

Exam Date : 08/09/2023
Subject Name : Science

Time : 03:00 PM - 05:30 PM
Subject Code : 111

Subject Question**Question 1**

The main technique involved in agricultural biotechnology is

Answer :

- (A) Tissue Culture
- (B) Transformation
- (C) Plant breeding
- (D) DNA replication

Right Answer :
Tissue Culture

Question Id : 1

Option Id

- 1001
- 1002
- 1003
- 1004

Right Option Id : 1001**Question 2**

Commercially produced chemical substance which increases fertility of soil is

Answer :

- (A) Herbicides
- (B) Pesticides
- (C) Insecticides,
- (D) Fertilisers,

Right Answer :
Fertilisers,

Question Id : 55

Option Id

- 55001
- 55002
- 55003
- 55004

Right Option Id : 55004**Question 3**

The ration (daily food requirement) for broilers is protein rich with adequate fat. The level of ----- is kept high in the poultry feeds.

Answer :

- (A) vitamin A and K.
- (B) vitamin B and C.
- (C) vitamin C and D.
- (D) None of the above

Right Answer :
vitamin A and K.

Question Id : 54

Option Id

- 54001
- 54002
- 54003
- 54004

Right Option Id : 54001**Question 4**

The place where bee farms are raised is known as

Answer :

- (A) Aviaries
- (B) Apiaries
- (C) Aquariums
- (D) None of the above

Question Id : 53

Option Id

- 53001
- 53002
- 53003
- 53004

Right Answer :

Apiaries

Right Option Id : 53002**Question 5**

Crop rotation is used by farmers to increase

Answer :

- (A) Soil fertility
- (B) Nitrogenous content of soil
- (C) Organic content of soil
- (D) All of these

Question Id : 52

Option Id

- 52001
- 52002
- 52003
- 52004

Right Answer :

Soil fertility

Right Option Id : 52001**Question 6**

Which of the following is Milk of Magnesia?

Answer :

- (A) $\text{NH}_4\text{OH}, \text{NH}_4\text{OH}$
- (B) $\text{Mg}(\text{OH})_2, \text{Mg}(\text{OH})_2$
- (C) $\text{NH}_4\text{OH}, \text{NH}_4\text{OH}$
- (D) $\text{Ca}(\text{OH})_2, \text{Ca}(\text{OH})_2$

Question Id : 51

Option Id

- 51001
- 51002
- 51003
- 51004

Right Answer : $\text{Mg}(\text{OH})_2, \text{Mg}(\text{OH})_2$ **Right Option Id : 51002****Question 7**

Which of the following acids is used in photography?

Answer :

- (A) Formic acid
- (B) Oxalic acid
- (C) Citric acid
- (D) Acetic acid

Question Id : 50

Option Id

- 50001
- 50002
- 50003
- 50004

Right Answer :

Oxalic acid

Right Option Id : 50002**Question 8**

Which is the most abundant acid found in grapes?

Answer :

- (A) Malic acid
- (B) Tartaric acid
- (C) Oxalic acid
- (D) sulfuric acid

Question Id : 49

Option Id

- 49001
- 49002
- 49003
- 49004

Right Answer :

Tartaric acid

Right Option Id : 49002**Question 9****Question Id : 48**

Magnesium ribbon is rubbed before burning because it has a coating of which of the following?

Answer :

- (A) Basic magnesium carbonate
- (B) Basic magnesium oxide
- (C) Basic magnesium chloride
- (D) None of these

Option Id

- 48001
- 48002
- 48003
- 48004

Right Answer :

Basic magnesium oxide

Right Option Id : 48002

Question 10

Which of the following type of reaction is taking place in the chemical equation given below? $\text{Pb}(\text{NO}_3)_2 + 2\text{KI} \rightarrow \text{PbI}_2 + 2\text{KNO}_3$

Answer :

- (A) Combination
- (B) Decomposition
- (C) Double displacement
- (D) None of these

Question Id : 47

Option Id

- 47001
- 47002
- 47003
- 47004

Right Answer :

Double displacement

Right Option Id : 47003

Question 11

Which one is not a smelling indicator?

Answer :

- (A) Vanilla
- (B) Onion
- (C) Sweet Potato
- (D) Clove oil

Question Id : 46

Option Id

- 46001
- 46002
- 46003
- 46004

Right Answer :

Sweet Potato

Right Option Id : 46003

Question 12

Which of the following is the present basis for the classification of elements?

Answer :

- (A) Atomic mass of elements
- (B) Atomic number of elements,
- (C) Physical state of elements,
- (D) Valency of elements,

Question Id : 45

Option Id

- 45001
- 45002
- 45003
- 45004

Right Answer :

Atomic number of elements,

Right Option Id : 45002

Question 13

Which of the following elements is more stable?

Answer :

- (A) Ca

Question Id : 44

Option Id

- 44001

- (B) O 44002
- (C) Ar 44003
- (D) Be 44004

Right Answer :
Ar

Right Option Id : 44003

Question 14

Which one of the following is not electronic configuration of a noble gas ?

Answer :

- (A) 2,8,18,8
- (B) 2,8,18,2
- (C) 2,8
- (D) 2,8,18,18,8

Right Answer :
2,8,18,2

Question Id : 43

Option Id

- 43001
- 43002
- 43003
- 43004

Right Option Id : 43002

Question 15

What is done to prevent iron from rusting ?

Answer :

- (A) Painting
- (B) Galvanisation
- (C) Greasing
- (D) All the these

Right Answer :
All the these

Question Id : 42

Option Id

- 42001
- 42002
- 42003
- 42004

Right Option Id : 42004

Question 16

Which of the following is the IUPAC name of C_2H_5OH ?

