

ANNUAL EXAMINATION, 2018-19

SCIENCE

Time : 3 hrs.

Class – VIII

M.M. : 80

Date – 16.02.2019 (Saturday)

Name of the student _____

Section _____

General Instructions :

- Read the instructions carefully.
- All questions are **compulsory**.
- The question paper comprises section A and section B. Section A carries descriptive type question and section B carries multiple choice questions.
- Write the answers in **sequence**.
- Draw diagram wherever required.

SECTION - A

- Q.1** Name two metals which react vigorously even with cold water. (1)
- Q.2** Name one metal which, if ignited continues to burn in steam. (1)
- Q.3** Why can't you draw wires from a piece of wood or coal ? (2)
- Q.4** Why should the ignition temperature of a fuel not be below room temperature (2)
- Q.5** What is pressure ? What is the SI unit of pressure ? (2)
- Q.6** Name a non-metal which when red-hot reacts with steam ? What happens as a result of reaction ? Also write chemical equation for above reaction. (3)
- Q.7** a) Name the metals used in making bronze. (3)
b) Name any two noble metal.
c) Of what metal dental amalgams use for filling tooth cavities are made up of?
- Q.8** a) Define calorific value of a fuel. (1+2)
b) Why does a paper cup containing water not burn when placed over a flame ?
- Q.9** a) If everything in the universe attracts everything else, why do we not attract each other ? (1½)
b) The force of gravity of Moon is less than that of the Earth, why ? (1½)
- Q.10** What are echoes ? Why do we not hear them all the time ? Give one use of echo in medical field. (3)
- Q.11** a) What do you mean by electric discharge ? (1+2)
b) Explain how a piece of styrofoam gets charged when it is rubbed with a piece of paper.
- Q.12** Define electrolysis. Mention any two uses of electrolysis. (1+2)

OR

What is electroplating ? How are steel spoons plated with silver ?

- Q.13** a) Define dispersion of light. (1+2)
 b) State the laws of reflection of light, with suitable diagram.

OR

- a) What do you mean by accommodation of eye ?
 b) Mention any two defects of vision. How can they be corrected ?
- Q.14** Draw the figure of domestic water purifier that runs on electricity. Label any three parts of it. (3)

- Q.15** What are the functions of the Botanical survey, Zoological survey and Forest survey of India ? (1+1+1)

OR

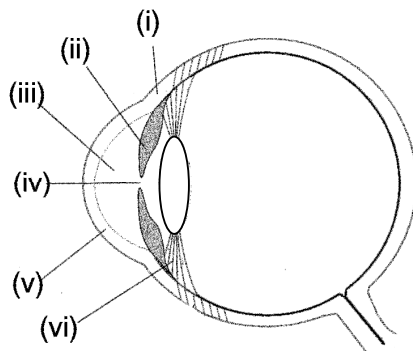
What is monoculture ? What is the danger linked to this practice (1+2)

- Q.16** a) Mention three ways by which a body can be charged. (1½)
 b) What will happen when someone touches the disc of a negatively charged electroscope. (1)

c) How does lightning occurs ? (2½)

- Q.17** a) What are electrolytes ? Give any two examples. (2+3)
 b) Why are metals good conductors of electricity ?

- Q.18** See the figure and answer the following question -



- a) Label (i), (ii), (iii), (iv), (v) and (vi) (3)
 b) Name the jelly like fluid present in the space behind the lens. (1)
 c) Mention the function of (ii). (1)
- Q.19** a) Name the products formed by the destructive distillation of coal. (2)
 b) Name any two plants used for making biodiesel. (1)
 c) Name the four types of coal. Mention amount of carbon present in them. (2)
- Q.20** a) Name any six chemical pollutants of water. (3)
 b) How does carbon monoxide affect us ? (2)

OR

- a) Name four water-borne diseases. (2)
 b) How is activated charcoal made ? (1)
 c) What is the advantage of using CNG in preference to petrol or diesel in automobiles ? (2)

- Q.21** a) Name three special projects launched to protect (particular) endangered animals in India. (1½)
 b) What is the aim of the Man and the Biosphere Programme of the UNESCO? (1½)
 c) What does 'sustainable utilisation' of natural resources mean ? (2)

OR

- a) Name three international organizations involved in the conservation of biodiversity. (1½)
 b) What is the aim of the Joint Forest Management programme ? (1½)
 c) Mention the difference between national park and national sanctuaries. (2)

SECTION - B

- Q.22** (i) Which of the following fuel has highest calorific value? (1)
 a) Wood b) Kerosene c) LPG d) Hydrogen
- (ii) Which of the following is not derived from fossils ? (1)
 a) LPG b) Kerosene c) Biogas d) diesel
- Q.23** (i) Two objects repel each other. This repulsion could be due to (1)
 a) frictional force only b) electrostatic force only
 c) Magnetic force only d) Either a magnetic or an electrostatic force
- (ii) Which of the following force is a contact force ? (1)
 a) force of gravity b) magnetic force
 c) frictional force d) electrostatic force
- Q.24** (i) What helps us distinguish between the same note of the same loudness produced by two musical instruments ? (1)
 a) Pitch b) Harmonics c) Frequency d) Amplitude
- (ii) The decibel is a unit that measures – (1)
 a) Loudness b) Pitch c) Frequency d) Quality
- Q.25** (i) Which one of the following solutions will not conduct electricity ? (1)
 a) lemon juice b) tap water c) vinegar d) vegetable oil
- (ii) Which of the following metal is used in electroplating to make objects appear shining ? (1)
 a) Iron b) chromium c) copper d) aluminium
- Q.26** (i) Which process is involved in the formation of rainbow ? (1)
 a) Refraction b) reflection c) dispersion d) lateral inversion
- (ii) Which of the following, always forms diminished and virtual image ? (1)
 a) Convex lens b) Convex minor c) Concave mirror d) Plane mirror
- Q.27** (i) Natural gas is used to produce – (1)
 a) coke b) carbon black c) biodiesel d) coal tar
- (ii) What percentage of the energy requirement of our country is met by coal ? (1)
 a) 10 b) 30 c) 65 d) 100

