
SELECTION

1,What is the final electron acceptor in aerobic respiration?

- A, O₂
- B,Water
- C,Co₂
- D, plastocyanin

2,which of the following gives high energy in krebs cycle?

- A, NADH
- B,FADH
- C, Both A and B
- D, Substrate level phosphorylation

3,which one of the following is a result of hypokalemia(a decrease level of potassium in blood) ?

- A, Alkalosis
- B, Acidosis
- C, Salinity
- D, None

4, vitamin B12 is absorbed in

- A, jejunum
- B, Stomach
- C, ileum
- D, Large intestine

5 what is the last stage in development

- A, Spermatogenesis
- B, Fertilization
- C, Organogenesis
- D, placenta formation

6, why enzymes are specific?

7, What is the function of B lymphocytes?

8, what is the most abundant immunoglobulin ?

- A, IgG
- B, IgA
- C, IgE
- D, IgM

9, which disease can be reduced by having orange in a diet?

- A, Beriberi
- B, Scurvy
- C, Night blindness
- D, None

10, Eating which kind of foods can increase Vitamin A concentration in our body?

11, which kind of cells in our body can increase immune response?

12, subs preventing enzyme activity are called...?

13, what is the function of cell membrane ?

14, which one of the following disease is caused by protozoa?

A, Leishmaniasis

B, Diarrhea

C, Typhus

D, None

15, Malaria is caused by...?

A, Plasmodium

B, Female Anopheles Mosquito

C, Virus

D, Bacteria

16, Covid-19 is.....

A, virus

B, Bacterial

C, Protozoa

D, Fungus

17, what is the difference between cellulose and chitin ?

18, which one of the following is enzyme?

A, Cellulase

B, Cellulose

C, glucose

D, Sucrose.

19, polysaccharides in bacterial and fungal cells are called

A, Cellulose

B, Dexter

C, Murein

D, Chitin

20, Polysaccharides made from similar monomers are called

A, Heteroglycans

B, Polymers

C, Homoglycans

D, Macromolecules

21, what makes simple and facilitated diffusion similar?

22, what is the difference between desert and densely populated areas in amount of oxygen?

23, which person survive from hunger first if one eats carbohydrate and the other eats meat?

24, which enzyme is useful in reducing Nitrogen...?

25, what forms a buffer system?

26, what is the difference between pH and pOH?

27,what are natural polymers?

28,If a mother gives birth for four boys successively what is the probability to have a girl in the fifth birth?

A, 25%

B, 50%

C,75%

D,100%

29, which of the following blood group can possibly be the parents if one of their child has O blood group?

A, AO and BO

B, O and O

B, AB and BO

D, AB and AO

30, Which blood vessel has the highest pressure?

A, Venules

B, Vein cava

C, Arterioles

D, Aorta

31,what are capillaries?

32,Which enzymes can work best in acidic environment?

A, Salivary amylase

B, Trypsin

C, Pepsin

D, ptyaline

33, what do we call engulfing of solid foods by cells?

A, pinocytosis

B, Endocytosis

C, Phagocytosis

D, Exocytosis

34, The Limbs of Human being and whale are

A, Homologous

B, Analgous

C, No relationship

D, Similar

35, what is the graph of substrate concentration on enzyme activity?

A, Parabola

B, Hyperbola

C, Circle

D, Horizontal line

36, which one of the following factors doesn't affect enzyme activity?

A, Inhibitors

B, Temperature

C, pH

D, Amount of water

37, The living component of cell is called

A, Cytoplasm

B, Protoplasm

C, Cytosol

D, Nucleoplasm

E, Nucleus

38, what is the polymer of amino acids called?

39, which of the following shows the percent of water in body?

A, 50%

B, 90%

C, 60%

D, 15%

40, which one of the following disease is caused by Droplet infection?

A, HIV

B, Tryps

C, Flu

D, Typhus

41, what is caused by tsetse flies?

A, Trypanosomiasis

B, Leishmaniasis

C, Diarrhea

D, Amoeba

PHYSICS QUESTIONS

42, What is the nature of currents moving in parallel wires in opposite direction?

43, A ball thrown upwards with 20 m/s returns with 80 m/s what is the distance covered?

44, What are the properties of uniform circular motion?

The English section of the exam

The section had about 20 questions

1, Passage = 10 questions

2, Phrasal verb = 1 question (hand in)

3, subject verb agreement questions

(identifying the wrongly used words in the sentence)

4, Direct and indirect speech(2 questions)

5, conditional sentences(3 questions)

The MATHS SECTION

1, Mean, Median, Deciles, probability

2, Circle graph, pie chart

3, Aptitude IQ questions like reading from the diagram