

**Apeejay School
Practice Paper
Class VIII**

TIME ALLOWED -15 MIN

MAXIMUM MARKS: 10

1. The fuel with highest calorific value is
 - a. kerosene
 - b. hydrogen
 - c. LPG
 - d. natural gas

2. A poor conductor of electricity is
 - a. copper
 - b. gold
 - c. pure water
 - d. distilled water

3. The boundaries of tectonic plates which are earthquake prone
 - a. epicentre
 - b. focus
 - c. crust
 - d. seismic zone

4. Stars appear to move in the direction from
 - a. north to south
 - b. west to east
 - c. east to west
 - d. south to north

5. Burning of fossil fuel does not release
 - a. carbon dioxide
 - b. nitrogen dioxide
 - c. chlorofluorocarbons
 - d. soot

6. After fertilization ovum implants itself in the
 - a. ovary
 - b. uterus wall
 - c. vagina
 - d. testes

7. Air in the path of lightning becomes

- a. slightly cold
- b. slightly hot
- c. enormously cold
- d. enormously hot

8. The control centre of the cell is

- a. cell membrane
- b. mitochondria
- c. chloroplast
- d. nucleus

9. The beautiful pattern that we obtain in the kaleidoscope is because of

- a. dispersion
- b. spectrum
- c. multiple reflection
- d. diffused reflection

10. The number of nuclei present in the zygote is

- a. four
- b. two
- c. one
- d. none

ROLLNO.	
NAME	
CLASS-SECTION	

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**CLASS – VIII
SCIENCE**

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**CLASS – VIII
SCIENCE**

TIME ALLOWED -2 HR 45 MIN

MAXIMUM MARKS: 80

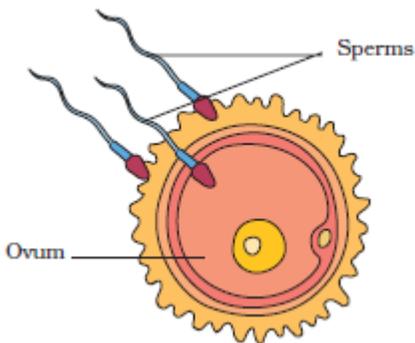
General Instructions:

1. Marks for each question are indicated against it.
2. Attempt all the questions in proper sequence
3. Draw neat diagrams wherever required.

1. Answer the following questions:

(1x10=10)

a.	Write any two physical properties of coke.	1
b.	What does PCRA stands for?	1
c.	Name two elements whose oxide cause acid rain.	1
d.	Write the term for components present in the cytoplasm.	1
e.	Mention A and B in the life cycle of silkworm: Egg → A → B → adult	1
f.	Name the endocrine gland attached to brain.	1
g.	What is the use of electroscope?	1
h.	Where is blind spot located?	1
i.	We never see the back side of the moon from the earth, why?	1
j.	Carbon monoxide is a poisonous gas, why?	1
2.	Name the petroleum constituent that is used	2
a(i)	As aviation fuel and	
(ii)	In electric generators	
b	How is coal gas obtained?	
3	Paper by itself catches fire easily whereas a piece of paper wrapped around an aluminium pipe does not, why?	2
4	Draw a well labeled diagram of human cheek cell.	2

5	State any two differences between animal and plant cells.	2
6	Mention any one difference between : a oviparous and viviparous animals b zygote and foetus	2
7	What is the importance of thyroxine in life cycle of frogs?	2
8	Draw a well labeled diagram to show the structure of the earth.	2
9	What are fault zones?	2
10	Sometimes, particularly in old age, eyesight becomes foggy. a Why does it happen? b Name the disease the person is suffering from.	2
11	Draw sketches to show the relative positions of stars in orion.	2
12	Mention any three uses of CNG.	3
13	Distinguish between exhaustible and inexhaustible natural resources with an example each.	3
14	A candle is lighted on a table and a glass chimney is put over it. Explain your observation in the following case. 	3
15	Why do fish and frogs lay eggs in hundreds?	3
16	 a Identify the cells shown in the figure above. b Name the process. c In which part of the body does this process takes place?	3
17	Define the following terms: a Target site b Menarche c Adam's apple	1 x 3
18.a	What is Richter Scale?	1 x 3
b	Define earthing.	
c	How is an electric discharge produced?	
19	Differentiate between regular and diffused reflection with the help of diagrams.	3

20.	A ray of light strikes a plane mirror. Trace the path of ray after reflection and label the following in the ray diagram.	3
a	Incident ray	
b	Reflected ray	
c	Angle of reflection	
d	Angle of incidence	
21	Give reasons:	1 x 3
a	Venus is called as evening star.	
b	The earth appears blue-green from space.	
c	It is difficult to observe Mercury.	
22.a	Give reasons:	5
i	Kerosene oil produces flame whereas coal does not.	1
ii	Goldsmiths use outermost zone of a flame for melting gold.	1
iii	Water is not used to control fires involving electrical equipment.	1
b	Calculate calorific value of fuel if 7200 g of fuel is burnt completely to produce 32400 kJ of heat.	2
23.a	Where are chromosomes found in a cell?	1x5
b	Name the living substance in the cell.	
c	Name the units of inheritance present on the chromosomes.	
d	What separates the contents of the cell from the surrounding medium?	
e	By what name is empty structure in the cytoplasm called as?	
24.a	Name the male hormone. When is it released in the body?	5
b	Gland A could not produce B in sufficient amount so the person suffers from diabetes. Name A and B.	
c	Name the types of sex chromosome present in male.	
d	Mention any two ways by which HIV can spread.	
25.a	How are CFC's released in the atmosphere? What harms do these cause?	2+3
b	Mention any three ways by which carbon dioxide is released in the atmosphere.	