



GIRLS CADET COLLEGE MARDAN
ENTRY TEST 8th CLASS MODEL PAPER- GENERAL SCIENCE

Time: 1 Hour

Marks: 50

Note: Attempt all the questions.

Choose the most appropriate answer:

(10 marks)

i. Which of the changes occurs in respiratory system. While inhaling

- | | |
|--|---|
| a) Diaphragm contracts and rib cage upward | c) Diaphragm contracts and rib cage raised. |
| b) Diaphragm contracts and rib cage upward | d) Diaphragm relaxed and rib cage downward. |

ii. Male gamete of plant are found in.

- | | |
|-----------------|-----------|
| a) Stigma | c) Anther |
| b) Pollen grain | d) Ovule |

iii. Distillation is a technique of

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|---------------|-----------------|
| a) Separation | c) Preparation |
| b) Filtration | d) Disinfection |

iv. Polythene is a

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|------------|---------------|
| a) Monomer | c) Polymer |
| b) Element | d) Fertilizer |

v. All of the following are chemical changes except:

- | | |
|--------------------------|---------------------|
| a) Cutting of wooden log | c) Burning of paper |
| b) Ripening of fruit | d) Cooking of food |

vi. The heat in the metal rod flows by the process of

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|---------------|------------------|
| a) Conduction | c) Radiation |
| b) Convention | d) Magnetization |

vii. In desert, mirage is seen due to which phenomenon.

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|---------------|------------------------------|
| a) Refraction | c) Total Internal Reflection |
| b) Reflection | d) Diffraction |

viii. Which cell in blood can pass through the capillary wall and protect from diseases.

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|-----------------|---------------|
| a) Thrombocytes | c) Leucocytes |
| b) Erythrocytes | d) Pinocytes |

ix. Proton and neutron resides.

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|-----------------|-----------------------|
| a) In the orbit | c) Inside the nucleus |
| b) In the shell | d) In the subshell |

x. The maximum displacement of the particle of the medium from their original undisturbed position is called.

- a) Pitch
b) Frequency
c) Time Period
d) Amplitude

Mark as true/false.

(5 marks)

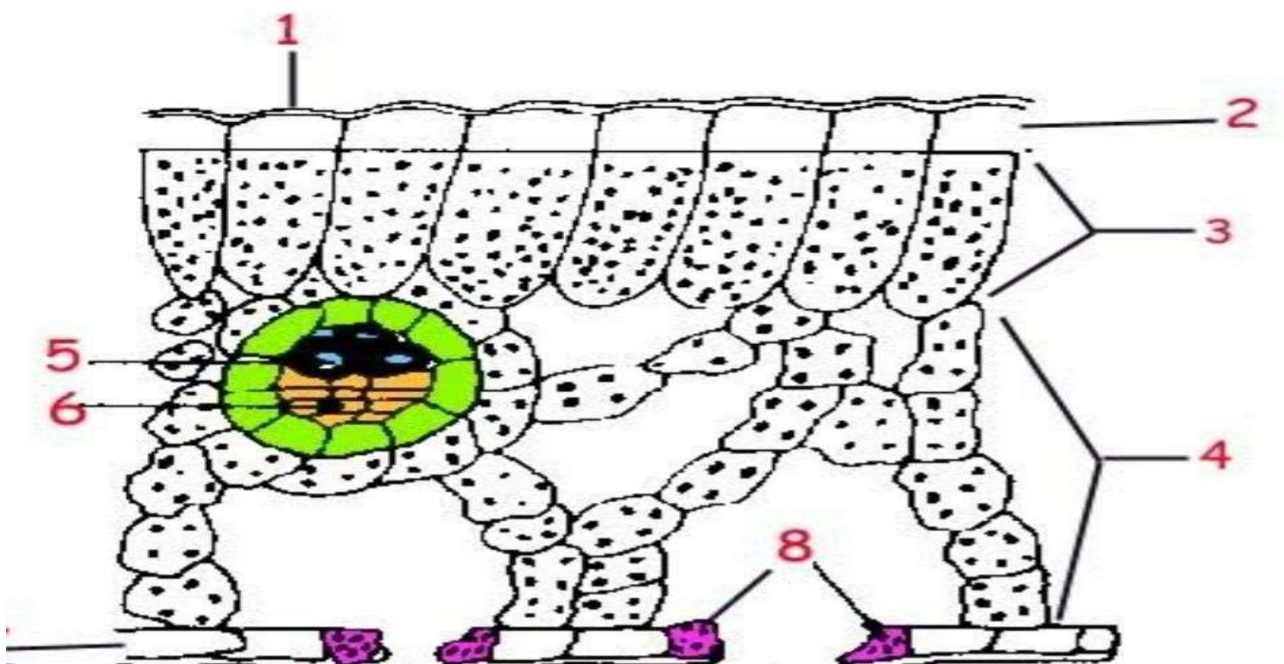
- i. Pulmonary vein has deoxygenated blood.
- ii. Sexual reproduction rapidly increased number.
- iii. Helium is a reactive gas.
- iv. Force can be measured by thermometer.
- v. A pencil partly immersed in water appears to be bent due to reflection of light.

Fill in the blanks:

(5 marks)

- i. Cactus grows above the soil and produces _____
- ii. Desert grassland is the example of _____
- iii. The _____ form/state of water is known as water vapour's.
- iv. Energy of matter in motion is called _____
- v. The force of attraction between any two object is called _____

Q4. Identify and labelled the diagram. (1+5 marks)



Q5. Write answers to the following questions. Each question carries 5 marks.

- i. Protons and electrons are responsible for the most of atomic mass. Justify the statement?

- ii. Complete the following table:

S. no	Name of element	Atomic mass
1.	Aluminium	
2.		14
3.	Neon	
4.	Carbon	
5.	Nitric acid	

- iii. How is respiration a chemical process not physical phenomenon?

- Iv. Find the numbers of neutrons in the fluorine and phosphorus?

V. Define radiations and write its importance on our daily life?
