

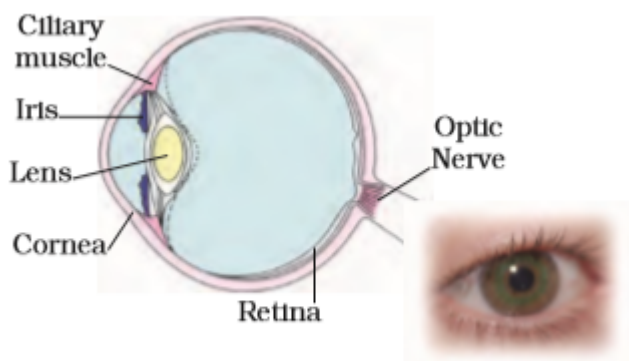
KENDRIYAVIDYALAYASANGATHAN,LUCKNOWREGION
SESSION ENDING RE-EXAMINATION 2023-24
CLASS8 SCIENCE
SET2MARKINGScheme

SECTION A

1.	(c) 65°	1
2.	(d) vacuum	1
3.	(c) Menarche	1
4.	(b) Metamorphosis	1
5.	(a) Lowest temperature at catch fire	1
6.	(b) 11 to 19 years	1
7.	(c) light	1
8.	(c) Malaria	1

SECTION B

9.	a) The angle of reflection and the angle of incidence are always equal to one another. b) The reflected ray, the incident ray, and the normal to the reflective surface at the point of incidence all come on the same plane.	2
10.	frequency = 10 Hz Time period = 0.1 s	2
11.	(a) Yeast (b) Bacteria- <i>Vibrio cholera</i>	2
12.	ANY 2 points Zygote: - It is the earliest stage of development - It is formed by the fusion of male and female gametes - It is a single cell - The zygote divides several times to form an embryo - The zygote normally lasts a week and then develops into its next stage. Foetus - It is the last developmental stage of an organism - The stage of the embryo shows all the main recognisable body parts of a mature organism. - The foetus stage occurs after the embryo stage - Foetus mainly undergoes internal development	2
13.	(a) negative (b) electroplating	2

SECTION C		
14.	Microorganisms cause diseases in plants and animals. For example, Cholera in humans is caused by bacteria called <i>Vibrio cholera</i> . In animals, the virus causes foot and mouth diseases. Microorganisms spoil food by decomposing the food material. Some microorganisms spoil leather and clothes. Microorganisms are also responsible for food poisoning.	3
15.	(i) Always remain in a closed place, and if you are in a car, stay there until the lightning is over and keep the windows closed. (ii) Never touch any electrical wires, telephone cables or metal pipes. (iii) Never bathe in running water; this may cause electric shock.	3
16.	• The presence of air or oxygen. • The presence of fuel plays a significant role. • Ignition temperature is maintained (It is defined as the substance that catches fire at its lowest temperature.)	3
17.	a) Water is a good conductor of electricity. If added to an electrical fire, the water would just spread the electricity further. The person dousing the fire might get an electric shock.	1.5
	b) LPG, being a cleaner fuel than wood, doesn't release smoke and other pollutants. Wood, on the other hand, releases a lot of smoke and fumes polluting the atmosphere causing pollution and leading to respiratory diseases. Hence, LPG is a better domestic fuel than wood.	1.5
SECTION D		
18.	 Fig. 16.14 : Human eye	5
19.	a. The liquid may be non-conducting. In this case, the circuit is incomplete, and the current does not pass through the liquid. b. Electric current may be weak for the circuit is made up of a material which is not a good conductor of electricity, or there is insufficient energy in the battery to generate electricity.	5
20.	a) Adam's apple: In human males, the larynx grows larger at the time of puberty and can be seen as a protruding part of the throat. This protrusion is known as Adam's apple. In boys, under the influence of sex hormones, the larynx becomes prominent. Due to this, the vocal cord becomes thicker and longer, which causes the voice to be hoarse. On the other hand, in females, the larynx is small and hardly visible. Therefore, girls have a high-pitched voice while boys have a deep voice.	5

	b) Secondary sexual characters: Characters which usually appear during the phase of puberty are called secondary sexual characteristics. These are the features that help distinguish the male and female bodies from each other. Characteristics seen in males: Hoarseness of voice, the appearance of beard, broadness of chest, growth of hair in genital areas. Characteristics seen in females: Start of the menstrual cycle, growth of breasts, growth of hair in the genital areas. c) Sex determination in the unborn baby: The sex of an unborn baby depends upon the pair of sex chromosomes that are present in the cells of the baby. X and Y chromosomes are the sex chromosomes in humans. Ovum always contains X chromosome, and male sperm may carry either the X chromosome or Y chromosome. Male genetic make-up is 44 autosomes + XY chromosome, and female genetic make-up is 44 autosomes + XX chromosomes. OR The chemical substances produced by the sex organs are called sex hormones. For example, in females, the sex hormone produced by the ovary is called oestrogen and in males, the sex hormone produced by the testis is called testosterone. Some of the functions performed by the sex hormones: Oestrogen: This hormone is responsible for the development of secondary sexual characteristics in females, like enlargement of breasts, development of female reproductive organs, etc. Testosterone: This hormone develops secondary sex characteristics in boys, such as the growth of beard, the voice becoming hoarse, the development of the reproductive organs, etc.	
SECTION E CCT		
21.	1. (d) Lightning 2. The Earth is made up of three different layers: the crust, the mantle and the core. 3. An instrument that records seismic waves is called a seismograph. 4. earthquakes. 5. crust 6. Any two preventions	1 1 1 1 1 Or 0.5 each
22.	1. (a) Hertz 2.(d) Unpleasant sounds are called noise 3.(a) between 20 and 20,000 Hz 4. (a) baby girl 5.(c) both	1 1 1 1 1
23	1.wearing mask, social distancing	5

	2)lungs 3)runny nose, high fever, breathlessness 4)appropriate definition. 5)Dr. Edward Jenner 6) Covaxin And covishield	
END		