Paid Practice Test Bundle 2 Paper 2
Chemistry

Q 1

Following are example of Intramolecular forces except?

A

Ionic bond

B

Covalent bond

C

Metallic bond

D

Dipole Dipole forces

Q 2

Which one is radioactive?

A

Cs

B

Fr

C

Li

D

K

Q 3

Elements of group 7A are called

A

good loser

B

good gainer

C

energetic

D

stable

Q 4

Thermochemistry is very important to learn about

A

Chemical Equilibrium

B

Chemical Bonding

C

Heat contents of a compound

D

All of these

Q 5

Which of the following give silver mirror test ?

A

Butanal

B

Methanal

C

Ethanal

D

All of these

Q 6

Structure of a Crystal is changed due to

A

Cooling

B

Heating

C

Impurity

D

None of these

Q 7

What is the coordination number of Cu metal in $[Cu(NH_3)_4]SO_4$?

A

3

B

4

C

6

D

1

Q 8

Suppression of ionization means

A

Decreasing Ionization

B

Increasing Ionization

C

Maintaining Ionization

D

None of these

Q 9

Which of the following element is not usually present in all proteins?

A

Carbon

B

Hydrogen

C

Nitrogen

D

Sulphur

Q 10

Any specie which carry a positive charge and can accept electrons is called as_____?

A

Electrophile

B

Anion

C

Nucleophile

D

Electrophobic

Q 11

Glycerol can also be termed as

A

1 - butanol

B

1, 2, 3 - propanetriol

C

2 - methyl - propanol

D

ISObutyl alcohol

Q 12

Quantum numbers specify the _of electron

A

shape

B

energy

C

position

D

all of these

Q 13

Ethyl alcohol is a non polar solvent but can dissolve in water because of formation of __

A

polar bond

B

non-polar bond

C

H-bond

D

all of these

Q 14

The concept of _____of gases helps to relate solids and liquids in a quantitative manner.

A

density

B

molar volume

C

pressure

D

temperature

Q 15

The expression for the radius of nth orbit of hydrogen atom was derived by

A

Planks

B

Bohr

C

Rutherford

D

Einstein

Q 16

Temperature and volume in an experiment are part of

A

Surroundings

B

System

C

State of a system

D

All of these

Q 17

The rate expression have a negative sign for

A

Disappearance of Reactants

B

Formation of Products

C

a given time

D

All of these

Q 18

The energy released during the formation of crystal lattice of KCl is

A

39 KJ/mol

B

49 KJ/mol

C

59 KJ/mol

D

69 KJ/mol

Q 19

Which one of the following is not a secondary alkyl halide?

A

2-Chloropropane

B

3-Bromobutane

C

2,3,dichloropentane

D

2-chloro,2-methylpentane

Q 20

During SN_1 mechanism, nucleophile can attack on the halogen carbon?

A

From opposite side of leaving group

B

From front of leaving group

C

From both sides

D

None of these

Q 21

Carboxylic acids turn ?

A

Red litmus blue

B

Blue litmus red

C

Neutral to litmus

D

No effect

Q 22

which one the characteristic of Ionic solids ?

A

high vapor pressure

B

good conductivity

C

low melting point

D

solubility in polar solvents

Q 23

On which factors the vapour pressure of a substance does not depend?

A

Physical state of matter

B

Intermolecular forces

C

Surface area

D

Temperature

Q 24

Any process of chemical decay of metals due to the action of the surrounding medium is called

A

Activation

B

Enamelling

C

Corrosion

D

Coating

Q 25

The platinum in SHE act as a

A

Buffer

B

Salt Bridge

C

Electrical Conductor

D

All of these

Q 26

Which of the following alcohol is most reactive in the reaction where O-H bon breaks?

A

Primary alcohol

B

Tertiary alcohol

C

Methyl alcohol

D

Secondary alcohol

Q 27

A gas having volume of 1 dm3 is enclosed in a vessel at 1 c and 2.5 atm. This gas is allowed to expand until new pressure is 2 (No Suggestions) will be new volume if the temperature is maintained at 273 k?

