

19. World Environment Day is
 a) 5th June
 c) 5th August
 b) 28th February
 d) 28th April
20. The basic unit of a vertebrate kidney is
 a) Ureter
 c) Malpighian tubule
 b) Nephron
 d) Islets of Langerhans

CLASS – VIII

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 : Force And Pressure, Friction, Sound, Chemical Effects Of Current, Some Natural phenomenon, Light, Stars And The Solar system.

Chemistry : Synthetic Fibres and Plastics, Materials, metals and Non-Metals, Coal And Petroleum, Combustion And Flame.

Biology : Crop Production And Management, Microorganisms: Friend And Foe, Conservation Of Plants And Animals, Cell- Structure And Function, Reproduction In Animals, Reaching The Age Of Adolescence, Pollution.

- The acceleration of a body projected upwards with a certain velocity is
 a) 9.8m/s^2 b) -9.8 m/s^2 c) Zero d) None of these
- An iron ball and a wooden ball of the same radius are released from a height H in vaccum. The time taken by both of them to reach the ground are
 a) Roughly equal
 b) Unequal
 c) Exactly equal
 d) In the inverse ratio of their diameters
- A photocell converts light energy into
 a) Chemical energy b) Electrical energy
 c) Heat energy d) Mechanical energy

ANSWERS

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

4. The temperature of water at the bottom of a large waterfall is higher than that of the water at the top, because
 - a) The falling water absorbs heat from the sun
 - b) The KE of the falling water is converted into heat
 - c) The water at the bottom has greater PE
 - d) All of the above
5. A crest is the point of
 - a) Zero displacement
 - b) Maximum displacement
 - c) Minimum displacement
 - d) None of these
6. The Laws of Reflection are true for
 - a) The plane mirror only
 - b) The concave mirror only
 - c) The convex mirror only
 - d) All reflecting surfaces
7. The eye lens is a
 - a) Transparent double-convex lens
 - b) Transparent double-concave lens
 - c) Transparent concavo-convex lens
 - d) None of the above
8. 1 volt equals
 - a) 1 joule
 - b) 1 joule per coulomb
 - c) 1 coulomb per metre
 - d) 1 newton per coulomb
9. Producer gas is a mixture of
 - a) Carbon monoxide and nitrogen gas
 - b) Carbon monoxide and hydrogen gas
 - c) Carbon monoxide and water vapour
 - d) Carbon monoxide and nitrous oxide
10. Which of the following is not a mixture?
 - a) Air
 - b) Sea water
 - c) Ice
 - d) Soil

11. The sharp pain caused by the sting of an ant is due to
 - a) Malic acid
 - b) Nitric acid
 - c) Formic acid
 - d) Lactic acid
12. The number of electrons in an element with atomic number X and mass number Y will be
 - a) $X - Y$
 - b) $Y - X$
 - c) $X + Y$
 - d) X
13. Which of the following is not obtained on fractional distillation of petroleum?
 - a) Paraffin wax
 - b) Asphalt
 - c) Coal gas
 - d) Petroleum gas
14. The real bleaching agent present in bleaching powder is
 - a) Chlorine
 - b) Oxygen
 - c) CaO
 - d) None of these
15. The species, which are in danger of extinction, are referred to as
 - a) Endangered species
 - b) Vulnerable species
 - c) Threatened species
 - d) Rare species
16. Largest gland in human body is
 - a) Liver
 - b) Pancreas
 - c) Pituitary
 - d) Thyroid
17. Rh factor is named after
 - a) Drosophila
 - b) Monkey
 - c) Rat
 - d) Man
18. Growing of two or more crops simultaneously on the same piece of land is called
 - a) Mixed cropping
 - b) Mixed farming
 - c) Intercropping
 - d) Farming