

LIVE  SESSION



*Concept Through Questions*

# CTQ'S Series

**RRB JE-2024** **CBT-1**

**BIOLOGY AND LIFE SCIENCE**

**Lecture - 3**



Sajid Sir

**MADE EASY Faculty**

**Q1. Which one of the following helps in the protein synthesis in cell-**

- (a) Golgi Apparatus**
- (b) Ribosomes**
- (c) Lysosomes**
- (d) Nucleus**



**Q2. Which food gives energy instantly-**

- (a) Food rich in carbohydrates**
- (b) Food rich in fate**
- (c) Food rich in vitamins**
- (d) Food rich in proteins**

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**Q3. The ratio of large and small intestine in human is-**

- (a) 1:2**
- (b) 5:1**
- (c) 6:7**
- (d) 1:5**



**Q4. Vaccination was started by-**

- (a) Jonas E. Salk**
- (b) Paul Muller**
- (c) Edward Jenner**
- (d) Robert Frost**

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**Q5. Largest muscle of our body is-**

- (a) Sartorius**
- (b) Glutious maximus**
- (c) Temporalis**
- (d) Adductor Longus**



**Q6. Which vitamin is needed to prevent Xerophthalmia-**

- (a) A**
- (b) B**
- (d) C**
- (d) D**



**Q7. Which hormone control blood pressure-**

- (a) Adrenaline**
- (b) Testosterones**
- (c) Estrogen**
- (d) Oxytocin**





**Q8. Chlorophyll is a naturally occurring chelate compound in which central metal is-**

- (a) Copper**
- (b) Magnesium**
- (c) Iron**
- (d) Calcium**



**Q9. Oncology is the study of-**

- (a) Birds**
- (b) Cancer**
- (c) Mammals**
- (d) Soil**



**Q10. Which of the following is a polysaccharide-**

- (a) Cellulose**
- (b) Sucrose**
- (c) Galactose**
- (d) Maltose**



**Q11. Plants lose water through the stomata by the process of-**

- (a) Respiration**
- (b) Evaporation**
- (c) Transpiration**
- (d) Photosynthesis**



**Q12. Protein of egg is called-**

- (a) Casein**
- (b) Actin**
- (c) Myosin**
- (d) Albumin**



**Q13. Deficiency of proteins in our body causes-**

- (a) Beri-Beri**
- (b) Rickets**
- (c) Kwashiorkor**
- (d) Scurvy**



**Q14. Which enzyme is found in the pancreatic juice responsible for the digestion of proteins-**

- (a) Trypsin**
- (b) Pepsin**
- (c) Amylase**
- (d) Ptylin**

A large, semi-transparent watermark of the 'MADE EASY' logo is centered on the page. It features the same stylized 'NE' symbol and the text 'MADE EASY' in a light gray color.

**Q15. Name the thinnest bone of human body-**

- (a) Stapes**
- (b) Malleus**
- (c) Incus**
- (d) Fibula**





**Q16. Name the smallest muscle-**

- (a) Glutious maximus**
- (b) Antagonistic**
- (c) Stapedius**
- (d) None of the above**



**Q17. The total number of facial bones is-**

- (a) 12**
- (b) 16**
- (c) 14**
- (d) 18**



**Q18. Which bone is called beauty bone-**

- (a) Clavicle**
- (b) Tibia**
- (c) Patella**
- (d) Hyoid body**



**Q19. The membrane that surrounds the bone is known as-**

- (a) Pericardium**
- (b) Periosteum**
- (c) Perichondrium**
- (d) Endosteum**



**Q20. Somatostatin hormone is secreted by-**

- (a) Pituitary gland**
- (b) Adrenaline gland**
- (c) Pancreas gland**
- (d) Ovary**



**Q21. Which of the following diseases is caused by virus-**

- (a) Typhoid**
- (b) Tuberculosis**
- (c) Malaria**
- (d) Small pox**



**Q22. Pneumonia is an infection of-**

- (a) nerve**
- (b) blood**
- (c) skin**
- (d) lungs**



**Q23. A Universal blood donor has blood type-**

- (a) O+**
- (b) O -**
- (c) B+**
- (d) AB+**





**Q24. Plague is caused by the bacterium-**

- (a) Yersiniapseudotuberculosis**
- (b) Yersinia pestis**
- (c) Yersinia enterocolitica**
- (d) None of the above**

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**Q25. Which is the largest human cell-**

- (a) Liver**
- (b) Skin**
- (c) Spleen**
- (d) Ovum**



**Q26. Which of the following carries impure blood-**

- (a) Pulmonary artery**
- (b) Pulmonary vein**
- (c) Alveoli**
- (d) Aorta**





**Q27. Who had performed the world's first heart transplant-**

- (a) Dr. Venugopal**
- (b) William Harvey**
- (c) Christian Bernard**
- (d) None of the above**



**Q28. Where does the light reaction takes place-**

- (a) Grana**
- (b) Stroma**
- (c) Cytoplasm**
- (d) Endoplasmic reticulum**



**Q29. Regulation centre of swallowing and vomiting in human brain is-**

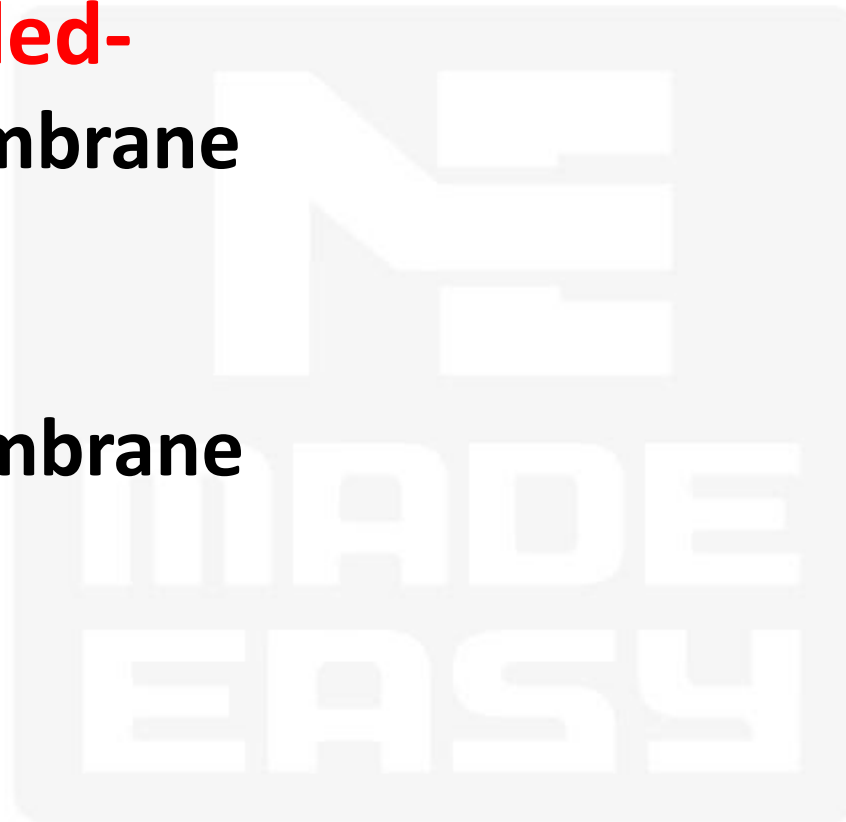
- (a) cerebellum**
- (b) cerebrum**
- (c) medulla oblongata**
- (d) pons**





**Q30. Vacuole are bound by a definite membrane in plant cells called-**

- (a) Plasma membrane**
- (b) Tonoplast**
- (c) Cell wall**
- (d) Plasma membrane**



**Q31. Consider the following**

**1. Water      2. CO<sub>2</sub>      3. Sunlight      4. Chloroplast**

**Out of the above elements, to be required to occur photosynthesis is/are**

- (a) 1, 2 and 3**
- (b) 2, 3 and 4**
- (c) 2 and 3 only**
- (d) All of them**



**Q32. The human saliva contains an enzyme called salivary \_\_\_\_\_ that breaks down starch, a complex molecule, into sugar-**

- (a) lipase**
- (b) amylase**
- (c) peptidase**
- (d) protease**

**Q33. At puberty testosterone in human beings is released by**

- (a) Testes**
- (b) Pituitary Gland**
- (c) Adrenal Gland**
- (d) Ovaries**



**Q34. Which of the following is the primary sex organ in females-**

- (a) Fallopian tube**
- (b) Ovary**
- (c) Uterus**
- (d) Vagina**





**Q35. Which cell organelle contains powerful digestive enzymes capable of breaking down all organic material-**

- (a) Plastids**
- (b) Vacuoles**
- (c) Golgi apparatus**
- (d) Lysosomes**

**Q36. Body temperature is regulated by-**

- (a) Thalamus**
- (b) Hypothalamus**
- (c) Cerebellum**
- (d) Medulla**



**Q37. Name the gland that controls the function of other endocrine glands-**

- (a) Pancreas**
- (b) Adrenal gland**
- (c) Renal gland**
- (d) Pituitary gland**

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**Q38. The suicidal bags of the cell are-**

- (a) Lysosomes**
- (b) Ribosomes**
- (c) Dictyosomes**
- (d) Phagosomes**



**Q39. Which of the following helps in the blood clotting?**

- (a) Vitamin A**
- (b) Vitamin D**
- (c) Vitamin K**
- (d) Folic acid**







**Q40. Methemoglobinemia (Blue Baby Syndrome) is caused by the drinking of water contaminated with-**

- (a) nitrate**
- (b) cadmium**
- (c) phosphate**
- (d) Cobalt**





**Q41. In human body, the digestion of protein begins in which of the following organs-**

- (a) Liver**
- (b) Mouth**
- (c) Small intestine**
- (d) Stomach**



**Q42. The biochemical laboratory of human body is-**

- (a) stomach**
- (b) liver**
- (c) intestine**
- (d) kidney**



**Q43. Human red blood cells at very high altitude-**

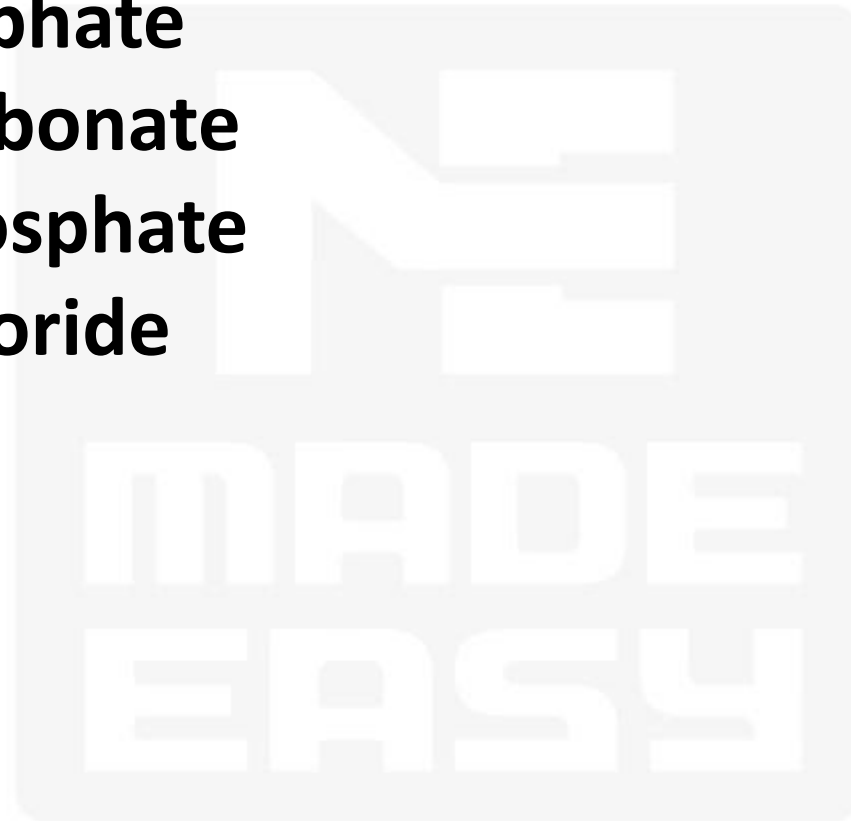
- (a) increases in size
- (b) increases in number
- (c) decreases in size
- (d) decreases in number





**Q44. Our bones are made up of-**

- (a) Calcium sulphate**
- (b) Calcium carbonate**
- (c) Calcium phosphate**
- (d) Calcium chloride**



**Q45. Penicillin antibiotic is obtained from-**

- (a) Algae**
- (b) Fungi**
- (c) Bacteria**
- (d) Blue-Green Algae**



## Q46. Match List I with List II

### List I

- A. Rhizopus
- B. Ustilago
- C. Puccinia
- D. Agaricus

### List II

- I. Mushroom
- II. Smut fungus
- III. Bread mould
- IV. Rust fungus

**Choose the correct answer from the options given below:**

- (a) A-III, B-II, C-IV, D-I
- (b) A-I, B-III, C-II, D-IV
- (c) A-III, B-II, C-I, D-IV
- (d) A-IV, B-III, C-II, D-I

**Q47. Spindle fibers attach to kinetochores of chromosomes during-**

- (a) Prophase**
- (b) Metaphase**
- (c) Anaphase**
- (d) Telophase**





**Q48. The capacity to generate a whole plant from any cell of the plant is called-**

- (a) Totipotency**
- (b) Micropropagation**
- (c) Differentiation**
- (d) Somatic hybridization**

**Q49. Which hormone control blood pressure-**

- (a) Adrenaline**
- (b) Testosterones**
- (c) Estrogen**
- (d) Oxytocin**



**Q50. How many salivary-glands are present in human body-**

- (a) 6**
- (b) 3**
- (c) 12**
- (d) 2**