A

12dm^3

B

1.25dm^3

C

1dm^3

D

12 .3dm^3

Q 28

The most common positive ions are formed by the atoms

A

non metals

B

metals

C

noble gases

D

Hydrogen

Q 29

Δn is the difference in number of moles of reactants and products in a reaction which is

A

Solid Phase

B

Liquid phase

C

Gaseous Phase

D

Plasma Phase

Q 30

Masses of atoms ranges from

A

1x10^-28 kg to 1x10^-22 kg

B

1x10^-26 kg to 1x10^-23 kg

C

1x10^-27 kg to 1x10^-24 kg

D

1.6373x10^-27 kg to 1x10^-25 kg

Q 31

Which enzyme is used for diagnosis of Jaundice ?

A

LDH-1

B

Protease

C

Alkaline phosphatase

D

None of these

Q 32

Which of the following compound shows more H-Bonding?

A

CH_3OH

B

CH_3CH_2OH

C

C_6H_5OH

D

$C_6H_{11}OH$

Q 33

Electrolysis of a dilute solution of NaCl results at the anode

A

Sodium

B

Hydrogen

C

Chlorine

D

Oxygen

Q 34

In an Irreversible reaction the tendency of it to go in reverse direction is

A

High

B

low

C

negligible

D

none Of these

Q 35

In Chemistry the work is generally

A

Done by Temperature change

B

Pressure - Temperature Work

C

Pressure Volume Work

D

None of these

Q 36

Who proved that no Vital Force theory is involved I synthesis of organic compounds?

A

Lewis

B

Wohler

C

Greek Philosophers

D

Berzillus

Q 37

In the formation of HF,_____ donates the major of its electron among hydrogen atom or fluorine atom

A

H-atom

B

F-atom

C

both A & B

D

none of these

Q 38

Carboxylic acids are produced by the oxidation of_____?

A

Alcohol

B

Aldehyde

C

Ketone

D

All of these

Q 39

In IUPAC nomenclature , ketones are named as_____?

A

Alkanol

B

Alkanal

C

Alkanone

D

Alkyl halides

Q 40

Sulphate ion is

A

Triangular Planner

B

Cubic

C

Cubic Face Centred

D

Tetrahedral

Q 41

What one is the correct geometry of acetal?

A

Trigonal

B

Linear

C

Tetrahedral

D

Square planer

Q 42

Which of the following oxidizing agents can oxidize benzene?

A

$KMnO_4$

B

$K_2Cr_2O_7$

C

$KHMnO_4$

D

V_2O_5

Q 43

a liquid crystalline state exist between two temperatures I-e melting temperature and ____temperature

A

boiling

B

freezing

C

clearing

D

all of these

Q 44

Who discovered positive rays also called protons and when?

A

Chadwick,1895

B

Goldstein,1886

C

Rutherford,1885

D

J.Perrin,1885

Q 45

Binary compounds of halogens with alkali metals are called

A

Oxides

B

Hydrides

C

Halides

D

Nitriles

Q 46

which one of them belongs to tetragonal system

A

Bi

B

Sn

C

Fe

D

Zn

Q 47

Which of the following is succinic acid ?

A

Ethanoic acid

B

Hexanedioic acid

C

Butanedioic acid

D

Propanoic acid

Q 48

Calculate mass in grams of 8.694 moles of Ag2CO3

A

1417.53g

B

2399.544g

C

3456.78g

D

1231.98g

Q 49

which of the following does not have sp2 hybridized orbital

A

acetone

B

acetonitrile

C

acetic acid

D

acetamide

Q 50

If we decrease temperature of a gas 2 times, its volume will

A

increase 4 times

B

decrease 4 times

C

decrease 2 times

D

increase 2 times

Q 51

After the hydrolysis of ester the change in concentration of acid at different intervals is calculated by

A

Titration with KMnO4

B

Titration With Standard Alkali

C

Distillation

D

Evaporation of mixture

Q 52

In which of the following benzene is isolated?

A

Naphthalene

B

Diphenyl ethane

C

Phenanthrene

D

Anthracene

Q 53

Half-life period for a first order reaction is independent of

A

Conditions of temperature

B

Initial Concentration of the compound

C

Presence of Catalyst

D

All of these

Q 54

Which of the following is a dihydric alcohol?

A

Ethanol

B

Methanol

C

Glycerol

D

Glycol

Q 55

NAD contains which vitamin as cofactor.

