

## CGCUET Medical Sample Paper

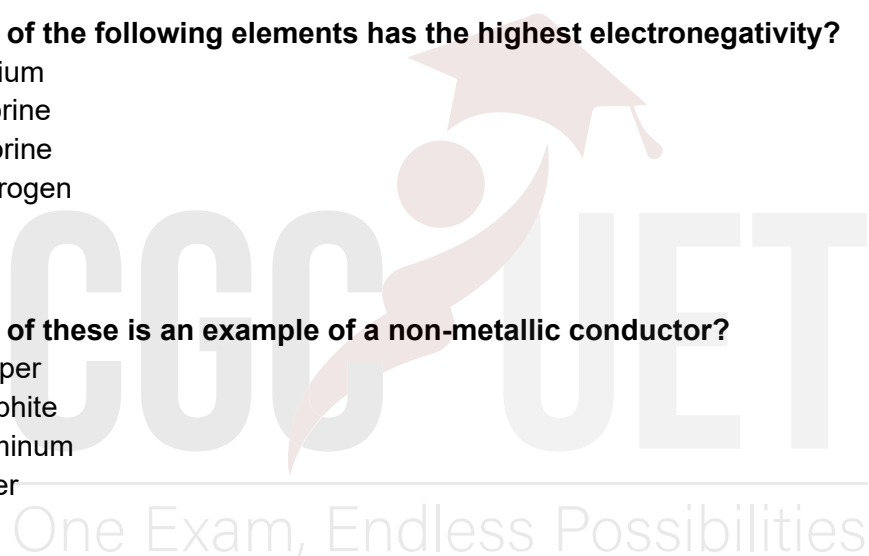
**Duration: 50 mins**

**Marking Scheme: +1 for each correct answer, No Negative Marking**

### **Section B: Physics & Chemistry (13 Questions)**

- 1. What is the SI unit of power?**
  - a) Joule
  - b) Watt
  - c) Newton
  - d) Volt
- 2. Which of the following is a vector quantity?**
  - a) Speed
  - b) Work
  - c) Force
  - d) Energy
- 3. What happens to the resistance of a conductor when its length is doubled?**
  - a) Doubles
  - b) Halves
  - c) Remains the same
  - d) Becomes zero
- 4. Which gas is evolved during the reaction between zinc and dilute sulfuric acid?**
  - a) Oxygen
  - b) Hydrogen
  - c) Carbon dioxide
  - d) Nitrogen

5. **What is the chemical formula of quicklime?**
- a) CaO
  - b) Ca(OH)<sub>2</sub>
  - c) CaCO<sub>3</sub>
  - d) CaCl<sub>2</sub>
6. **What is the process by which heat is transferred in liquids and gases?**
- a) Conduction
  - b) Convection
  - c) Radiation
  - d) Absorption
7. **Which of the following elements has the highest electronegativity?**
- a) Sodium
  - b) Fluorine
  - c) Chlorine
  - d) Hydrogen
8. **Which of these is an example of a non-metallic conductor?**
- a) Copper
  - b) Graphite
  - c) Aluminum
  - d) Silver
9. **What is the work done when a force of 10 N moves an object 5 m in the direction of the force?**
- a) 2 J
  - b) 50 J
  - c) 5 J
  - d) 500 J
10. **Which acid is used in car batteries?**
- a) Nitric acid
  - b) Sulfuric acid
  - c) Hydrochloric acid
  - d) Acetic acid



11. **Which physical state is highly compressible?**

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

12. **What is the pH of a neutral solution?**

- a) 1
- b) 7
- c) 14
- d) 10

13. **Which type of mirror is used in vehicle headlights?**

- a) Plane mirror
- b) Convex mirror
- c) Concave mirror
- d) Cylindrical mirror

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## **Section B: Biology (12 Questions)**

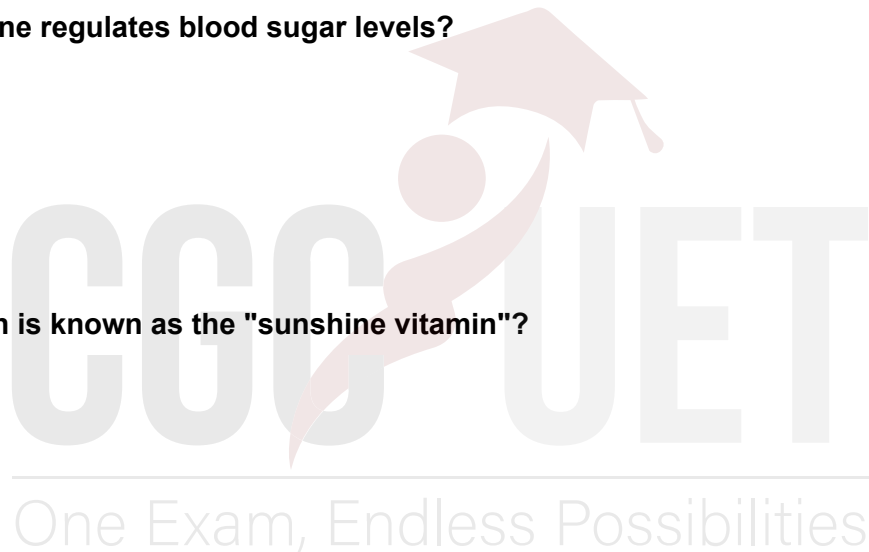
1. **Which part of the cell is responsible for energy production?**

- a) Nucleus
- b) Ribosome
- c) Mitochondria
- d) Golgi apparatus

2. **What is the functional unit of the kidney?**

- a) Nephron
- b) Glomerulus
- c) Ureter
- d) Urethra

3. **Which pigment is responsible for photosynthesis in plants?**  
a) Chlorophyll  
b) Hemoglobin  
c) Melanin  
d) Keratin
4. **Which blood group is known as the universal donor?**  
a) A  
b) B  
c) AB  
d) O
5. **Which hormone regulates blood sugar levels?**  
a) Thyroxine  
b) Insulin  
c) Adrenaline  
d) Estrogen
6. **Which vitamin is known as the "sunshine vitamin"?**  
a) Vitamin A  
b) Vitamin B  
c) Vitamin C  
d) Vitamin D
7. **Which is the largest organ in the human body?**  
a) Heart  
b) Liver  
c) Skin  
d) Brain
8. **What is the structural and functional unit of the nervous system?**  
a) Axon  
b) Neuron  
c) Synapse  
d) Dendrite



9. **Which organism is responsible for causing malaria?**

- a) Virus
- b) Bacteria
- c) Protozoa
- d) Fungi

10. **Which of the following is an example of a connective tissue?**

- a) Blood
- b) Muscle
- c) Skin
- d) Nerve

11. **What is the term for animals that give birth to young ones?**

- a) Oviparous
- b) Viviparous
- c) Amphibians
- d) Reptiles

12. **Which part of the plant is responsible for water transport?**

- a) Phloem
- b) Xylem
- c) Chloroplast
- d) Root cap

