

SAMPLE QUESTION PAPER

CLASS-VIII

(SCIENCE)2015

Time Duration: 3 Hrs.

Maximum Marks:80

SECTION A (Multiple Choice questions:)

Note: There are 20 MCQs, each carries 1 mark. Write the correct option only.

- 1) The star Polaris is present in the constellation
 - a) Ursa Major
 - b) Orion
 - c) Cassiopeia
 - d) Ursa Minor
- 2) It was identified as a planet by the British astronomer William Herschel in 1781
 - a) Neptune
 - b) Saturn
 - c) Uranus
 - d) Pluto
- 3) The brightest object in the night sky is
 - a) Jupiter
 - b) Venus
 - c) Sun
 - d) Moon
- 4) Image formed on retina is always
 - a) Upright
 - b) Inverted
 - c) Enlarged
 - d) all of these
- 5) An ebonite rod rubbed with wool acquires
 - a) a positive charge
 - b) a negative charge
 - c) no charge
 - d) none of these
- 6) The white part of the eye that we can see is known as
 - a) sclera
 - b) Cornea
 - c) Iris
 - d) Pupil
- 7) An object can be charged by
 - a) induction
 - b) friction
 - c) conduction
 - d) all of these
- 8) Site of implantation of ovum in human beings.
 - a) Ovary
 - b) Uterus wall
 - c) Cervix
 - d) Oviduct
- 9). Which hormone is known as fight or flight hormone
 - a) Adrenalin
 - b) Thyroxin
 - c) Insulin
 - d) testosterone
- 10)Which cell organelle is called the Kitchen of the cell
 - a) Ribosomes
 - b) Lysosomes
 - c) Centrosomes
 - d) Plastids
- 11) What is the first cell called after fertilization
 - a) Zygote
 - b) Embryo
 - c) Foetus
 - d) None of these.
- 12)What among below is found only in animal cells.
 - a) Cell wall
 - b) Centrosome
 - c) Ribosomes
 - d)None of these.
- 13)Which of the below is called the master gland of the body .
 - a.) Thymus
 - b) Adrenal
 - c) Thyroid
 - d) Pituitary
- 14)Which element is not liquid at room temperature?
 - a) Mercury
 - b)Silver
 - c)Bromine
 - d) none of these
- 15) _____ cannot displace copper from copper sulphate solution.
 - a) Iron
 - b) Zinc
 - c)gold
 - d)magnesium
- 16).Mass no. is the no. of_____ in an atom.
 - a) protons
 - b) electrons
 - c)neutrons
 - d) protons and neutrons
- 17)_____ is a noble gas.
 - a) Hydrogen
 - b)chlorine
 - c)Oxygen
 - d)Argon
- 18)If an atom loses an electron it changes into a/an_____
 - a) molecule
 - b)cation
 - c)anion
 - d)it remains unchanged
- 19) Algal bloom leads to:
 - a)acid rain
 - b)Eutrophication
 - c)Global warming
 - d)All of above
- 20). _____ is a l metal.
 - a) Phosphorus
 - b) Sulphur
 - c)Platinum
 - d) none of these

SECTION B

Biology

- Q1) What is the female gamete of Human beings? (1)
Q.2) Name the hormone secreted by thyroid gland? (1)
Q.3) Name the largest and longest cells? (1)
Q.4) Which algae is used in toothpaste to give it a gritty texture that helps in cleaning teeth? (1)
Q.5) Expand AIDS? (1)
Q.6) Give two points of difference between Asexual and Sexual reproduction with the help of one example. ? (2)
Q.7) Define: - a) Adolescence b) Menstrual cycle. (2)
Q.8) Write any two medicinal uses of micro-organisms? (2)
Q.9) Explain the process of binary fission in amoeba with the help of diagrams. (3)
Q.10) (a) What causes spoilage of food ? Write about any two indicators through which We can detect that food has become unfit for consumption. ? (2)
(b) What is pasteurization? (1)
Q.11) How can sex of a child be determined? Explain with diagram. (3)

Physics

- Q1. How can we differentiate between stars and planets by looking at them in the night sky ? (1)
Q2. What kind of charge is borne on clouds facing the earth ? (1)
Q3. What is a seismometer? (1)
Q4. Write the names of two satellites of Mars? (1)
Q5. Define myopia. (1)
Q6. Draw the constellation 'Orion' showing two prominent stars of it. (2)
Q7. Calculate the angle between two plane mirrors, if 9 images can be seen? (2)
Q8. Differentiate between meteoroids, meteors, and meteorites. (3)
Q9. State the two laws of reflection with the help of neat and labeled diagram. (3)
Q10. How does an earthquake occur? Explain with the help of a neat and labeled Diagram. (5)
OR
Explain the working of an electroscope with the help of a neat and labeled diagram.

Chemistry

- Q1. What are semiconductors. Give two examples of semiconductors. (2)
Q2. Give reason: (2)
i) Silver cannot displace copper from copper sulphate solution.
ii) Acids conduct electricity.
Q3. Draw a well labeled diagram electrolysis of water.. (2)
Q4. What is green house effect? How is it beneficial for the earth? What are the causes of global warming?.
Q5. Write balanced chemical equations for the following : (3)
i) Zinc reacts with dilute Hydrochloric acid to form zinc chloride and hydrogen gas.
ii) Potassium reacts with water to form Potassium hydroxide and hydrogen gas.
iii) magnesium burns in air to form magnesium oxide.
Q6. What do you mean by ozone layer ? Write two harmful effects of its depletion. (3)
Q7. Draw a well labeled diagram of eletro refining of copper. write the chemical reactions involved at anode and at cathode. (5)

OR

What is Sunderlal Bahuguna famous for? Write a short note on Chipko Movement