A

B1

B

B2

C

C

D

B3

Q 56

Fused Bauxite is electrolyzed to get

A

Sodium

B

Magnesium

C

Aluminum

D

Iron

Physics

Q 57

Laser light is

A

multi directional

B

bi-directional

C

uni-directional

D

none of these

Q 58

A fraction of internal energy is due to the molecular vibration, which is different in different states of matter. Which of the following gives the correct order of fraction of internal energy due to molecular vibration?

A

solid > gas > liquid

B

gas > liquid > solid

C

solid > liquid > gas

D

gas > liquid > solid

Q 59

Velocity is defined as:....

A

distance divided by the time during which the displacement occurs

B

distance travelled in a specific direction

C

displacement divided by the time during which the displacement occurs

D

displacement travelled in a specific direction

Q 60

The value of universal gas, R, constant is:....

A

8.314 J/mol*K

B

1.38 x 10^-23 J/K

C

6.63 x 10^-11 Nm^2/kg^2

D

1.6 x 10^-19 C

Q 61

A steady current passing through a conductor produces

A

electric field

B

magnetic field

C

both of these

D

none of these

Q 62

In order to achieve high accuracy, the slide wire of a potentiometer should be

A

As long as possible

B

As short as possible

C

Neither too small not too large

D

Very thick

Q 63

Which source is associated with a line emission spectrum

A

electric signal

B

neon street signal

C

red traffic light

D

signal

Q 64

The fractional change in resistance per kelvin is known as

A

coefficient in resistance

B

temperature coefficient of resistance

C

resistance

D

None of these

Q 65

Work done by friction

A

can be zero

B

can be positive

C

can be negative

D

all of these

Q 66

In an A.C. generator, increase in number of turns in the coil

A

increases emf

B

decreases emf

C

makes the emf zero

D

maintains the emf at a constant value

Q 67

The speed of sound in a metal is approximately:

A

1500 m/s

B

5000 m/s

C

330 m/s

D

50 m/s

Q 68

The angle through which a body moves is called:

A

Angular displacement

B

Angular velocity

C

Angular acceleration

D

None of these

Q 69

The electric potential at infinite distance is:....

A

infinity

B

zero

C

positive

D

negative

Q 70

If peak Voltage across a full wave rectifier is 20V then Vrms is

A

7.07

B

14.14 v

C

16.8V

D

12V

Q 71

Bones image is shown on x-ray photograph because x-rays can be

A

transmitted through bones

B

reflected by bones

C

absorbed by bones

D

scattered by bones

Q 72

If one body is at rest then if we try to move it then it will resist by

A

inertia of motion

B

inertia of rest

C

inertia of turning

D

inertia of acceleration

Q 73

In simple harmonic motion, which two quantities are always in opposite direction?

A

kinetic energy and potential energy

B

kinetic energy and velocity

C

velocity and acceleration

D

acceleration and displacement

Q 74

x-rays can be deflect by

A

electric field

B

magnetic field

C

both a & B

D

none of these

Q 75

The battery of a pocket calculator supplies 0.35A at a potential difference of 6 volts. What is the power of the calculator?

A

9 Watt

B

2.1 Watt

C

4 Watt

D

7 Watt

Q 76

x-rays were discovered in

A

nuclear bomb experiment

B

chemical reaction experiment

C

scattering experiment

D

none of these

Q 77

If momentum is increased by 20% then K.E. increase by :

A

0.44

B

0.55

C

0.66

D

0.77

Q 78

Spectra corresponding to sodium vapour lamp is

A

band spectra

B

line spectra

C

emission spectra

D

absorption spectra

Q 79

The output voltage of a rectifier is

A

smooth

B

pulsating

C

perfectly direct

D

alternating

Q 80

Choose the wrong statement from the following: For accurate measurements, a potentiometer wire_____

A

must have a uniform cross section

B

must have a high temperature coefficient of resistance

C

high specific resistance

D

homogeneity

Q 81

Ohm’s law is true for

A

Metallic conductors at low temperature

B

Metallic conductors at high temperature

C

For electrolytes, when current passes through them

D

For diode when current flows

Q 82

Three charges + 3q + q and Q are placed on a straight line with equal separation. In order to make the net force on q to be zero, the value of Q will be

A

3q

B

2q

C

4q

D

5q

Q 83

The use of a capacitor filter in a rectifier circuit gives satisfactory performance only when the load

A

Current is high

B

Current is low

C

Voltage is high

D

Voltage is low

Q 84

Centre tape rectifier circuit consists of _____ diode

A

1

B

200%

C

300%

D

400%

Q 85

A rectangular loop of dimension 3 cm by 5 cm is placed perpendicular in uniform magnetic field of 0.1 T, find the magnetic flux through the loop

A

1.5 wb

B

0.15 wb

C

0.015 wb

D

15 wb

Q 86

The maximum instantaneous value measured from zero value is known as?

