**Q1- In which group of the organisms the food material is broken down outside the body ?**

A) Mushroom, green plants, amoeba

B) Yeast, mushroom, bread mould

C) Paramecium, amoeba, cuscuta

D) Cuscuta, lice, tapeworm

B

**Q2- Select the correct statement -**

A) Hetrotrophs make their food

B) Heterotrophs utilize solar energy to make food

C) Heterotrophs do not make their own food

D) Heterotrophs are capable of converting carbon dioxide and water into carbohydrates

C

**Q3- Which of the following statements about autotrophs is incorrect ?**

A) They synthesize carbohydrates by using carbon dioxide , water in presence of sunlight and chlorophyll

B) They store carbohydrates in form of starch

C) They convert carbon dioxide and water into carbohydrates in the absence of sunlight

D) They form the first trophic level in food chain

C

**Q4- Which of these reactions occur in photosynthesis?**

A) Carbon dioxide is reduced and water is oxidised

B) water is reduced and carbon dioxide is oxidised

C) carbon dioxide and water are oxidised

D) carbon dioxide and water are reduced

D

**Q5- A few drops of iodine solution were added to rice water. The solution turned blue black in colour. This indicates rice water has -**

A) complex proteins

B) simple proteins

C) starch

D) Fats

A

**Q6- Which is the correct sequence -**

A) mouth → stomach → small intestine → oesophagus → large intestine

B) mouth → oesophagus → stomach → large intestine → small intestine

C) mouth → stomach → oesophagus → small intestine → large intestine

D) mouth → oesophagus → stomach → small intestine → large intestine

D

**Q7- If salivary amylase is lacking in saliva, which of the event in mouth will be affected-**

A) Proteins breaking down into amino acids

B) starch breaking down into sugars

C) Fats breaking down into fatty acids and glycerol

D) Absorption of vitamins

**B**

**Q8- The inner lining of the stomach is protected by one of the following from hydrochloric acid. Choose the correct one -**