Answer :

- (A) Ethanol
- (B) Propanol,
- (C) Methenol,
- (D) Butanol,

Right Answer :
Ethanol

Question Id : 41

Option Id

- 41001
- 41002
- 41003
- 41004

Right Option Id : 41001

Question 17

The given hydrocarbon is $CH_3-CH_2-CH_2-CH_2-CH_3$

Answer :

- (A) Butane,
- (B) Pentane,
- (C) Pentene,
- (D) Pentyne,

Question Id : 56

Option Id

- 56001
- 56002
- 56003
- 56004

Right Answer :

Pentane,

Right Option Id : 56002**Question 18**

Which of the following gas is evolved when ethanol reacts with sodium

Answer :

(A) CO₂(B) H₂,(C) O₂,(D) N₂,**Question Id : 57**

Option Id

 57001 57002 57003 57004**Right Answer :**H₂,**Right Option Id : 57002****Question 19**How many covalent bands are there with molecular formula C₄H₁₀ ?

Answer :

(A) 10 Covalent bonds

(B) 13 Covalent bonds,

(C) 9 Covalent bonds,

(D) 8 Covalent bonds,

Question Id : 58

Option Id

 58001 58002 58003 58004**Right Answer :**

13 Covalent bonds,

Right Option Id : 58002**Question 20**

Which of the following statements regarding the effect of humidity on evaporation is incorrect?

Answer :

(A) The rate of evaporation decreases with increase in humidity,.

(B) Humidity sometimes increases the rate of evaporation, sometimes decreases,

(C) Humidity does not affect evaporation,.

(D) The rate of evaporation decreases as the humidity decreases,.

Question Id : 67

Option Id

 67001 67002 67003 67004**Right Answer :**

The rate of evaporation decreases with increase in humidity,.

Right Option Id : 67001**Question 21**

Which of the following objects is a good conductor of heat?

Answer :

(A) Plastic,

(B) Thermocol,

(C) Wood Sawdust,

(D) Glass,

Question Id : 73

Option Id

 73001 73002 73003 73004**Right Answer :**

Glass,

Right Option Id : 73004

Question 22

Thermal energy is -----

Answer :

- (A) equal to the temperature of 1 Kelvin of water,
- (B) equal to 100 °C,
- (C) The latent heat of vaporization absorbed by the body is equal
- (D) None of these.

Right Answer :

The latent heat of vaporization absorbed by the body is equal

Question Id : 72

Option Id

- 72001
- 72002
- 72003
- 72004

Right Option Id : 72003**Question 23**

A gas can be converted into a liquid by -

Answer :

- (A) By increasing the pressure
- (B) decreasing the temperature
- (C) by both.
- (D) none

Right Answer :

by both.

Question Id : 71

Option Id

- 71001
- 71002
- 71003
- 71004

Right Option Id : 71003**Question 24**

0 degree temperature is equal to

Answer :

- (A) 0 K
- (B) 273° C
- (C) 273 K
- (D) 300 K

Right Answer :

273 K

Question Id : 70

Option Id

- 70001
- 70002
- 70003
- 70004

Right Option Id : 70003**Question 25**

The value of solar energy absorbed per square meter from the surface of the earth per second is

Answer :

- (A) 0.3 KJ / S
- (B) 1.36 KJ / S
- (C) 2.36 KJ / S
- (D) 1.76 KJ / S

Right Answer :

1.36 KJ / S

Question Id : 69

Option Id

- 69001
- 69002
- 69003
- 69004

Right Option Id : 69002**Question 26**

Gases can be liquefied by -

Answer :

Option Id

Question Id : 68

- (A) high pressure, low temperature, 68001
- (B) low pressure, high temperature, 68002
- (C) low pressure low temperature, 68003
- (D) None of these. 68004

Right Answer :

high pressure, low temperature,

Right Option Id : 68001

Question 27

The motion between the particles in a gaseous substance is

Answer :

- (A) Random 66001
- (B) Linear 66002
- (C) circular 66003
- (D) vibratory 66004

Right Answer :

Random

Right Option Id : 66001

Question 28

Butter is separated from milk by -

Answer :

- (A) by fractional distillation 59001
- (B) by sublimation 59002
- (C) by sub concentration method 59003
- (D) by magnetic separation, 59004

Right Answer :

by sub concentration method

Right Option Id : 59003

Question 29

Tritium is an isotope of which of the following?

Answer :

- (A) carbon 65001
- (B) hydrogen 65002
- (C) oxygen 65003
- (D) uranium 65004

Right Answer :

hydrogen

Right Option Id : 65002

Question 30

By which method salt is obtained from sea water?

Answer :

- (A) evaporation 64001
- (B) tremble (precipitate) 64002
- (C) strain

64003

(D) to pick up

 64004**Right Answer :**
to pick up**Right Option Id : 64004****Question 31**The number of neutrons in an atom of $^{11}_{23}\text{X}$ is -

Answer :

(A) 23

(B) 11

(C) 34

(D) 12

Right Answer :
12**Question Id : 63**

Option Id

 63001 63002 63003 63004**Right Option Id : 63004****Question 32**

Which of the following is a single valence radical?

Answer :

(A) Chloride

(B) Hydroxide

(C) Nitrate

(D) All of these

Right Answer :
Hydroxide**Question Id : 62**

Option Id

 62001 62002 62003 62004**Right Option Id : 62002****Question 33** α particle is charged

Answer :

(A) negative charged particle

(B) positively charged particle

(C) neutral particle

(D) massless positively charged particle

Right Answer :
positively charged particle**Question Id : 61**

Option Id

 61001 61002 61003 61004**Right Option Id : 61002****Question 34**

Aristotle classified plants in herbs, shrubs and trees on the basis of.

Answer :

(A) Anatomical features

(B) Morphological character

(C) Physiological characters

(D) Biochemical characters

Question Id : 60

Option Id

 60001 60002 60003 60004

Right Answer :
Biochemical characters

Right Option Id : 60004

Question 35

Which of the following are examples of fungus?