A

peak value

B

peak to peak value

C

cycle

D

period

Q 87

Magnetic field lines created by current carrying wire is

A

Helical

B

Elliptical

C

Hyperbolic

D

Circular

Q 88

The shortest distance between two points on the wave that have a phase difference of (pi/3) is 5 cm. What is its wavelength?

A

10 cm

B

20 cm

C

30 cm

D

40 cm

Q 89

A motion with increasing velocity can be represented on displacement-time graph by:...

A

a horizontal line

B

a curve line with decreasing gradient

C

a straight line with constant gradient

D

a curve line with increasing gradient

Q 90

In ground state, high energy photons will be

A

reflected

B

absorbed

C

transmitted

D

any of these

Q 91

Calculate the maximum emf when the velocity is 10m/s, the length is 3m and the magnetic field density is 5T

A

150V

B

300V

C

100V

D

0V

Q 92

Which of the following blocks will release heat fast

A

rough white surface

B

polished white surface

C

rough black surface

D

polished black surface

Q 93

A sealed container contains water at 10 degrees C and 0 degrees C. If the system is thermally isolated, then what happens to the total energy of the system?

A

it decreases

B

it increases

C

it increases then remains same

D

it remains same

Q 94

Dual nature of light is proved by :

A

Davisson and Germanʼs experiment

B

Black body radiation

C

Compton 's effect

D

Photoelectric effect

Q 95

The speed of sound, v, is not affected by a variation in the pressure of the gas, because:

A

speed, v, does not depend on pressure

B

speed, v, does not depend on density

C

density is proportional to pressure

D

none of the above

Q 96

Michelson's interferometer works on the principle of:

A

interference of light

B

refraction of light

C

reflection of light

D

diffraction of light

Q 97

If r=1m and Θ= 1 degree then what is the value of S

A

0.01745m

B

1m

C

2m

D

None

Q 98

A uniform chain of length 2 m is kept on a table such that a length of 60 cm hangs freely from the edge of the table. The total mass of the chain is 4 kg. What is the work done in pulling the entire chain on the table?

A

7.2 J

B

3.6 J

C

120 J

D

1200 J

Q 99

Find the magnetic flux through a 1000 turn solenoid of radius 10 cm and length equal to 30 cm and a current 3 A pass through it

A

0.4*10^-3 Wb

B

4000 Wb

C

0.4 Wb

D

4 Wb

Q 100

An ideal gas at 15.5C and a pressure of 1.72 x 10^5 Pa occupies a volume of 2.81 m^3. How many moles of gas are present?

A

2.01 mol

B

21 mol

C

201 mol

D

2001 mol

Q 101

Electric current may be defined as

A

Rate of flow of charge

B

Rate of flow of momentum

C

Rate of flow of power

D

None of them

Q 102

The half-life of radium is about 1600 years. Of 100 g of radium existing now, 25 g will remain unchanged after

A

2400 years

B

3200 years

C

6400 years

D

4800 years

Q 103

A particle carrying a charge 3e, accelerates through a potential difference of 2V. The energy acquired by it is:...

A

1.6 x 10^-19 J

B

9.6 x 10^-19 J

C

9.6 x 10^-18 J

D

1.6 x 10^-18 J

Q 104

x-rays cannot detect

A

sugar

B

blood pressure

C

cholesterol

D

all of these

Q 105

If radius is four times angular velocity is two times the linear velocity becomes

A

4

B

6

C

8

D

none of these

Q 106

A monochromatic light is incident on a single slit, and a diffraction pattern forms on the screen. If a is the angle between central maximum and first minimum, then which of the following change will increase a?

A

increase the width of slit

B

decrease the width of slit

C

increase the distance between screen and slit

D

decrease the distance between screen and slit

Q 107

If displacement-time graph is a curve, which of the following is correct:....

A

area under graph represent displacement

B

gradient of the graph is constant

C

gradient of the tangent of graph represents acceleration

D

gradient of the tangent of graph represents velocity

Q 108

Resistivity of a wire is ___ ohm-m if 0.75 A current flows through it by applying 1.5 V potential difference, take length and cross section as 5m and 2.5 x 10^-7 m^2.

A

1 x 10^-7

B

2.63 x 10^-8

C

19 x 10^-8

D

7.85 x 10^-8

Q 109

Power transfer from primary to secondary is through flux linkage, so the primary and secondary coils should be wound in such a way that flux coupling between them is

A

min

B

constant

C

zero

D

max

Q 110

In half wave rectification, the output DC voltage is obtained across the load for

A

the positive half cycle of input AC

B

the negative half cycle of input AC

C

the positive and negative half cycles of input AC

D

Either positive or negative half cycle of input AC

Q 111

Which set of elements have three isotopes

A

O,H

B

O,Cl

C

Cl,Hg

D

All of them

Q 112

If the temperature of Sun is doubled heat energy reached on earth become

A

three times

B

sixteen times

C

four times

D

same

Biology

Q 113

What is the size of Parvovirus?

A

200 nm

B

20nm

C

30 nm

D

100 nm

Q 114

The frequency of allele if it is evolutionary successful is?

A

increased

B

decreased

C

no change

D

none of these

Q 115

A group of ribosomes attached to mRNA is known as?

A

polymer

B

polypeptide

C

polysomes

D

monomer

Q 116

The time when the sex organs start to become active is called:

A

the fertile period

B

adulthood

C

pregnancy

D

puberty

Q 117

Air contains what percentage of carbon dioxide?

A

0.02-0.03

B

0.03-0.04

C

0.04-0.05

D

0.05-0.06

Q 118

Of the following which one is not included in Protostomes?

A

arthropods

B

hemichordates

C

annelids

D

molluscs

Q 119

About what % of photosynthesis is carried by terrestrial plants, while rest occurs in ocean, lakes, and ponds.

A

40

B

10

C

20

D

30

Q 120

Developing seeds are rich source of which of the following?

A

auxins

B

gibberellins

C

cytokinins

D

all of these

Q 121

The glycerols are considered backbone of

A

DNA

B

RNA

C

ATP

D

Triglycerides

Q 122

An increrase in plant girth due to activity of which of the following?

A

Cork cambium

B

Vascular cambium

C

pith

D

both a and b

Q 123

Outbreeding increases which of the following?

A

homozygosity

B

heterozygosity

C

gene linkage

D

gene pool

Q 124

In non-competitive inhibition, the extent of inhibition depends only on?

A

concentration of enzyme

B

concentration of substrate

C

concentration of ES complex

D

concentration of inhibitor

Q 125

The gene which cannot be determined by observing the organism is?

A

dominant

B

allele

C

phenotype

D

recessive

Q 126

----- is formed by two pairs of light chains, and one pair of heavy chains.

A

actin

B

myosin

C

myofibril

D

Fibroin

Q 127

Alternation of generation is absent in which coelenterate?

A

Obelia

B

Jelly fish

C

Hydra

D

Sea anemone

Q 128

What is the definition of "fitness" in terms of evolution?

A

The organism's ability to attain resources while in competition with other organisms of its species

B

The organism's ability to attract the most mates

C

The organism's health

D

The ability of an organism to contribute its genes to future generations

Q 129

The largest organelle in a mature living plant cell is?

A

chloroplast

B

nucleus

C

central vacuole

D

mitochondria

Q 130

A group of populations that have the potential to interbreed in nature is known as which of the following?

A

genus

B

family

C

specie

D

community

Q 131

Which of the following is pure form of cellulose?

A

silk

B

wool

C

cotton

D

paper

Q 132

How does each photoexcited electron pass from PS1 to PS2?

A

ETC

B

chemiosmosis

C

photolysis

D

photosynthesis

Q 133

Which of the following characteristics make plasmid DNA useful for researchers?