A) Mucus

B) Salivary amylase

C) Pepsin

D) Bile

**A**

**Q9- Which part of alimentary canal receives bile from liver -**

A) stomach

B) small intestine

C) large intestine

D) oesophagus

B

**Q10- In which part of alimentary canal food is finally digested ?**

A) large intestine

b) Stomach

C) Mouth cavity

D) small intestine

**D**

**Q11- Choose the function of pancreatic juice from following :**

A) Trypsin digests proteins and lipase digests carbohydrates

B) Trypsin digests emulsified fats and lipase digests proteins

C) Trypsin and lipase digest fats

D) Trypsin digests proteins and lipase digests emulsified fats

**B**

**Q12- The correct sequence of anaerobic respiration -**

A) Glucose → pyruvate → lactic acid

B) glucose → pyruvate → carbondioxide + ethanol

C) glucose → pyruvate → ADP→ lactic acid

D) glucose -→ pyruvate → carbondioxide + ethanol + energy

**D**

**Q13- The pancreatic juice doesn't contain following enzymes-**

A) Trypsin

B) Amylase

C) Lipase

D) Ptyalin

**D**

**Q14- The pancreas pour their secretion into \_\_\_.**

A) Small intestine

B) large intestine

C) stomach

D) Duodenum

**D**

**Q15- The kidneys in human beings are part of \_\_\_\_\_\_.**

A) Nutrition

B) Respiration

C) Excretion

D) Circulation

D

**Q16- The opening and closing of stomatal pore depends upon \_\_\_.**

A) Oxygen

B) water in guard cells

C) concentration of carbon dioxide in stomata

D) temperature

**D**

**Q17- In the human digestion system the enzymes pepsin and trypsin are secreted by ?**

A) Pancreas and liver

B) pancreas and gall bladder

C) stomach and pancreas

D) stomach and salivary glands

**C**

**Q18- Which of the statements is correct regarding bile?**

A) secreted by duct and stored in liver

B) secreted by liver and stored in bile duct

C) secreted by liver and stored in gall bladder

D) secreted by gall bladder and stored in liver

**B**

**Q19- Which of the following components of food is digested by s. amylase?**

A) proteins

B) fats

C) Minerals

D) carbohydrates

**C**

**Q20- Where are proteins first digested?**

A) small intestine

B) stomach

C) large intestine

D) mouth

**C**

**Q21- Which is the first enzyme that mixes with food?**

A) s.amylase

B) trypsin

C) erepsin

D) gastric juice

**A**

**Q22- The cellular energy reserves in autotrophs are\_\_\_\_.**

A) glycogen

B) starch

C) protein

D) fatty acids

**A**

**Q23- The autotrophs require \_\_\_\_.**

A) CO2 and water

B) chlorophyll

C) sunlight

D) All

**D**

**Q24- The breakdown of pyruvate into carbon dioxide, energy and water takes place in \_\_\_\_\_.**

A) mitochondria

B) cytoplasm

C) Endoplasmic reticulum

D) ribosomes

**A**

**Q25- When air is blown through lime water it turns milky because of \_\_\_\_\_\_.**

A) water

B) carbon dioxide

C) limestone

D) calcium oxide

**B**

**Q26- Write the correct sequence of air passage involved in inhalation?**

A) larynx→ Nostrils → Pharynx → lungs

B) nostrils→ Pharynx→ larynx→ Trachea → alveoli

C) nasal passage → larynx → Trachea → Pharynx→ Alveoli

D) None

**B**

**Q27- During respiration exchange of gases takes place in \_\_\_\_\_.**

A) Trachea and larynx

B) alveoli of lungs

C) Alveoli and throat

D) Throat and larynx

**B**

**Q28- What prevents back flow of blood during contraction?**

A) Valves in heart

B) Thick muscular walls of ventricles

C) Thin walls of atria

D) All

**A**

**Q29- The correct path of urine is \_\_.**

A) Kidney→ ureter → urthra→ urinary bladder

B) Kidney → urinary bladder → urethra → ureter

C) kidney→ ureter → urinary bladder→ urethra

D) urinary bladder → kidney → ureter →urethra

**B**

**Q30- During deficiency of oxygen in tissues of humans, pyruvic acid is converted into lactic acid in\_\_\_\_.**

A) Cytoplasm

B) chloroplast

C) mitochondria

D) golgi body

A

**Q31- Xylem helps in \_\_\_.**

A) transportation of water

B) translocation of food

C) both a and b

D) transportation of water and minerals

**D**

**Q32- What is the approximate length of an alimentary canal?**

A) 3m

B) 4m

C) 5m

D) 4.5-5 m

**D**

**Q33- Which organelle is called power house of cell?**

A) Mitochondria

B) golgi body

C) ribosomes

D) none

**A**

**Q34- Which respiration is much efficient?**

A) aerobic

B) anaerobic

C) both are equal

D) none

**A**

**Q35- Write full form of ATP.**

A) adenosine diphosphate

B) adenosine phosphate

C) adenosine triphosphate

D) none

**C**

**Q36- Which of the following statement(s) is (are) true about respiration?**

A) During inhalation, ribs move inward and diaphragm is raised

B) In the alveoli, exchange of gases takes place i.e., oxygen from alveolar air diffuses

C) into blood and carbon dioxide from blood into alveolar air sacs

D) Haemoglobin has greater affinity for carbon dioxide than oxygen Alveoli does not help in increasing surface area for exchange of gases

**B**

**Q37- During respiration exchange of gases takes place in\_\_\_.**

A) Trachea and larynx

B) Alveoli of lungs

C) Alveoli and throat

D) Throat and larynx

**B**

**Q38- Which of the following statement (s) is (are) true about heart?**

A) Left atrium receives oxygenated blood from different parts of body while right atrium

B) receives deoxygenated blood from lungs

C) Left ventricle pumps oxygenated blood to different body parts while right ventricle pumps deoxygenated blood to lungs

D) Left atrium transfers oxygenated blood to the right ventricle which sends it to different body parts Right atrium receives oxygenated blood from different parts of the body while left ventricle pumps oxygenated blood to different parts of the body.