Answer :

- (A) Toadstool
- (B) Puccinia
- (C) Yeast
- (D) All of these

Question Id : 40

Option Id

- 40001
- 40002
- 40003
- 40004

Right Answer :
All of these

Right Option Id : 40004

Question 36

Double fertilization is unique to

Answer :

- (A) Pteridophytes
- (B) Bryophytes
- (C) Gymnosperms
- (D) Angiosperms

Question Id : 39

Option Id

- 39001
- 39002
- 39003
- 39004

Right Answer :
Gymnosperms

Right Option Id : 39003

Question 37

Water vascular system is focused in

Answer :

- (A) Porifera
- (B) Mollusca
- (C) Echinodermata
- (D) Coelenterata

Question Id : 38

Option Id

- 38001
- 38002
- 38003
- 38004

Right Answer :
Coelenterata

Right Option Id : 38004

Question 38

In Prokaryotic cell, DNA is -

Answer :

- (A) enclosed by nuclear membrane
- (B) Lacking altogether
- (C) not the genetic material
- (D) not enclosed by nuclear membrane

Question Id : 37

Option Id

- 37001
- 37002
- 37003
- 37004

Right Answer :
enclosed by nuclear membrane

Right Option Id : 37001

Question 39

Which of the following is surrounded by single-membrane?

Answer :

- (A) Lysosome
- (B) Mitochondria
- (C) Nucleus
- (D) Chloroplast

Right Answer :
Chloroplast

Question Id : 17

Option Id

- 17001
- 17002
- 17003
- 17004

Right Option Id : 17004**Question 40**

Mitochondria are sites of....

Answer :

- (A) Breakdown of macromolecules
- (B) Protein synthesis
- (C) Phosphorylation of flavoprotein
- (D) Aerobic respiration

Right Answer :
Aerobic respiration

Question Id : 16

Option Id

- 16001
- 16002
- 16003
- 16004

Right Option Id : 16004**Question 41**

The ribosomes are centres (sites) for.

Answer :

- (A) Respiration
- (B) Protein synthesis
- (C) Photosynthesis
- (D) Lipid synthesis

Right Answer :
Protein synthesis

Question Id : 15

Option Id

- 15001
- 15002
- 15003
- 15004

Right Option Id : 15002**Question 42**

Aerenchyma is helpful to plants by

Answer :

- (A) Providing buoyancy in hydrophytes
- (B) Promoting Photosynthesis
- (C) Giving mechanical strength to plants.
- (D) Giving flexibility to plants.

Right Answer :
Providing buoyancy in hydrophytes

Question Id : 14

Option Id

- 14001
- 14002
- 14003
- 14004

Right Option Id : 14001**Question 43**

Which of the following the causal pathogen for "African sleeping sickness":-

Answer :

- (A) Amoeba

Question Id : 13

Option Id

- 13001

- (B) Plasmodium
(C) Trypanosoma
(D) Paramecium

- 13002
 13003
 13004

Right Answer :
Trypanosoma

Right Option Id : 13003

Question 44

Varicella virus causes.

Answer :

- (A) Chicken pox
(B) Dengue
(C) Malaria
(D) Rabies

Question Id : 12

Option Id

- 12001
 12002
 12003
 12004

Right Answer :
Chicken pox

Right Option Id : 12001

Question 45

How do carbon-di-oxide and oxygen move into and out of a mesophyll cell?

Answer :

- (A) Active transport
(B) Diffusion
(C) Respiration
(D) Transpiration

Question Id : 11

Option Id

- 11001
 11002
 11003
 11004

Right Answer :
Diffusion

Right Option Id : 11002

Question 46

The biological processes found in living beings are :-

Answer :

- (A) Respiration
(B) Nutrition
(C) Reproduction
(D) all of these

Question Id : 10

Option Id

- 10001
 10002
 10003
 10004

Right Answer :
all of these

Right Option Id : 10004

Question 47

Where the phloem is found in leaf ?

Answer :

- (A) Between the lower and upper epidermis
(B) Dorsal side of the vascular bundle
(C) Towards lower epidermis of leaf
(D) around xylem

Question Id : 9

Option Id

- 9001
 9002
 9003

9004**Right Answer :**

Towards lower epidermis of leaf

Right Option Id : 9003**Question 48**

Biodegradable waste can be transformed into compost by a process called ? :-

Answer :

- (A) Composting
- (B) Recycling
- (C) Reusing
- (D) Wasting

Question Id : 8

Option Id

- 8001
- 8002
- 8003
- 8004

Right Answer :

Composting

Right Option Id : 8001**Question 49**

Which of the following is the cause of depletion in the Ozone layer ?

Answer :

- (A) CO₂
- (B) Nitrous oxide
- (C) Methane
- (D) Chlorofluoro carbon

Question Id : 7

Option Id

- 7001
- 7002
- 7003
- 7004

Right Answer :

Chlorofluoro carbon

Right Option Id : 7004**Question 50**

What is the meaning of Environmental protection ?:-

Answer :

- (A) Conservation of economic resources
- (B) Conservation of natural resources
- (C) Conservation of cultural resources
- (D) all of these

Question Id : 6

Option Id

- 6001
- 6002
- 6003
- 6004

Right Answer :

Conservation of natural resources

Right Option Id : 6002**Question 51**

What are included in the natural environment?

Answer :

- (A) biotic
- (B) abiotic
- (C) Both 'A' and 'B'
- (D) None of these

Question Id : 5

Option Id

- 5001
- 5002
- 5003
- 5004

Right Answer :

Both 'A' and 'B'

Right Option Id : 5003

Question 52

Which of the following are the major waste product synthesized by the human body?

Answer :

- (A) CO₂
- (B) Urea
- (C) Both 'a' and 'b'
- (D) None of these

Right Answer :

Both 'a' and 'b'

Question Id : 4

Option Id

- 4001
- 4002
- 4003
- 4004

Right Option Id : 4003

Question 53

Which of the following part of human brain is the centre of intelligence and cleverness?

Answer :

- (A) Cerebrum
- (B) Medulla
- (C) Cerebellum
- (D) Hypothalamus

Right Answer :

Cerebrum

Question Id : 3

Option Id

- 3001
- 3002
- 3003
- 3004

Right Option Id : 3001

Question 54

Fruit develops from which of the following flower part?

Answer :

- (A) Stamen
- (B) Stigma
- (C) Ovary
- (D) Ovule

Right Answer :

Ovary

Question Id : 18

Option Id

- 18001
- 18002
- 18003
- 18004

Right Option Id : 18003

Question 55

Where does fertilization occur in human females?