A

Readily incorporate cloned DNA

B

Capable of autonomous replication

C

Capable of being isolated from genomic DNA

D

all of these

Q 134

The wall of chest cavity is composed of:

A

Intercostal muscles

B

ribs

C

Both and A and B

D

Diaphragm

Q 135

Which organism would be considered the most biologically fit?

A

Lives 45 years and produces 3 offspring

B

Lives 70 years and produces no offspring

C

Lives 27 years and produces 1 offspring

D

Lives 36 years and produces 6 offspring

Q 136

According to the fluid mosaic model, the plasma membrane is composed of which of the following?

A

phospholipids

B

extrinsic proteins

C

intrinsic proteins

D

all of these

Q 137

What are the concentrations of the cell bodies of the neurons called?

A

axons

B

introns

C

ganglia

D

dendrites

Q 138

External genitalia of human male consist of a pair of testes which lie outside the body in the sac like?

A

bag

B

scrotum

C

pouch

D

all of these

Q 139

The functional group that best represents ketoses is?

A

CO

B

COOH

C

HCOH

D

HOH

Q 140

Where does the ovum receive the sperm?

A

animal pole

B

vegetal pole

C

both a and b

D

none of these

Q 141

The rise in blood glucose concentration occurs due to which hormone?

A

glucagon

B

glucose

C

insulin

D

all of these

Q 142

The maintenance of cell shape is the role of which of the following?

A

cristae

B

microtubules

C

glyoxysome

D

intermediate filaments

Q 143

Non toxic vitamins include which of the following?

A

vitamin c

B

vitamin b

C

both a and b

D

none of these

Q 144

What is not true about cartilage?

A

There are many blood vessels in the cartilage

B

It is a form of connective tissue

C

It covers ends of the bone at the joint

D

Both A and B

Q 145

Which of the following are modern-day descends of theropod dinosaurs?

A

birds

B

lions

C

panther

D

bears

Q 146

The organelle serving as a primary packaging area for molecules that will be distributed throughout the cell is?

A

vacuole

B

plastids

C

lysosomes

D

golgi apparatus

Q 147

Calvin cycle is

A

inhibited by light

B

dependent upon light

C

independent on light

D

supported by light

Q 148

A pure breeding tall pea plant was crossed to dwarf plant what will be the frequency of dwarf plants in F2?

A

0.25

B

0.5

C

0

D

1

Q 149

Oxaloacetate combines with which molecule to enter the krebs cycle again?

A

ATP

B

NADPH

C

FAD

D

Acetyl coA

Q 150

Diameter of thick filament is approximately how many nm?

A

15

B

16

C

17

D

18

Q 151

What is correct about myoglobin?

A

It is iron containing protein pigment

B

It occurs in muscle fibers

C

It also stores some oxygen

D

All A,B and C are correct

Q 152

The double layered thin membranous sacs that cover lungs are called:

A

alveoli

B

diaphragm

C

epithelial membrane

D

pleura

Q 153

What molecule would you not expect to find in a retrovirus?

A

adenine

B

thymine

C

uracil

D

guanine

Q 154

The best definition of natural selection is?

A

survival of the fittest

B

the most fit individuals adapt to their environment better than less fit individuals

C

those who eat better, are healthier, and live longer are the most fit within a population

D

preservation of traits that lead to increased survival and reproduction

Q 155

The female gametes are most commonly referred as?

A

egg

B

ova

C

ovum

D

all of these

Q 156

Each air-sac consists of several microscopic single layered structures called:

A

bronchioles

B

windpipe

C

bronchi

D

alveoli

Q 157

Which of the following is required for learning?

A

Medulla

B

Thalamus

C

hypothalamus

D

Hippocampus

Q 158

Which statement is true about gastopods?

A

Body is bilaterally symmetrical.

B

Both aquatic and land species breathe through lungs.

C

Triploblastic and acoelomates.

D

All of the above.

Q 159

What is produced in the muscle cells during extreme physical activity?

A

Acetyl coA

B

alcohol

C

lactic acid

D

all of these

Q 160

The enzyme involved in splitting or formation of C-C bond is called?

