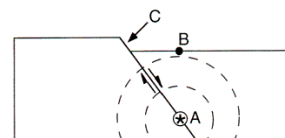
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23. During purification of metals, the refined metal is obtained at the  
 (A) cathode (B) anode  
 (C) surface of electrolyte (D) none of these

24. For the given circuit, diagram if the bulb A is fused, then  
 (A) only bulb B will glow (B) only bulb C will glow  
 (C) both bulbs B and C will glow (D) none of the bulbs will glow



25. Point A, where slip initiated during the earthquake, is called  
 (A) dip (B) epicenter  
 (C) focus (D) scarp



26. Point B is called  
 (A) dip (B) epicenter  
 (C) focus (D) scarp

27. The sperm of frog floats in the water to meet the ova, this process is called:  
 (A) Zygote (B) Ova  
 (C) External fertilization (D) Internal fertilization

28. In humans, .....days require for embryo to grow into a baby.  
 (A) 90 days (B) 120 days  
 (C) 280 days (D) 300 days

29. The process of release of ovum by the respective ovary is called as:  
 (A) Ovulation (B) Menstruation  
 (C) Menarche (D) Menopause

30. The female to male ratio in our country has fallen to:  
 (A) 933 : 1000 (B) 200 : 500  
 (C) 300 : 800 (D) 1 : 2

31. Which of the following are present in acid rain?  
 (A)  $H_2SO_4$  (B)  $HNO_3$   
 (C) HCl (D) Both (A) & (B)

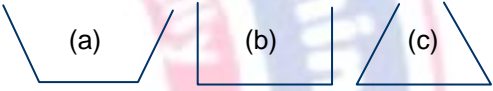
32. What concentration of CO(ppm) is responsible for causing death?  
 (A) 100 (B) 300  
 (C) 600 (D) 800

33. The point at which the incident ray strikes the reflecting surface is called the  
 (A) point of incidence (B) point of reflection  
 (C) point of refraction (D) none of these

34. A virtual image is  
 (A) always inverted (B) always erect  
 (C) can be erect (D) can be inverted

35. When the part of the moon that you can see is slowly getting bigger or growing, it is \_ \_ \_ \_ \_

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- (A) Waxing  
(C) New moon
- (B) Waning  
(D) Full moon
36. The meteors are commonly known as  
(A) shooting stars  
(C) evening star
- (B) Morning star  
(D) none of these
37. Farmers need to apply less nitrogenous fertilizers to fields if one of these is present:  
(A) Rhodophyceae  
(C) *Azolla* sp
- (B) *Spirogyra*  
(D) Weeds
38. Hydrophobia is caused by  
(A) Bacterium  
(C) Protozoan
- (B) Fungus  
(D) Virus
39. Thermosetting plastics are soluble in :  
(A) Water  
(C) Both (A) and (B)
- (B) Oil  
(D) None of these
40. Galvanised iron is protected from rust, because it has a coating of  
(A) Hg  
(C) Cr
- (B) Sn  
(D) Zn
41. The three vessels shown in the figure have same base area. Equal volumes of a liquid are poured in the three vessels. The force on the base will be
- 
- (A) maximum in vessel a  
(C) maximum in vessel c
- (B) maximum in vessel b  
(D) equal in all the vessels
42. If the normal force is doubled, the coefficient of friction is  
(A) not changed  
(C) doubled
- (B) halved  
(D) tripled
43. Creation of wildlife reserve and enforcement of laws are conservation measures that promote increased:  
(A) Use of biocides  
(C) Use of biological control
- (B) Preservation of species  
(D) Exploitation of species
44. Among other characteristics, a good fuel should have:  
(A) High calorific value  
(C) High temperature
- (B) Low calorific value  
(D) Low temperature
45. Sound travels in air as:  
(A) longitudinal waves  
(C) torsional waves
- (B) transverse waves  
(D) electromagnetic waves