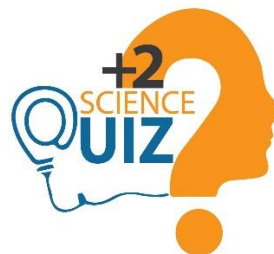


+2 SCIENCE QUIZ MODEL QUESTIONS



MCQ ROUND

1. What does rate constant only depend on?

- a. Pressure
- b. Temperature
- c. concentration
- d. time
- e. volume

Ans: b. Temperature

2. What is the largest bone in a human skull?

- a. Mandible
- b. Hyoid bone
- c. frontal bone
- d. clavicle
- e. atlas

Ans: a. Mandible

3. If the spinning speed of the earth is increased, then the weight of body at the equator will.....?

- a. increases
- b. decreases
- c. same
- d. double
- e. tripled

Ans: b. decreases

4. If the time is 12 p.m., how many hours is it until 6 p.m.?

- a. 10 hours
- b. 6 hours
- c. 18 hours
- d. 16 hours
- e. 9 hours

Ans: c.18 hours

CHEMISTRY ROUND

1. When you add a few drops of phenolphthalein in basic solution, what will be the color of solution?

Ans: Pink

2. What is the electronic configuration of copper?

Ans: $1s^2 2s^2 2p^6 3s^2 3p^6 4s^1 3d^{10}$

3. Which aromatic compound is formed by the reduction of phenol in presence of zinc dust?

Ans: Benzene

4. What are the two monomers of Bakelite?

Ans: Phenol and formaldehyde

BIOLOGY ROUND

1. What is the study of kidney called?

Ans: Nephrology

2. What is the phenomenon of muscle contradictions that move food through the digestive tract?

Ans: Peristalsis

3. What is the scientific name of onion?

Ans: *Allium cepa*

4. In which family does potato belong to?

Ans: Solanaceae

PHYSICS ROUND

1. Who presented the theory of relativity?

Ans: Albert Einstein

2. The dimension of the ratio of electric flux to the magnetic flux is equal to the dimension of?

Ans: Velocity

3. Who is the writer of the book "A Brief History of Time"?

Ans: Stephen Hawking

4. What is the power of the machine if 350 joule of work is done in 5 seconds?

Ans: 70 Watt

MATHEMATICS ROUND

1. What is the integration of $\log x$?

Ans: $x \log x - x + c$

2. What is the value of $\sin \left\{ \frac{\pi}{2} - \sin^{-1} \left(-\frac{\sqrt{3}}{2} \right) \right\}$?

Ans: $\frac{1}{2}$

3. What is the sum of the series $\frac{2}{3!} + \frac{4}{5!} + \frac{5}{7!} + \dots$ to ∞ ?

Ans: e^{-1}

4. If $|\vec{a}| = 2$, $|\vec{b}| = 3$, and $|\vec{a} \times \vec{b}| = 5$, then What is the value of $(\vec{a} \cdot \vec{b})$?

Ans: $\sqrt{11}$

RAPIDFIRE ROUND

1 Who proposed Big Bang Theory?

Ans: Scientist Abbe Lamaitre

2 What do you call undifferentiated calyx and corolla?

Ans: Perianth

3 Which acid is found in apples?

Ans: Malic Acid

4 What is the SI unit of torque?

Ans: Newton Meter

5 What is the sum of all angles of pentagon?

Ans: 540°