

# SUMMATIVE ASSESSMENT-II, 2017

## SCIENCE

Time : 3 hrs.

Class VIII

M.M. : 100

Date – 23.2.2017 (Thursday)

Name of the student \_\_\_\_\_ Section \_\_\_\_\_

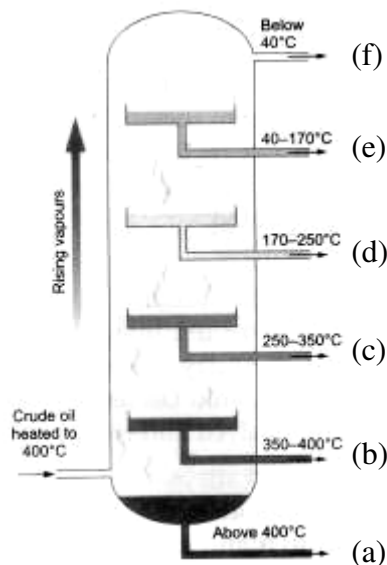
### General Instructions:-

- Read all the instructions and the questions carefully.
- The question paper consists of two sections – Section A and Section B. Both the sections are compulsory to attempt.
- **Section A** comprises descriptive type questions from **Q. No. 1-31** carrying 1 mark, 2 marks, 3 marks and 5 marks.
- **Section B** comprises multiple choice questions from **Q. No. 32- 46**, each carrying **1 mark**.
- All questions are compulsory to attempt.
- Draw neat and clean diagrams wherever required.
- **Please check that the question paper contains 3 printed pages.**

### SECTION –A

- Q.1** Name the endocrine gland that is present near the larynx. (1)
- Q.2** What is the process of the formation of a polymer from its monomer called? (1)
- Q.3** Name the fossil fuel that collects over petroleum in a petroleum well. (1)
- Q.4** At which electrode does the metal get released during the electrolysis of a metal-salt? (1)
- Q.5** Name a device that uses multiple reflection to produce pattern. (1)
- Q.6** Name any two products formed by destructive distillation of coal. (1)
- Q.7** How does the embryo receive nutrition in the mother's womb? (2)
- Q.8** What are those material called that (a) attract water and (b) repel water? (2)
- Q.9** Why does paper cup containing water not burn when placed over a flame? (2)
- Q.10** An object is placed between two mirrors that are at an angle of  $60^{\circ}$  to each other. How many images are formed? (2)
- Q.11** Why are coal, petroleum, and natural gas called fossil fuel? (2)
- Q.12** What is chemical pollution of water? (2)
- Q.13** What are hormones? Name any two hormones. (3)
- Q.14** Define calorific value of a fuel. Name any one fuel and its calorific value. (3)
- Q.15** What is an ion? Give examples of two types of ions. (3)
- Q.16** Define dispersion of light. Give two examples of such phenomenon. (3)
- Q.17** What is commercial energy? Name the two fossil fuels that meet over 90% of India's commercial energy. (3)
- Q.18** What are pollutants? Name any two air pollutants. (3)

- Q.19** What are gender roles? Give two examples. (3)
- Q.20** What are plastics? Name the two different types of plastics. (3)
- Q.21** Mention three disadvantages of using coal as a fuel. (3)
- Q.22.** What is an electrode? What are the positive and negative electrodes of an electrolytic cell called? (3)
- Q.23** What do you understand by the blind spot of the eye? (3)
- Q.24** Ali noticed that thick, black smoke was coming out from his school bus. He met the transport in-charge and convinced him to get the bus checked for harmful gases emission. (3)
- (i) Name any two gases coming out of thick black smoke.
- (ii) What are the effects of these pollutants on respiratory tract system?
- (iii) As a student what suggestion will you give to reduce air pollution from vehicles?
- Q.25** Draw a well labelled diagram of any one of the following: (3)
- i) The structure of a candle flame
- ii) Reflection of a ray of light on plane mirror
- Q.26** Observe the figure given below and label the parts of it given as a, b, c, d, e and f. (3)



- Q.27** What are secondary sexual characters? Mention the male and female secondary sexual characters in human being. (5)
- Q.28** What is electroplating? How are steel spoons plated with silver ? Draw diagram to show electroplating of spoon. (5)
- Q.29** a) State the laws of reflection of light. (2+2+1)
- b) Write any 4 properties of the image formed by a plane mirror.
- c) Define refraction of light.
- Q.30** a) List the six alternative sources of energy that we can use for the generation of electricity.
- b) What are renewable resources? Give one example. (3+2)
- Q.31** (a) Mention any three ways to prevent or reduce water pollution. (3+2)
- (b) What causes depletion of ozone layer? How does ozone layer protect us?

## SECTION – B

### Multiple Choice Questions.

(15)

- Q.32** The level of glucose in the blood is controlled by the  
(a) thyroid                      (b) pancreas                      (c) testis                      (d) ovary
- Q.33** Inside the uterus, the embryo is protected by the  
(a) umbilical cord              (b) fallopian tube              (c) amniotic fluid              (d) placenta
- Q.34** Which of the following materials will not melt on being heated?  
(a) cotton cloth              (b) nylon                      (c) polyester                      (d) polythene
- Q.35** Which synthetic fibre is crimped and a substitute for natural wool ?  
a) nylon                      (b) polyester                      (c) acrylics                      (d) rayon
- Q.36** The fuel used in spacecraft is  
a) liquid nitrogen              (b) liquid hydrogen              (c) petrol                      (d) diesel
- Q.37** Among other things, a good fuel should have a  
a) high calorific value      (b) low calorific value      (c) high temperature      (d) low temperature
- Q.38** If the gases coming out just above a candle flame are passed over anhydrous copper sulphate kept in a dish, the white colour of the salt turns blue. This indicates that the gases contain  
(a) carbon dioxide              (b) water vapour              (c) sulphur dioxide              (d) carbon monoxide
- Q.39** In electrolysis of common salt (NaCl), sodium is deposited  
(a) at cathode                      (b) at anode                      (c) in electrolyte                      (d) both (a) & (b)
- Q.40** The decomposition of liquid compound on passing an electric current through it is known as  
(a) electroplating              (b) electrolysis                      (c) magnetic effect              (d) electro-resistivity
- Q.41** Which one of the following solutions will not conduct electricity during electrolysis?  
(a) lemon juice                      (b) vinegar                      (c) tap water                      (d) vegetable oil
- Q.42** Which of the following part of eye controls the amount of light entering the eye by contracting or dilating?  
(a) retina                      (b) cornea                      (c) pupil                      (d) iris
- Q.43** Myopia can be corrected by using  
(a) concave lens                      (b) convex lens                      (c) concave mirror                      (d) convex mirror
- Q.44** The following is the relation between the object distance and the image distance in a plane mirror  
(a) object distance < image distance                      (b) object distance > image distance  
(c) object distance = image distance                      (d) no definite relation exists.
- Q.45** The best quality coal with highest carbon content is  
(a) peat                      (b) lignite                      (c) bituminous                      (d) anthracite
- Q.46** Reverse osmosis is used for the purification of  
(a) air                      (b) water                      (c) air as well as water                      (d) neither air nor water