Answer :

- (A) Cervix
- (B) Vagina
- (C) Uterus
- (D) fallopian tube

Right Answer :

fallopian tube

Question Id : 2

Option Id

- 2001
- 2002
- 2003
- 2004

Right Option Id : 2004

Question 56

Near to 45 years, menstrual cycle stops in females. What is this called?

Question Id : 19

- Answer :
- (A) Menopause 19001
- (B) Menarche 19002
- (C) Pregnancy 19003
- (D) Delivery 19004

Right Answer :
Menopause

Right Option Id : 19001

Question 57

Who is the father of genetics ?

Answer :

- (A) Charles Darwin 21001
- (B) Gregor Johan Mendel 21002
- (C) Robert Hook 21003
- (D) James Watson 21004

Right Answer :
Gregor Johan Mendel

Right Option Id : 21002

Question 58

Mendel selected which of the following traits for his studies?

Answer :

- (A) Stem length, flower position 36001
- (B) Flower colour, seed shape 36002
- (C) Colour of pod, colour of seed 36003
- (D) all of these 36004

Right Answer :
all of these

Right Option Id : 36004

Question 59

Select the group which shares maximum number of common characters :-

Answer :

- (A) two individuals of a same species 35001
- (B) two individuals of a same genus 35002
- (C) two individuals of a same order 35003
- (D) two individuals of a same family 35004

Right Answer :
two individuals of a same species

Right Option Id : 35001

Question 60

The ratio of magnitude of displacement to distance for a moving object is always.

Answer :

- (A) Less than 1 34001
- (B) greater than 1 34002

(C) Less than 1 or equal to 1

34003

(D) equal to 1 or more than 1

34004

Right Answer :

Less than 1 or equal to 1

Right Option Id : 34003

Question 61

A bus increases its speed from 36km/h to 72km/h in 10 seconds. Its acceleration is .

Answer :

(A) 5m/s^2

(B) 2m/s^2

(C) 3.6m/s^2

(D) 1m/s^2

Right Answer :

1m/s^2

Question Id : 33

Option Id

33001

33002

33003

33004

Right Option Id : 33004

Question 62

When the branch of a tree is shaken the ripe fruits gets detached from the branch. This is an example of

Answer :

(A) Newton's first law of motion

(B) Newton's second law of motion

(C) Newton's third law of motion

(D) All the above

Right Answer :

Newton's first law of motion

Question Id : 32

Option Id

32001

32002

32003

32004

Right Option Id : 32001

Question 63

The rockets work on the principle of conservation of

Answer :

(A) mass

(B) energy

(C) momentum

(D) velocity

Right Answer :

momentum

Question Id : 31

Option Id

31001

31002

31003

31004

Right Option Id : 31003

Question 64

The law of gravitation gives the gravitational force between

Answer :

(A) any two bodies having some mass

(B) the earth and the sun only.

(C) the earth and a point mass only.

(D) any two charged bodies only.

Question Id : 30

Option Id

30001

30002

30003

30004

Right Answer :

any two bodies having some mass

Right Option Id : 30001**Question 65**

Two objects of different masses falling freely near the surface of moon would

Answer :

- (A) have same velocities at any instant
- (B) undergo a change in their inertia
- (C) have different accelerations.
- (D) experience forces of same magnitude.

Question Id : 29

Option Id

- 29001
- 29002
- 29003
- 29004

Right Answer :

have same velocities at any instant

Right Option Id : 29001**Question 66**Two bodies of masses m and $4m$ are moving with equal kinetic energy. The ratio of the velocities with which they are travelling is.

Answer :

- (A) 3 : 4
- (B) 4 : 5
- (C) 2 : 1
- (D) 1 : 2

Question Id : 28

Option Id

- 28001
- 28002
- 28003
- 28004

Right Answer :

2 : 1

Right Option Id : 28003**Question 67**A girl weighing 400 N climbs a vertical ladder. If the value of g be 10m/s^2 the work done by her after climbing 2m will be.

Answer :

- (A) 2000J
- (B) 800J
- (C) 8000J
- (D) 200J

Question Id : 27

Option Id

- 27001
- 27002
- 27003
- 27004

Right Answer :

800J

Right Option Id : 27002**Question 68**

The sum of the kinetic and potential energies of an object is called.

Answer :

- (A) Chemical energy
- (B) Heat energy
- (C) Mechanical energy
- (D) Conservation of energy

Question Id : 26

Option Id

- 26001
- 26002
- 26003
- 26004

Right Answer :

Mechanical energy

Right Option Id : 26003

Question 69

An object is falling freely from a height x . After it has fallen to a height $x/2$, it will possess.

Answer :

- (A) only potential energy
- (B) half potential and half kinetic energy
- (C) less potential and more kinetic energy
- (D) only kinetic energy

Right Answer :

half potential and half kinetic energy

Question Id : 25

Option Id

- 25001
- 25002
- 25003
- 25004

Right Option Id : 25002**Question 70**

A solid of density 900 kg/m^3 floats in oil. The oil floats on water of density 1000 kg/m^3 . The density of oil in kg/m^3 could be.

Answer :

- (A) 950
- (B) 850
- (C) 800
- (D) 1050

Right Answer :

950

Question Id : 24

Option Id

- 24001
- 24002
- 24003
- 24004

Right Option Id : 24001**Question 71**

A liquid whose density is twice the density of mercury is used as a barometric liquid. Then one atmospheric pressure equals ----- cm of the liquid pressure.

Answer :

- (A) 380
- (B) 152
- (C) 76
- (D) 38

Right Answer :

38

Question Id : 23

Option Id

- 23001
- 23002
- 23003
- 23004

Right Option Id : 23004**Question 72**

In the case of liquids that do not wet the walls of the vessel

Answer :

- (A) Adhesive forces are larger than cohesive forces.
- (B) Cohesive forces are larger than adhesive forces.
- (C) Both adhesive and cohesive forces are equal in magnitude
- (D) None of the above.

Right Answer :

Cohesive forces are larger than adhesive forces.

