

19. Which among the following produce seeds?  
 (a) Thallophyta (b) Bryophyta  
 (c) Pteridophyta (d) Gymnosperms
20. The chemical symbol for Helium is  
 (a) He (b) Ne  
 (c) Ar (d) H

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## CLASS – IX

### INSTRUCTIONS

This is a **MODEL PAPER** of National Science Hunt (NSH). This question paper contains **20** questions. For each correct answer four marks will be awarded. There is no negative marking, for each unattempted question zero marks will be awarded. Use the provided OMR sheet for answering. Use HB pencil/ball point pen to darken the circles. If you wish to change your answer, erase the already darkened circle completely and then darken the appropriate circle. Use of calculator and mobile phone is strictly prohibited during the examination.

### **SYLLABUS**

**Physics** : Motion, Force And Laws Of Motion, Gravitation, Work And Energy, Sound.

**Chemistry** : Matter In Our surroundings, Is Matter Around Us Pure, Atoms And Molecules, Structure Of Atoms

**Biology** : The Fundamental Unit Of Life, Tissues, Diversity In Living Organisms, Why Do We Fall Ill, Natural Resources, Improvement In Food Resources.

- During summer, water kept in an earthen pot becomes cool because of the phenomenon of  
 (a) Diffusion (b) Transpiration  
 (c) Evaporation (d) None of these
- Rusting of an article made up of iron is called  
 (a) Corrosion and it is a physical as well as chemical change  
 (b) Dissolution and it is a physical change  
 (c) Corrosion and it is a chemical change  
 (d) Dissolution and it is a chemical change
- Tincture of iodine has antiseptic properties. This solution is made by dissolving  
 (a) Iodine in potassium iodide (b) Iodine in vaseline  
 (c) Iodine in water (d) Iodine in alcohol

### **ANSWERS**

- |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. c  | 2. c  | 3. d  | 4. b  | 5. c  | 6. b  | 7. b  | 8. b  | 9. a  | 10. c |
| 11. b | 12. b | 13. c | 14. d | 15. d | 16. b | 17. b | 18. c | 19. d | 20. a |

4. The electronic distribution of Mg atom is  
 (a) 3, 8, 1 (b) 2, 8, 2  
 (c) 1, 8, 3 (d) 8, 2, 2
5. Which of the following can be made into crystal?  
 (a) A Bacterium (b) An Amoeba  
 (c) A Virus (d) A Sperm
6. Lysosome arises from  
 (a) DNA (b) Golgi apparatus  
 (c) Chloroplast (d) Mitochondria
7. Area under a  $v - t$  graph represents a physical quantity which has the unit  
 (a)  $m^2$  (b)  $m$   
 (c)  $m^3$  (d)  $m s^{-1}$
8. According to the third law of motion, action and reaction  
 (a) Always act on the same body  
 (b) Always act on different bodies in opposite directions  
 (c) Have same magnitude and directions  
 (d) Act on either body at normal to each other
9. A passenger in a moving train tosses a coin which falls behind him. It means that motion of the train is  
 (a) Accelerated (b) Uniform  
 (c) Retarded (d) Along circular track
10. Law of gravitation gives the gravitational force between  
 (a) The earth and Sun only  
 (b) The earth and Moon only  
 (c) Any two bodies having some mass  
 (d) Two charged bodies only

11. The atmosphere is held to the earth by  
 (a) Clouds (b) Gravity  
 (c) Wind (d) earth's magnetic field
12. Which kind of sound is produced by earthquake before the main shock wave begins  
 (a) Ultrasound (b) Infrasound  
 (c) Audible sound (d) None of the above
13. Fertilizers do not contain  
 (a) Nitrogen (b) Phosphorus  
 (c) Iron (d) Potassium
14. Poultry fowls are susceptible to the following pathogens  
 (a) Viruses (b) Bacteria  
 (c) Fungi (d) All of the above
15. Which factor does not lead to soil formation in nature  
 (a) The sun (b) Water  
 (c) Wind (d) Polythene bags
16. Rainfall patterns depend upon  
 (a) The underground water table  
 (b) The number of water bodies in an area  
 (c) The density pattern of human population in an area  
 (d) The prevailing season in an area
17. AIDS cannot be transmitted by  
 (a) Sexual contact (b) Hugs  
 (c) Breast feeding (d) Blood transfusion
18. Many skin diseases are caused by  
 (a) Virus (b) Bacteria  
 (c) Fungi (d) Mosquito