**A**

**Q39- Single circulation i.e., blood flows through the heart only once during one cycle of passage through the body, is exhibited by\_\_\_\_.**

A) Labeo, Chameleon, Salamander

B) Hippocampus, Exocoetus, Anabas

C) Hyla, Rana, Draco

D) Whale, Dolphin, Turtle

**B**

**Q40- Choose the correct statement that describes arteries:**

A) They have thick elastic walls, blood flows under high pressure; collect blood from different organs and bring it back to the heart

B) They have thin walls with valves inside, blood flows under low pressure and carry blood away from the heart to various organs of the body

C) They have thick elastic walls, blood flows under low pressure; carry blood from the heart to various organs of the body

D) They have thick elastic walls without valves inside. The Blood flows under high pressure and carry blood away from the heart to different parts of the body

**D**

**Q41- The filtration units of the kidney are called \_\_\_.**

A) urethra

B) ureter

C) Neuron

D) nephron

**D**

**Q42- Oxygen released during photosynthesis comes from\_\_\_\_\_.**

A) water

B) Chlorophyll

C) carbon dioxide

D) glucose

**C**

**Q43- The blood leaving the tissues becomes rich in \_\_\_\_\_.**

A) Haemoglobin

B) carbon dioxide

C) water

D) oxygen

**B**

**Q44- Which of the following is incorrect statement:**

A) organism grow with time

B) Organisms must repair and maintain their structure

C) Movement of molecules does not take place among cells

D) Energy is essential for life processes

C

**Q45- The internal (cellular) energy reservoir in autotrophs is:**

A) glycogen

B) protein

C) starch

D) fatty acid

**C**

**Q46- Choose the event that does not occur in photosynthesis?**

A) Absorption of light energy by chlorophyll

B) Reduction of carbon dioxide to carbohydrates

C) Oxidation of carbon to carbon dioxide

D) Conversion of light energy to chemical energy

**C**

**Q47- Choose the form in which most of the plants absorb nitrogen from the atmosphere ?**

A) proteins

B) nitrates and nitrites

C) atmospheric nitrogen

D) amino acids

**B**

**Q48- Which process converts light energy to chemical energy ?**

A) Respiration

B) photosynthesis

C) transpiration

D) transportation of water and minerals

**B**

**Q49- Which of these is the simplest form of food ?**

A) rice

B) wheat

C) Butter

D) Glucose

**D**

**Q50- Which out of them is raw material for photosynthesis ?**

A) carbon dioxide

B) water

C) oxygen

D) all

D

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q. No.** | **Ans.** | **Q. No.** | **Ans.** | **Q. No.** | **Ans.** | **Q. No.** | **Ans.** | **Q. No.** | **Ans.** |
| **1** | B | **11** | B | **21** | A | **31** | D | **41** | D |
| **2** | C | **12** | D | **22** | A | **32** | D | **42** | C |
| **3** | C | **13** | D | **23** | D | **33** | A | **43** | B |
| **4** | D | **14** | D | **24** | A | **34** | A | **44** | C |
| **5** | A | **15** | D | **25** | B | **35** | C | **45** | C |
| **6** | D | **16** | D | **26** | B | **36** | B | **46** | C |
| **7** | B | **17** | C | **27** | B | **37** | B | **47** | B |
| **8** | A | **18** | B | **28** | A | **38** | A | **48** | B |
| **9** | B | **19** | C | **29** | B | **39** | B | **49** | D |
| **10** | D | **20** | C | **30** | A | **40** | D | **50** | D |