A

oxidases

B

dehydrogenases

C

transglycosidases

D

desmolases

Q 161

Germ theory of diseases was formulated by

A

Louis Pasteur

B

Robert Koch

C

Christain Gram

D

None of above

Q 162

_____ is a competitive inhibitor of succinic dehydrogenase.

A

Malonic acid

B

Malic acid

C

Fumaric acid

D

Acetic acid

Q 163

The numbers of capsomeres found in herpes virus capsid is?

A

162

B

200

C

234

D

155

Q 164

Cells release various cellular secretions to facilitate bodily functions. Most of the cellular secretions are?

A

Glycoproteins

B

glycolipids

C

Nucleohistones

D

Carbohydrates

Q 165

Your neighbor has a flower garden in which there are red flowers and white flowers. These flowers are diploid organisms, and flower color is an autosomal trait. The gene for red flowers (R) is dominant, while the gene for white flowers (r) is recessive. Which of the following could be the genotype of a red flower?

A

Rr

B

RR, Rr, or rr

C

rr

D

RR or Rr

Q 166

The experiment that simulated conditions thought to be present on the early earth

A

Hershey Chase experiment

B

Geiger Marsden experiment

C

Schiehallion experiment

D

Miller–Urey experiment

Q 167

The property of water due to which it works as a temperature stabilizer and hence protect living organisms from sudden thermal changes is?

A

Dipole nature

B

High specific heat of vaporization

C

High specific heat capacity

D

Its liquid state

Q 168

Ascaris is characterized by which of the following?

A

Presence of true coelom and metamerism

B

Presence of true coelom but the absence of metamerism

C

Absence of true coelom but the presence of metamerism

D

Absence of true coelom and metamerism

Q 169

Louis Pasteur discovered a vaccine against which disease?

A

anthrax

B

smallpox

C

rabies

D

HIV

Q 170

Growth and development of plant cells is the role of?

A

parenchymatous cells

B

chlorenchymatous cells

C

meristematic cell

D

sclerenchymatous cells

Q 171

The auditory relay center is found in:

A

Corpus callosum

B

Hindbrain

C

Forebrain

D

Midbrain

Q 172

What's the difference between homologous and analogous structures?

A

Homologous structures result from a common ancestor; analogous structures result from repetitive usage by the individual

B

Homologous structures result from convergent evolution; analogous structures result from a common ancestor

C

There is no difference between homologous and analogous structures

D

Homologous structures result from a common ancestor; analogous structures result from convergent evolution

Q 173

Which hormone is produced mainly by corpus luteum in the ovary following ovulation?

A

progesterone

B

FSH

C

LH

D

Chorionic gonadotrophic hormone

Q 174

The flap like structure found in larynx is called:

A

glottis

B

epiglottis

C

larynx

D

vocal cords

Q 175

The type of bronchitis that causes no permanent damage to the lungs and lasts for two weeks is known as

A

Acute bronchitis

B

Chronic bronchitis

C

coastal bronchitis

D

intercostal bronchitis

Q 176

Net yield of H2O in Photosynthesis is?

A

1

B

6

C

3

D

0

Q 177

Which the following is not the unique features of synovial joint?

A

Articular capsule

B

articular cartilage

C

synovial fluid

D

fibrocartilage

Q 178

Which molecule passes the mitochondrial membrane to begin the krebs cycle?

A

ATP

B

ADP

C

NADH

D

Acetyl coA

Q 179

An inhibitor is added, disrupting the function of a particular enzyme. The experimenter adds more substrate, and enzyme function increases again. These results indicate the involvement of what type of inhibitor?

A

Noncompetitive

B

Uncompetitive

C

Allosteric

D

Competitive

Q 180

Which of these is not a part of murein?

A

polypeptides

B

amino acids

C

proteins

D

glycans

English

Q 181

One of my sisters _____ going on a trip to France.

A

is

B

are

C

has

D

have

Q 182

overcast

A

rainy

B

cloudy

C

windy

D

clear

Q 183

Choose the correct sentence.

A

Why can’t I speak to Ms. Parvin today!

B

Why can’t I speak to Ms. Parvin today?

C

Why cant I speak to Ms. Parvin today?

D

Why can’t i speak to Ms. Parvin today?

Q 184

Neither the professor nor his assistants _____ able to solve the mystery of the eerie glow in the laboratory.

A

is

B

was

C

were

D

be

Q 185

glared

A

frown or blaze

B

shine or sparkle

C

grin or extinguish

D

frown or eliminate

Q 186

I am going for _____ walk in _____ park.

A

a...a

B

a..an

C

a..the

D

an..an

Q 186

I am going for _____ walk in _____ park.

A

a...a

B

a..an

C

a..the

D

an..an

Q 187

Can you _____ the tea and I'll get the cake myself.

A

depart

B

disturb

C

pour

D

feed

Q 188

Choose the correct spelling of the word

A

developement

B

devalopment

C

davalopment

D

development

Q 189

we are

A

we're

B

were

C

wer'e

D

were'

Q 190

Choose the correct sentence.

A

Wow, what a wonderful event.

B

Wow! What a wonderful event?

C

Wow! What a wonderful event!

D

Wow! what a wonderful event.

Q 191

She writes with her left hand.

A

Declarative

B

Imperative

C

Interrogative

D

Exclamatory

Q 192

Both of the dogs _____ collars.

A

has

B

have

C

having

D

are having

Q 193

What tense is the verb in this sentence? 'They go to college on Mondays.'

A

Present

B

past

C

future

D

none of these

Q 194

I work as _____ only English teacher at this school.

A

a

B

an

C

the

D

no article

Q 195

With this _____ I can get to the roof of he house.

A

index

B

lager

C

ladder

D

step

Q 196

Either my father or my brothers _____ going to sell the car.

A

is

B

are

C

were

D

was

Q 197

Which one is correct?

A

I watched TV last week.

B

I have watch TV last week.

C

I watch TV last week.

D

I was watched TV last week.

Q 198

As an officer (A)/ he not only was (B)/ competent but (C)/ also honest. (D)

A

As an officer

B

he not only was

C

competent but

D

also honest.

Q 199

I noticed that there were two buttons ..... from his coat.

A

falling

B

losing

C

departing

D

missing

Logical reasoning

Q 200

The art thieves are believed _____ (take) two priceless paintings.

A

to take

B

take

C

took

D

to have taken

Q 201

Statement: The literacy rate in the district has been increasing for the last four years. The district administration has conducted extensive training programme for the workers involved in the literacy drive.

A

Statement I is the cause and statement II is its effect.

B

Statement II is the cause and statement I is its effect

C

Both the statements I and II are independent causes

D

Both the statements I and II are effects of some common cause

Q 202

Statement: The farmers have decided against selling their Kharif crops to the government agencies. The government has reduced the procurement price of Kharif crops starting from last month to the next six months.

A

Statement I is the cause and statement II is its effect.

B

Statement II is the cause and statement I is its effect

C

Both the statements I and II are independent causes

D

Both the statements I and II are effects of independent causes

Q 203

What was the name of Imam Bukhari (R.A)?

A

Muhammad bin Ismail

B

Muhammad Ismail

C

Muhammad Ibrahim

D

Both A and B

Q 204

What should come next to Confound, Illiterate, Bewilder, ?

A

Kind

B

Unlearned

C

Normal

D

Disable

Q 205

Statement The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased. I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality. II. The fruit vendors should stop selling imported fruits. So that the demand for indigenous fruits would be increased.

A

Both of them follows

B

None of them follows

C

Only I follows

D

Only II follows

Q 206

Fill in the blanks. G4X, J8V, M12T, _, S20.

A

N64S

B

P16R

C

Q16R

D

P8S

Q 207

What is the multiplicative inverse of 1/2 ?

A

-2

B

2

C

-1/2

D

Both A and B

Q 208

I. Kate Winslet categorically has stated that she will work on serious roles in the film. II. The last movie of Kate Winslet, in which she was casted as fashion model, was not successful.

A

Statement I is the cause and statement II is its effect.

B

Statement II is the cause and statement I is its effect.

C

Both statements I and II are independent causes

D

Both statements I and II are the effects of independent cause.

Q 209

Four friends in the fifth grade were sharing a pizza. They decided that the oldest friend would get the extra piece. Zara is two months older than Mohib, who is three months younger than kiran. Minal is one month older than Mohib. Who should get the extra piece of pizza?

A

Zara

B

Mohib

C

Kiran

D
Minal
Q 210
Complete the series A3.3, B6.6, C9.9, _____?
A
D13.4
B
D13.2
C
D13.1
D
D13.2