

Top 20 General Science MCQs for Maharashtra, SSC and Railway 10 May 2024

1. What is the largest phylum of the animal kingdom, constituting around 2/3rd of all named species on Earth?
[A] Mollusca
[B] Chordata
[C] Arthropoda
[D] Annelida
Correct Answer: [C] Arthropoda
2. Which phylum includes organisms such as ants, mosquitoes, flies, cockroaches, shrimp, crabs, spiders, and scorpions?
[A] Mollusca
[B] Chordata
[C] Arthropoda
[D] Annelida
Correct Answer: [C] Arthropoda
3. Leishmaniasis is a disease caused by protozoan parasites transmitted by the bite of certain species of which insect?
[A] Mosquito
[B] Sand fly
[C] Bee
[D] None of the above
Correct Answer: [B] Sand fly
4. Which constituents are found in polysaccharides, proteins, and nucleic acids, respectively?
[A] Sugar, Fats, Nucleotides
[B] Carbohydrates, Proteins, Fats
[C] Sugar, Amino Acids, Nucleotides
[D] None of the above
Correct Answer: [C] Sugar, Amino Acids, Nucleotides
5. Which organisms are called scavengers of ecosystems?
[A] Bacteria
[B] Fungi & Bacteria
[C] Algae, Fungi & Bacteria
[D] None of the above
Correct Answer: [B] Fungi & Bacteria
6. What is the process by which fungi and bacteria break down dead organic material in ecosystems?
[A] Photosynthesis
[B] Decomposition
[C] Fermentation
[D] Transpiration
Correct Answer: [B] Decomposition
7. What is the main role of scavengers in ecosystems?
[A] Produce oxygen
[B] Decompose dead organic material
[C] Produce energy through photosynthesis
[D] Fix nitrogen
Correct Answer: [B] Decompose dead organic material

8. Which class of organisms includes mosquitoes, cockroaches, ants, flies, bees, moths, grasshoppers, beetles, and butterflies?
[A] Insects
[B] Crustaceans
[C] Arachnids
[D] None of the above
Correct Answer: [A] Insects
9. What are the main constituents of nucleic acids?
[A] Sugar, Amino Acids, Nucleotides
[B] Polysaccharides, Proteins, Nucleic Acids
[C] Nucleotides, Proteins, Polysaccharides
[D] None of the above
Correct Answer: [A] Sugar, Amino Acids, Nucleotides
10. Which organisms are responsible for breaking down the bodies of dead animals in ecosystems?
[A] Carnivores
[B] Herbivores
[C] Scavengers
[D] Omnivores
Correct Answer: [C] Scavengers
11. What is the name of the disease caused by protozoan parasites transmitted by sandflies?
[A] Malaria
[B] Leishmaniasis
[C] Dengue
[D] Chikungunya
Correct Answer: [B] Leishmaniasis
12. Which class of organisms includes crabs, lobsters, shrimp, and barnacles?
[A] Insects
[B] Crustaceans
[C] Arachnids
[D] None of the above
Correct Answer: [B] Crustaceans
13. What phenomenon occurs when two mercury drops are brought into contact?
[A] Formation of maximum volume
[B] Formation of maximum surface area
[C] Formation of a single bigger drop with minimum surface area
[D] Formation of multiple smaller drops
Correct Answer: [C] Formation of a single bigger drop with minimum surface area
14. What defines gravitational mass?
[A] Ratio of weight of a body and acceleration due to gravity
[B] Ratio of acceleration due to gravity and weight of a body
[C] Matter contained in a body
[D] None of the above
Correct Answer: [A] Ratio of weight of a body and acceleration due to gravity
15. What property of mercury causes two drops to merge into a single drop with minimum surface area?
[A] High density
[B] Low viscosity
[C] High surface tension

[D] Low volatility

Correct Answer: [C] High surface tension

16. What is the measure of a liquid's elasticity due to cohesive forces between its molecules?

[A] Density

[B] Viscosity

[C] Surface tension

[D] Volatility

Correct Answer: [C] Surface tension

17. What is the gravitational mass of a body?

[A] The mass of the body measured by its gravitational attraction for other bodies

[B] The mass of the body measured by its weight

[C] The ratio of weight of a body and its volume

[D] The ratio of weight of a body and its density

Correct Answer: [A] The mass of the body measured by its gravitational attraction for other bodies

18. What is the term for waves that are also known as compression-dilation waves or longitudinal waves?

[A] Primary waves

[B] Secondary waves

[C] Love waves

[D] Rayleigh waves

Correct Answer: [A] Primary waves

19. What is a displacement reaction primarily used for in thermite welding?

[A] Extraction of metals

[B] Acid indigestion

[C] Steel making

[D] Joining metals, specifically aluminium and iron

Correct Answer: [D] Joining metals, specifically aluminium and iron

20. In a displacement reaction, what is displaced from its compound by another atom or a set of atoms?

[A] Electrons

[B] Protons

[C] Atoms

[D] Neutrons

Correct Answer: [C] Atoms