Question Id : 22

Option Id

- 22001
- 22002
- 22003
- 22004

Right Option Id : 22002**Question 73**

If the speed of a sound wave is 340 m/s and its frequency is 1700 Hz , then wavelength (λ) for this wave in cm will be

Question Id : 74

Answer :

- (A) 2
(B) 20
(C) 200
(D) 0.2

Option Id

- 74001
 74002
 74003
 74004

Right Answer :
20**Right Option Id : 74002****Question 74**

The amount of sound energy passing each second through unit area is called the ----- of sound.

Answer :

- (A) Loudness
(B) Intensity
(C) Audible Range
(D) Reverberation

Question Id : 20

Option Id

- 20001
 20002
 20003
 20004

Right Answer :
Intensity**Right Option Id : 20002****Question 75**

The term Monsoon is derived from which language?

Answer :

- (A) English
(B) Hindi
(C) Arabic
(D) Urdu

Question Id : 75

Option Id

- 75001
 75002
 75003
 75004

Right Answer :
Arabic**Right Option Id : 75003****Question 76**

Which type of soil is found in eastern part of Deltaic region?

Answer :

- (A) Black Soil
(B) Red Soil
(C) Sandy Soil
(D) Alluvial Soil

Question Id : 78

Option Id

- 78001
 78002
 78003
 78004

Right Answer :
Alluvial Soil**Right Option Id : 78004****Question 77**

Which of the following place receives highest rainfall in the world?

Answer :

- (A) Gwahati
(B) Mawsynram

Question Id : 92

Option Id

- 92001
 92002

- (C) Kolkata 92003
- (D) Shimla 92004

Right Answer :
Mawsynram

Right Option Id : 92002

Question 78

Which of the following is the chief role of Ozone Layer?

Answer :

- (A) To reduce Ultraviolet rays
- (B) To decrease the volume of oxygen
- (C) To increase the volume of nitrogen
- (D) None of these

Right Answer :
To reduce Ultraviolet rays

Question Id : 93

Option Id

- 93001
- 93002
- 93003
- 93004

Right Option Id : 93001

Question 79

What is the percentage of Nitrogen in the atmosphere of the Air?

Answer :

- (A) 10%
- (B) 20%
- (C) 40%
- (D) 78.08%

Right Answer :
78.08%

Question Id : 94

Option Id

- 94001
- 94002
- 94003
- 94004

Right Option Id : 94004

Question 80

Which of the following part of human body is severely affected by air pollution?

Answer :

- (A) Brain
- (B) Kidney
- (C) Lungs
- (D) None of these

Right Answer :
Lungs

Question Id : 97

Option Id

- 97001
- 97002
- 97003
- 97004

Right Option Id : 97003

Question 81

Who was the leader of Chipko movement?

Answer :

- (A) Sunder Lal Bahuguna
- (B) Mahesh Lal Bahuguna
- (C) Shyam Lal Bahuguna
- (D) Rita Bahuguna

Question Id : 96

Option Id

- 96001
- 96002
- 96003
- 96004

Right Answer :
Sunder Lal Bahuguna

Right Option Id : 96001

Question 82

Which commission/summit gave the concept of sustainable development for the first time?

Answer :

- (A) Brundtland Commission
- (B) First Earth summit
- (C) Kyoto summit
- (D) None of these

Question Id : 91

Option Id

- 91001
- 91002
- 91003
- 91004

Right Answer :
Brundtland Commission

Right Option Id : 91001

Question 83

Bombay High is known for the production of?

Answer :

- (A) Steel
- (B) Coal
- (C) Gold
- (D) Petroleum

Question Id : 98

Option Id

- 98001
- 98002
- 98003
- 98004

Right Answer :
Petroleum

Right Option Id : 98004

Question 84

Which of the following is the source of non - renewable energy?

Answer :

- (A) Forest
- (B) Wind
- (C) Coal
- (D) Trees

Question Id : 99

Option Id

- 99001
- 99002
- 99003
- 99004

Right Answer :
Coal

Right Option Id : 99003

Question 85

Which of the following is used for the production of Nuclear energy?

Answer :

- (A) Coal
- (B) Petroleum
- (C) Sodium
- (D) Uranium

Question Id : 100

Option Id

- 100001
- 100002
- 100003
- 100004

Right Answer :
Uranium

Right Option Id : 100004

Question 86

Salal Hydel Power Project is located in which state of India?

Answer :

- (A) Himachal Pradesh
- (B) Punjab
- (C) Bihar
- (D) Kashmir

Right Answer :

Kashmir

Question Id : 95

Option Id

- 95001
- 95002
- 95003
- 95004

Right Option Id : 95004**Question 87**

What is the commercial unit of electric energy?

Answer :

- (A) Watt
- (B) Watt/hour
- (C) Unit
- (D) None of these

Right Answer :

Unit

Question Id : 90

Option Id

- 90001
- 90002
- 90003
- 90004

Right Option Id : 90003**Question 88**

What is S.I unit of electric power?

Answer :

- (A) Kilowatt
- (B) Watt
- (C) Ampere
- (D) Joule

Right Answer :

Watt

Question Id : 77

Option Id

- 77001
- 77002
- 77003
- 77004

Right Option Id : 77002**Question 89**

S.I unit of electric resistivity is

Answer :

- (A) ohm
- (B) ohm/metre
- (C) volt/metre
- (D) ohm-metre

Right Answer :

ohm-metre

Question Id : 88

Option Id

- 88001
- 88002
- 88003
- 88004

Right Option Id : 88004**Question 90**

What is the electric current received from the battery ?

Answer :

- (A) AC

Question Id : 87

Option Id

- 87001

(B) DC

87002

(C) AC and DC

87003

(D) None of these

87004

Right Answer :

DC

Right Option Id : 87002

Question 91

The negative electrode in a dry cell is made of

Answer :

(A) Copper

(B) Carbon

(C) Zinc

(D) None of these

Right Answer :

Zinc

Question Id : 89

Option Id

89001

89002

89003

89004

Right Option Id : 89003

Question 92

In dynamo

Answer :

(A) Mechanical energy into electric energy

(B) Electric energy into mechanical energy

(C) Chemical energy into electric energy

(D) None of these

Right Answer :

Mechanical energy into electric energy

Question Id : 86

Option Id

86001

86002

86003

86004

Right Option Id : 86001

Question 93

Which material's rod is usually used to make electromagnet?

Answer :

(A) Steel

(B) Brass

(C) Soft iron

(D) None of these

Right Answer :

Soft iron

Question Id : 85

Option Id

85001

85002

85003

85004

Right Option Id : 85003

Question 94

There are 20 divisions between 0 and 20 on a meter scale. Its least count is?

Answer :

(A) 0.1 A

(B) 0.01A

(C) 0.2A

Question Id : 84

Option Id

84001

84002

84003

(D) 0.02A

84004

Right Answer :

0.1 A

Right Option Id : 84001

Question 95

To measure the potential difference between two points in an electric circuit, what is used ?

Answer :

(A) Ammeter

(B) Voltmeter

(C) Galvanometer

(D) Plug key

Question Id : 76

Option Id

76001

76002

76003

76004

Right Answer :

Voltmeter

Right Option Id : 76002

Question 96

How does the sky appear to an astronaut ?

Answer :

(A) Dark (Black)

(B) Blue

(C) Red

(D) None of these

Question Id : 83

Option Id

83001

83002

83003

83004

Right Answer :

Dark (Black)

Right Option Id : 83001

Question 97

Oiled paper is

Answer :

(A) Transparent

(B) Opaque

(C) Translucent

(D) None of these

Question Id : 82

Option Id

82001

82002

82003

82004

Right Answer :

Translucent

Right Option Id : 82003

Question 98

Which lens is also called diverging lens?

Answer :

(A) Concave lens

(B) convex lens.

(C) Both concave and convex lens

(D) None

Question Id : 81

Option Id

81001

81002

81003

81004

Right Answer :

Concave lens

Right Option Id : 81001

Question 99

How many laws of reflection of light are there?

Answer :

- (A) 1
(B) 2
(C) 3
(D) 4

Question Id : 80

Option Id

- 80001
 80002
 80003
 80004

Right Answer :

3

Right Option Id : 80003**Question 100**

Unit of power of lens is -

Answer :

- (A) Diopter
(B) meter
(C) centimetre
(D) kilometre

Question Id : 79

Option Id

- 79001
 79002
 79003
 79004

Right Answer :

Diopter

Right Option Id : 79001**Art Of Teaching****Question 101**

One of them is not a teaching technique

Answer :

- (A) Drilling
(B) kindergarten
(C) Illustration
(D) Dramatisation

Question Id : 120

Option Id

- 120001
 120002
 120003
 120004

Right Answer :

kindergarten

Right Option Id : 120002**Question 102**

Classical Conditioning is

Answer :

- (A) Associative learning
(B) autonomous learning
(C) cooperative learning
(D) collaborative learning

Question Id : 121

Option Id

- 121001
 121002
 121003
 121004

Right Answer :

Associative learning

Right Option Id : 121001

Question 103

The effective method of teaching is

Answer :

- (A) Dramatisation cum lectures
- (B) traditional lectures
- (C) Interactive lectures
- (D) none of these

Right Answer :

Interactive lectures

Question Id : 125

Option Id

- 125001
- 125002
- 125003
- 125004

Right Option Id : 125003**Question 104**

Objectives can be made challenging by changing the

Answer :

- (A) Verb
- (B) Adverb
- (C) Noun
- (D) Adjectives

Right Answer :

Verb

Question Id : 123

Option Id

- 123001
- 123002
- 123003
- 123004

Right Option Id : 123001**Question 105**

Synthesis is to

Answer :

- (A) Create new ideas
- (B) create new things
- (C) create a unique product
- (D) all the above

Right Answer :

all the above

Question Id : 124

Option Id

- 124001
- 124002
- 124003
- 124004

Right Option Id : 124004**Question 106**

Team teaching is working together of

Answer :

- (A) Two or more teachers
- (B) two or more students
- (C) teachers and students
- (D) none of these

Right Answer :

Two or more teachers

Question Id : 119

Option Id

- 119001
- 119002
- 119003
- 119004

Right Option Id : 119001**Question 107**

Authoritarian teaching is

Answer :

- (A) child centered

Question Id : 117

Option Id

- 117001

(B) teacher centered

117002

(C) Experience centered

117003

(D) none

117004

Right Answer :
teacher centered

Right Option Id : 117002

Question 108

Question Id : 126

Method give training in

Answer :

Option Id

(A) constructive thinking

126001

(B) reasoning

126002

(C) critical judgement

126003

(D) all of these

126004

Right Answer :
all of these

Right Option Id : 126004

Question 109

Question Id : 127

One of them is the five principles of Merrill model

Answer :

Option Id

(A) Activation

127001

(B) Assessment

127002

(C) Analysis

127003

(D) Achievement

127004

Right Answer :
Activation

Right Option Id : 127001

Question 110

Question Id : 128

In ADDIE model A stands for

Answer :

Option Id

(A) Analysis

128001

(B) Achievement

128002

(C) Assessment

128003

(D) Application

128004

Right Answer :
Analysis

Right Option Id : 128001

Question 111

Question Id : 129

Which of the following are not skill of oniwteaching?

Answer :

Option Id

(A) Probing question skill

129001

(B) Drawing skill

129002

(C) Blackboard skill

129003

(D) None of above

129004

Right Answer :

Drawing skill

Right Option Id : 129002**Question 112**

Can be done by training

Answer :

- (A) Development of skills
- (B) Development of healthy habits
- (C) Creation of artificial behaviour
- (D) None of the above

Question Id : 108

Option Id

- 108001
- 108002
- 108003
- 108004

Right Answer :

Development of skills

Right Option Id : 108001**Question 113**

Why is teachersa training necessary?

Answer :

- (A) Increase teaching skills
- (B) Understant school organization
- (C) Both A & B
- (D) None of these

Question Id : 130

Option Id

- 130001
- 130002
- 130003
- 130004

Right Answer :

Increase teaching skills

Right Option Id : 130001**Question 114**

Which of the following methods can be used quite frequently in classroom?

Answer :

- (A) Case study
- (B) Observation
- (C) Experimental
- (D) None of the above

Question Id : 122

Option Id

- 122001
- 122002
- 122003
- 122004

Right Answer :

Observation

Right Option Id : 122002**Question 115**

Which type of classroom environment is more friendly for a child's learning?

Answer :

- (A) Dysfunctional classroom environment
- (B) Teacher friendly classroom evnironment
- (C) Physcial environment of the classroom
- (D) None of the above

Question Id : 118

Option Id

- 118001
- 118002
- 118003
- 118004

Right Answer :

Dysfunctional classroom environment

Right Option Id : 118001

Question 116

What is the use of text book in class?

Answer :

- (A) To explain ideas & thought
- (B) To achieve learning objectives
- (C) To delimit what is to be taught
- (D) None of these

Right Answer :

To achieve learning objectives

Question Id : 115

Option Id

- 115001
- 115002
- 115003
- 115004

Right Option Id : 115002**Question 117**

Which of the following statement is not true?

Answer :

- (A) Through the text book, the memory power of the student is developed
- (B) Through the text book, reasoning power of the student is developed
- (C) Textbooks distract students from studies.
- (D) None of these

Right Answer :

Textbooks distract students from studies.

Question Id : 116

Option Id

- 116001
- 116002
- 116003
- 116004

Right Option Id : 116003**Question 118**

The criteria for teacher effectiveness are-

Answer :

- (A) Ability
- (B) Product
- (C) Process
- (D) All of the above

Right Answer :

All of the above

Question Id : 101

Option Id

- 101001
- 101002
- 101003
- 101004

Right Option Id : 101004**Question 119**

The primary responsibility for the teacher's adjustment

Answer :

- (A) with the children
- (B) with the principal
- (C) the teacher himself
- (D) None of these

Right Answer :

the teacher himself

Question Id : 102

Option Id

- 102001
- 102002
- 102003
- 102004

Right Option Id : 102003**Question 120**

Characteristics of teacher centre method are-

Answer :

Option Id

Question Id : 104

- (A) Formality 104001
- (B) Teacher's sovereignty 104002
- (C) Ignoring new technology 104003
- (D) All of the above 104004

Right Answer :
All of the above

Right Option Id : 104004

Question 121

A good evaluation does not have-

Answer :

- (A) Validity
- (B) Reliability
- (C) Objectivity
- (D) Subjectivity

Right Answer :
Subjectivity

Question Id : 105

Option Id

- 105001
- 105002
- 105003
- 105004

Right Option Id : 105004

Question 122

The Matriculation examination conducted by Bihar School Examination Board is of _____ type.

Answer :

- (A) External examination
- (B) Criterion referenced Evaluation
- (C) summative evaluation
- (D) All of the above

Right Answer :
All of the above

Question Id : 106

Option Id

- 106001
- 106002
- 106003
- 106004

Right Option Id : 106004

Question 123

What type of evaluation is grading system?

Answer :

- (A) Absolute evaluation
- (B) Relative evaluation
- (C) Both of the above
- (D) None of the above

Right Answer :
Both of the above

Question Id : 107

Option Id

- 107001
- 107002
- 107003
- 107004

Right Option Id : 107003

Question 124

The outline of the content is-

Answer :

- (A) Curriculum
- (B) Syllabus
- (C) Lesson

Question Id : 103

Option Id

- 103001
- 103002

103003

(D) Unit

 103004**Right Answer :**
Syllabus**Right Option Id : 103002****Question 125**

Transmission of values, norms and beliefs conveyed in the classroom atmosphere is-

Answer :

- (A) Core curriculum
- (B) Hidden curriculum
- (C) Content Curriculum
- (D) None of the above

Question Id : 109

Option Id

 109001 109002 109003 109004**Right Answer :**
Hidden curriculum**Right Option Id : 109002****Question 126**

The psychological factor influencing Learning is -

Answer :

- (A) The salary of a teacher
- (B) The nature of subject
- (C) Caste of students
- (D) The interest of students

Question Id : 110

Option Id

 110001 110002 110003 110004**Right Answer :**
The interest of students**Right Option Id : 110004****Question 127**

Teaching Learning process is from

Answer :

- (A) simple to complex
- (B) concrete to Abstract
- (C) Known to unknown
- (D) All the above

Question Id : 111

Option Id

 111001 111002 111003 111004**Right Answer :**
All the above**Right Option Id : 111004****Question 128**

Which of these is not a factor affecting teaching-learning

Answer :

- (A) Maturity
- (B) Readiness
- (C) level of aspiration
- (D) Geographical boundary

Question Id : 112

Option Id

 112001 112002 112003 112004

Right Answer :
Geographical boundary

Right Option Id : 112004

Question 129

Mnemonics is-

Answer :

- (A) Theoretical Teaching aid
- (B) Visual teaching aid
- (C) Memory teaching aid
- (D) All of the above

Question Id : 113

Option Id

- 113001
- 113002
- 113003
- 113004

Right Answer :
Memory teaching aid

Right Option Id : 113003

Question 130

Benefits of hands-on-learning are

Answer :

- (A) To learn new skills
- (B) Encourages interaction with nature
- (C) Both of the above
- (D) None of the above

Question Id : 114

Option Id

- 114001
- 114002
- 114003
- 114004

Right Answer :
Both of the above

Right Option Id : 114003

Other Skills

Question 131

Who were associated with the Indian league established in 1875 in Calcutta (now Kolkata) ?

Answer :

- (A) Sisir Kumar Ghosh and Arvindo Ghosh
- (B) Kali Mohan Das and Arvindo Ghosh
- (C) Sisir Kumar Ghosh and Sambhu Charan Mukherjee
- (D) None of these

Question Id : 149

Option Id

- 149001
- 149002
- 149003
- 149004

Right Answer :
Sisir Kumar Ghosh and Sambhu Charan Mukherjee

Right Option Id : 149003

Question 132

Which is the only state in India producing muga silk ?

Answer :

- (A) Assam
- (B) Bihar
- (C) Orissa
- (D) West Bengal

Question Id : 148

Option Id

- 148001
- 148002
- 148003
- 148004

Right Answer :
Assam

Right Option Id : 148001

Question 133

Which among the following is the effect of currency devaluation?

Answer :

- (A) Increase in imports
- (B) decrease in inflation
- (C) increase in exports
- (D) None of the above

Right Answer :

increase in exports

Question Id : 147

Option Id

- 147001
- 147002
- 147003
- 147004

Right Option Id : 147003

Question 134

I It was the first India's Civil Disobedience movement launched by Mahatma Gandhi.

II. It was a protest against the injustice meted out to tenant farmers in Champaran district of Bihar. Which of the above statement(s) is/are correct about Champaran Satyagraha?

Answer :

- (A) Only I
- (B) Only II
- (C) Both I and II
- (D) Neither I nor II

Right Answer :

Both I and II

Question Id : 146

Option Id

- 146001
- 146002
- 146003
- 146004

Right Option Id : 146003

Question 135

Which Union Ministry conducted the 'Mother Tongue Survey of India (MTSI)?

Answer :

- (A) Ministry of Education
- (B) Ministry of Home Affairs
- (C) Ministry of Culture
- (D) Ministry of External Affairs

Right Answer :

Ministry of Home Affairs

Question Id : 145

Option Id

- 145001
- 145002
- 145003
- 145004

Right Option Id : 145002

Question 136

Which of the following gasses are called Greenhouse gasses?

Answer :

- (A) Methane
- (B) Nitrogen
- (C) Carbon dioxide
- (D) Both a and c

Right Answer :

Both a and c

Question Id : 144

Option Id

- 144001
- 144002
- 144003
- 144004

Right Option Id : 144004

Question 137

How many main components are there in integrated waste management?

Question Id : 143

Answer :

- (A) Two
(B) Three
(C) Seven
(D) Eleven

Option Id

- 143001
 143002
 143003
 143004

Right Answer :

Two

Right Option Id : 143001**Question 138**

Which type of farming causes more deforestation?

Answer :

- (A) Subsistence farming
(B) Commercial farming
(C) Mixed farming
(D) Dairy farming

Question Id : 142

Option Id

- 142001
 142002
 142003
 142004

Right Answer :

Subsistence farming

Right Option Id : 142001**Question 139**

The El-Nino Phenomenon occurs in

Answer :

- (A) Atlantic Ocean
(B) Pacific Ocean
(C) Indian Ocean
(D) Arctic Ocean

Question Id : 141

Option Id

- 141001
 141002
 141003
 141004

Right Answer :

Pacific Ocean

Right Option Id : 141002**Question 140**

The Gangetic dolphin belongs to which of the following categories of fauna?

Answer :

- (A) Endangered species
(B) Vulnerable species
(C) Rare species
(D) Extinct species

Question Id : 131

Option Id

- 131001
 131002
 131003
 131004

Right Answer :

Vulnerable species

Right Option Id : 131002**Question 141**

Of the 20 cycles sold by Ajay, average cost of 12 cycles is Rs. 18000. In total he earned Rs. 300000. What was the average cost of remaining cycles?

Answer :

- (A) Rs. 10500
(B) Rs. 7500

Question Id : 139

Option Id

- 139001
 139002

(C) Rs. 9125

 139003

(D) Rs. 9750

 139004**Right Answer :**

Rs. 10500

Right Option Id : 139001**Question 142****Question Id : 138**

Calculate the compound interest on Rs. 4000 for 2 years at 20% per annum when compounded annually.

Answer :

Option Id

(A) 1856.4

 138001

(B) 1756.4

 138002

(C) 1846.4

 138003

(D) 1746.4

 138004**Right Answer :**

1856.4

Right Option Id : 138001**Question 143****Question Id : 137** $11.71 - 0.86 + 1.78 - 9.20 = ?$

Answer :

Option Id

(A) 2.43

 137001

(B) 2.45

 137002

(C) 3.13

 137003

(D) 3.43

 137004**Right Answer :**

3.43

Right Option Id : 137004**Question 144****Question Id : 136**

The sum of two numbers is 156 and their HCF is 13. The numbers of such number pairs is

Answer :

Option Id

(A) 2

 136001

(B) 5

 136002

(C) 4

 136003

(D) 3

 136004**Right Answer :**

2

Right Option Id : 136001**Question 145****Question Id : 135**

If the height of the building and distance from the building foot's to a point is increased by 20%, then the angle of elevation on the top of the building:

Answer :

Option Id

(A) Increases

 135001

(B) Decreases

 135002

(C) Do not change

 135003

(D) None of the above

 135004

Right Answer :

Do not change

Right Option Id : 135003**Question 146**

Umbrage : Offense :: Elation : ?

Answer :

- (A) Decoration
(B) Penance
(C) Jubilance
(D) Meaning

Question Id : 134

Option Id

- 134001
 134002
 134003
 134004

Right Answer :

Jubilance

Right Option Id : 134003**Question 147**

Choose the word which is least like the other words in the group

Answer :

- (A) Fir
(B) Tail
(C) Trunk
(D) Feather

Question Id : 133

Option Id

- 133001
 133002
 133003
 133004

Right Answer :

Fir

Right Option Id : 133001**Question 148**

7,11,13,17, 19, __

Answer :

- (A) 21
(B) 29
(C) 23
(D) 31

Question Id : 132

Option Id

- 132001
 132002
 132003
 132004

Right Answer :

23

Right Option Id : 132003**Question 149**

If SPIDER is written as PSDIRE in a certain code, how would COMMON be written in that code?

Answer :

- (A) OCMMON
(B) OCMOMN
(C) OCMMNO
(D) OCOMMO

Question Id : 140

Option Id

- 140001
 140002
 140003
 140004

Right Answer :

OCMMNO

Right Option Id : 140003

Question 150

Introducing a man, a woman said, "His wife is the only daughter of my father". How is that man related to the woman?

Answer :

- (A) Brother
- (B) Father-in-law
- (C) Maternal Uncle
- (D) Husband

Right Answer :

Husband

Question Id : 150

Option Id

- 150001
- 150002
- 150003
- 150004

Right Option Id : 150004