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# **Bihar STET**

**Previous Year Paper**  
**TGT (Science)**  
**08 Sept, 2023 Shift 1**



QUESTION PAPER  
Madhyamic Science [SHIFT - 1]

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

Right Answer :  
Soil fertility

Question Id : 52

Option Id

- ☐ 52001
- ☐ 52002
- ☐ 52003
- ☐ 52004

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)  $\text{Ca}(\text{OH})_2, \text{Ca}(\text{OH})_2$

Right Answer :  
 $\text{Mg}(\text{OH})_2, \text{Mg}(\text{OH})_2$

Question Id : 51

Option Id

- ☐ 51001
- ☐ 51002
- ☐ 51003
- ☐ 51004

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

Right Answer :  
Oxalic acid

Question Id : 50

Option Id

- ☐ 50001
- ☐ 50002
- ☐ 50003
- ☐ 50004

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

Right Answer :  
Tartaric acid

Question Id : 49

Option Id

- ☐ 49001
- ☐ 49002
- ☐ 49003
- ☐ 49004

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

Right Option Id : 43002

Question Id : 43

Option Id

43001

43002

43003

43004

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

Right Option Id : 42004

Question Id : 42

Option Id

42001

42002

42003

42004

Question 16

Which of the following is the IUPAC name of C<sub>2</sub>H<sub>5</sub>OH ?

Answer :

(A) Ethanol

(B) Propanol,

(C) Methenol,

(D) Butanol,

Right Answer :  
Ethanol

Right Option Id : 41001

Question Id : 41

Option Id

41001

41002

41003

41004

Question 17

The given hydrocarbon is CH<sub>3</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>3</sub>

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) CO<sub>2</sub>  
(B) H<sub>2</sub>,  
(C) O<sub>2</sub>,  
(D) N<sub>2</sub>,

**Right Answer :**  
H<sub>2</sub>,

**Question Id : 57**  
  
Option Id  
☐ 57001  
☐ 57002  
☐ 57003  
☐ 57004

**Right Option Id : 57002**

**Question 19**  
How many covalent bands are there with molecular formula C<sub>4</sub>H<sub>10</sub> ?  
**Answer :**  
(A) 10 Covalent bonds  
(B) 13 Covalent bonds,  
(C) 9 Covalent bonds,  
(D) 8 Covalent bonds,

**Right Answer :**  
13 Covalent bonds,

**Question Id : 58**  
  
Option Id  
☐ 58001  
☐ 58002  
☐ 58003  
☐ 58004

**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.,

**Right Answer :**  
The rate of evaporation decreases with increase in humidity.,

**Question Id : 67**  
  
Option Id  
☐ 67001  
☐ 67002  
☐ 67003  
☐ 67004

**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,

**Right Answer :**  
Glass,

**Question Id : 73**  
  
Option Id  
☐ 73001  
☐ 73002  
☐ 73003  
☐ 73004

**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 :

Question Id : 68

Option Id



- (A) high pressure, low temperature,

(B) low pressure, high temperature,

(C) low pressure low temperature,

(D) None of these.
- ☐ 68001

☐ 68002

☐ 68003

☐ 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

(B) Linear

(C) circular

(D) vibratory
- Question Id : 66**  
**Option Id**

☐ 66001

☐ 66002

☐ 66003

☐ 66004

**Right Answer :**  
Random

**Right Option Id : 66001**

- Question 28**  
Butter is separated from milk by -  
**Answer :**

(A) by fractional distillation

(B) by sublimation

(C) by sub concentration method

(D) by magnetic separation,
- Question Id : 59**  
**Option Id**

☐ 59001

☐ 59002

☐ 59003

☐ 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

(B) hydrogen

(C) oxygen

(D) uranium
- Question Id : 65**  
**Option Id**

☐ 65001

☐ 65002

☐ 65003

☐ 65004

**Right Answer :**  
hydrogen

**Right Option Id : 65002**

- Question 30**  
By which method salt is obtained from sea water?  
**Answer :**

(A) evaporation

(B) tremble (precipitate)

(C) strain
- Question Id : 64**  
**Option Id**

☐ 64001

☐ 64002

☐ 64003

☐ 64004

(D) to pick up

**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**

$\alpha$  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

**Right Answer :**  
Composting

**Question Id : 8**

- Option Id
- ☐ 8001
  - ☐ 8002
  - ☐ 8003
  - ☐ 8004

**Right Option Id : 8001**

**Question 49**  
Which of the following is the cause of depletion in the Ozone layer ?  
**Answer :**

- (A) CO<sub>2</sub>
- (B) Nitrous oxide
- (C) Methane
- (D) Chlorofluro carbon

**Right Answer :**  
Chlorofluro carbon

**Question Id : 7**

- Option Id
- ☐ 7001
  - ☐ 7002
  - ☐ 7003
  - ☐ 7004

**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

**Right Answer :**  
Conservation of natural resources

**Question Id : 6**

- Option Id
- ☐ 6001
  - ☐ 6002
  - ☐ 6003
  - ☐ 6004

**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

**Right Answer :**  
Both 'A' and 'B'

**Question Id : 5**

- Option Id
- ☐ 5001
  - ☐ 5002
  - ☐ 5003
  - ☐ 5004

**Right Option Id : 5003**

Question 52

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

Answer :

- (A) CO<sub>2</sub>
- (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

(B) Menarche

(C) Pregnancy

(D) Delivery

Right Answer :  
Menopause

Option Id

19001

19002

19003

19004

Right Option Id : 19001

Question 57

Who is the father of genetics ?

Answer :

(A) Charles Darwin

(B) Gregor Johan Mendel

(C) Robert Hook

(D) James Watson

Right Answer :  
Gregor Johan Mendel

Question Id : 21

Option Id

21001

21002

21003

21004

Right Option Id : 21002

Question 58

Mendel selected which of the following traits for his studies?

Answer :

(A) Stem length, flower position

(B) Flower colour, seed shape

(C) Colour of pod, colour of seed

(D) all of these

Right Answer :  
all of these

Question Id : 36

Option Id

36001

36002

36003

36004

Right Option Id : 36004

Question 59

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

Answer :

(A) two individuals of a same species

(B) two individuals of a same genus

(C) two individuals of a same order

(D) two individuals of a same family

Right Answer :  
two individuals of a same species

Question Id : 35

Option Id

35001

35002

35003

35004

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

(B) greater than 1

Question Id : 34

Option Id

34001

34002



(C) Less than 1 or equal to 1

(D) equal to 1 or more than 1

34003

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 <sup>2</sup>

(B) 2m/s <sup>2</sup>

(C) 3.6m/s <sup>2</sup>

(D) 1m/s <sup>2</sup>

Question Id : 33

Option Id

33001

33002

33003

33004

Right Answer :  
1m/s <sup>2</sup>

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

Question Id : 32

Option Id

32001

32002

32003

32004

Right Answer :  
Newton's first law of motion

Right Option Id : 32001

Question 63

The rockets work on the principle of conservation of

Answer :

(A) mass

(B) energy

(C) momentum

(D) velocity

Question Id : 31

Option Id

31001

31002

31003

31004

Right Answer :  
momentum

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<sup>2</sup> 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  $900 \text{ kg/m}^3$  floats in oil. The oil floats on water of density  $1000 \text{ kg/m}^3$ . The density of oil in  $\text{kg/m}^3$  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  $340 \text{ m/s}$  and its frequency is  $1700 \text{ Hz}$ , then wavelength ( $\lambda$ ) 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	<input type="radio"/> 92003
(D) Shimla	<input type="radio"/> 92004
<b>Right Answer :</b> Mawsynram	<b>Right Option Id : 92002</b>

<b>Question 78</b> Which of the following is the chief role of Ozone Layer? <b>Answer :</b> (A) To reduce Ultraviolet rays (B) To decrease the volume of oxygen (C) To increase the volume of nitrogen (D) None of these	<b>Question Id : 93</b>  Option Id <input type="radio"/> 93001 <input type="radio"/> 93002 <input type="radio"/> 93003 <input type="radio"/> 93004
<b>Right Answer :</b> To reduce Ultraviolet rays	<b>Right Option Id : 93001</b>

<b>Question 79</b> What is the percentage of Nitrogen in the atmosphere of the Air? <b>Answer :</b> (A) 10% (B) 20% (C) 40% (D) 78.08%	<b>Question Id : 94</b>  Option Id <input type="radio"/> 94001 <input type="radio"/> 94002 <input type="radio"/> 94003 <input type="radio"/> 94004
<b>Right Answer :</b> 78.08%	<b>Right Option Id : 94004</b>

<b>Question 80</b> Which of the following part of human body is severely affected by air pollution? <b>Answer :</b> (A) Brain (B) Kidney (C) Lungs (D) None of these	<b>Question Id : 97</b>  Option Id <input type="radio"/> 97001 <input type="radio"/> 97002 <input type="radio"/> 97003 <input type="radio"/> 97004
<b>Right Answer :</b> Lungs	<b>Right Option Id : 97003</b>

<b>Question 81</b> Who was the leader of Chipko movement? <b>Answer :</b> (A) Sunder Lal Bahuguna (B) Mahesh Lal Bahuguna (C) Shyam Lal Bahuguna (D) Rita Bahuguna	<b>Question Id : 96</b>  Option Id <input type="radio"/> 96001 <input type="radio"/> 96002 <input type="radio"/> 96003 <input type="radio"/> 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

**Right Answer :**  
Brundtland Commission

**Question Id : 91**

- Option Id
- ☐ 91001
  - ☐ 91002
  - ☐ 91003
  - ☐ 91004

**Right Option Id : 91001**

**Question 83**  
Bombay High is known for the production of?  
**Answer :**

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

**Right Answer :**  
Petroleum

**Question Id : 98**

- Option Id
- ☐ 98001
  - ☐ 98002
  - ☐ 98003
  - ☐ 98004

**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

**Right Answer :**  
Coal

**Question Id : 99**

- Option Id
- ☐ 99001
  - ☐ 99002
  - ☐ 99003
  - ☐ 99004

**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

**Right Answer :**  
Uranium

**Question Id : 100**

- Option Id
- ☐ 100001
  - ