

2S Kober of major layer/layers of cell wall in ram positive bacteria s/are:

| >}

B 2 it

Q16, Cyclosis and amoeboid movements are due to:

A, Microtubule C, Microfilaments

B. Cilia/Internodal filaments

Q17, Proteins and lipids are modified into Glycoproteins & Glycolipids by which cell organelle?

A. Golgi complex C, Smooth Endoplasmic Reticulum

B, Rough Endoplasmic Reticulum D, Ribosomes & chromosomes

Q18, Which structure of prokaryotic cell will play the role of mitochondrion?

NM Spores C, Nucleoid

B, Cyst D, Mesosomes

Q19, Cell wall of prokaryotic cell is composed of

A. Carbohydrates C, Proteins

Carbohydrates & Proteins D. Proteins & Lipids

Q20, Mitosis, a type of cell division is observed in?

A. E. coli C. Blue green algae

G Nostoc D, Cyanobacteria

Q21, Cells of different types can be distinguished on the basis of surface:

A. Phospholipids & Glycolipids and glycoproteins

B. Globular proteins D. Cholesterol

Q22, The pressure receptors that receive deep pressure stimulus in human body are called;

A. Meissner Corpuscles C. Red Blood Corpuscles

B/ Pacinian Corpuscles D. White Blood Corpuscles

chemicals are ?

Synaptic knob of synapse, Neurotransmitters

B. Reflex actions D, Acetylcholinesterase

Q23, The chemical messengers that transmit action / the synapse in the form of

N

Q24, The value of active membrane potential of the neuron is an

A. 0.01 Vols ae ie a)

C. Both of these surfaces are equally positive

eN0 a D. Both of these surfaces are equally negative

B, 0.02 Volts oi

(25, Dyring resting membrane ini

Outer surface of neuron vA | | it

B. Inner surface of ii

us? a typical nerve, the action potentlal duration is:

(J millisecond C. 1 second

B. 1 microsecond D, 1 minute

Q27, What is true about Oxytocin?

A, Acts on kidney tubules C.. Perform cellular functions

B, Stimulates 1CSH . Dilate milk ducts of mammary glands

28, NAD is an important?

A, Enzyme C. Hormone

pe Coenzyme D. Vitamin.

t V

ag

Q29, The active sites of ones are compos i

A, Few Nucleotides lie C. Few Saccharides

B. Few Nucleos|des iD Few amino Acts

Q30, sampave Int an

Homologous to:substrate C. Smale than subst

B, Analogous to substrate 0. Larger than substrate

a Which enzyme is different from others?

A, Pepsin C. Chymotrypsin

o Trypsin OY Lactase

Q32, The enzyme which can work on pH 7 of the medium is?

A, Pepsin C. Chymotrypsin

/ Sucrase D. Pancreatic lipase

Q33, according to evolutionary studies, prokaryotes may have arisen around:

2.5 billion years ago ; in vacuo

v} 5 billion years ago i.e. the

a Which of the following is NOT an adaptation?

Snake's legs due to atrophy

increasing milk production D. Movement of ear

Q35, Which of the following is if organs are supposed to be functional in ancestral species rather than in present day:

AY Vestigial organs C. Analogous organs

B, Homologous organs D.. Embryonic organs

Q36, Which of the following is the main point of Darwinism?

A, Over production C. Disuse of organ

B, Variation & Perceived unity of life

Q37, Descending aorta is bifurcated into two vessels: which on further division form femoral artery that supply blood to thigh muscles of legs:

A, Iliac vein C. temporal artery

B, iliac artery D. splanchnic artery

Q38, The final destination of lymph is:

A. lymph node lymphatics

B. lymphoid organs of the immune system

Q39, Smooth muscles are milk ejection caused

* Trachea C. Bronchioles

B, Bronchi D. Alveoli

Q40, The method of bringing oxygenated air into contact with a gas exchange surface is called

A, photosynthesis C. gas transport

B, ventilation D. respiration

Q41, Number of layers of cell wall in Gram positive bacteria is:

A 3

B, 2 D. 4

(42, *Helicobacter pylori* is an example of:

A, Cocci C. Pleomorphic

B, bacilli D. Spiral

(43, Bacterial cell have ability to maintain its shape by

A, Cell wall B. Surface

C. Pili D. Pal

Q44, Which of the following is a spiral shaped bacteria?

A. *Diplococcus* B. *Escherichia coli*

C. *Pseudomonas* D. *Staphylococcus*

45. All the following are disinfectants to control bacterial growth except:

A, Tincture of Iodine B. Mercuric Chloride

C, Potassium Permanganate D, Hydrogen Peroxide

Q46. The function of hyaluronidase enzyme is

A? Penetration of the sperm into the ovum C, Entrance of the sperm into the fallopian

B. Entrance of the sperm into the vagina tube

D, Inactivation of sperms after their failure to

fertilize ovum

Q47, In human females, what is the small, pear-shaped, muscular, distensible, sac-like organ where gestation takes place?

A. Uterus are

B. Kidney iar

BA elaur also expe fl re mia oxytoclnon:

Endometrium iy C. Perlmetrlum

B, Myometrlum D. Ovaries

Q49, The term cenit! ike means

A, Start of menstruation (Stop of ova production

B. Start of ovulation D. Degeneration of ovaries

Q50, Production of Follicle-stimutating hormone (FSH) and Luteinizing Hormone (LH) from the pituitary gland of female is controlled by:

A. Ovary C. Stimulated fallicles

B. Uterus 0 Hypothalamus

Q51, Cartilage Is a type of whilch tissue?

AAConnective tissues C, Muscular tissues .

B. Epithellal tissues D. Nervous tissues

Q52, Irregular strlations and Involuntary:control is related'to?

A, Cardiac muscle cells ø. al

B, Fibroclastte cartllage cell bra

Q53, The cell membrane of me it ?i al Ng ye |

A, Sarcoplasm

C. Sarcomere

8 Sarcolemma D. Myoflbrls

Q54, During sliding «ail is ATP Is usedifor?

Ve brldge formation C. Dragging filaments

Cross bridge breaking D, Shortening of flaments

Q55, Test cross Is made to check the genotype of a traft. Which of the following crosses is a test cross?

VA Unknown x At C. Unknown.x AB

B, Unknown x t D, Unknown x TT

Q56, According to Mendel Law of Segregation, the one Individual out of four in F2 are

phenotype that failed to express in ____ generation, generation had

yyA OH

B, Fe D. PI

Q57. ABO blood group is controlled by more than two alleles in a

group is an example of: It shows that ABO

A, Polygenic Inheritance

Multiple Alleles

re a

ist

Q58, Only chromosomes are on:

A, Same chromatids B. Non-homologous chromosomes

B, Same chromosomes C. Homologous chromosomes

Q59 Which one of the following is X Linked Dominant disorder?

A, Haemophilia B. Hypophosphatemic rickets

C. Color blindness D, Hypertension

Q60, What of the following virus contains single stranded DNA?

A, Adenovirus B. Parvovirus

B, Herpesvirus D. Poxvirus

Q61. Feeding by living in or on the other organism (Host) belonging to different species is called?

A, Mineral nutrition C. Saprophytic nutrition

Parasitic nutrition D, Symbiotic nutrition

Q62, The ____ describes how water and dissolved chemicals are taken into the cell wall

and intercellular gaps of plants.

ine

A, Apoplast Theory |

B, Symplast Theory |

Q63, The movement of water to a leaf area through a semipermeable membrane is?

/ Osmotic Potential C. Soil potential

B. Pressure potential D, Solute potential

Q64, Four chambered heart with right systemic arch only is present in?

A. Amphibians ? Oldts

B. Reptiles D. Mammals

65, Excretion in Planaria takes place by ? /

A, Malpighian tubules Metanephridia

B. Protonephridia C, Nephron

66. The body of which is called metamERICALLY segmented?

~ Cnidarians C. Annelids

B Nematodes D. Sponges

(67, Enteron is the characteristic feature of:

A. Phylum Porifera C. Mollusca

B. Phylum Cnidaria

(68, To study sex linkages in Drosophila, crossing with wild type red eyed

females, What will be the parental P?

A, All red eyed males and red eyed females C. White eyed females and red eyed males

B Red eyed males & white eyed females and males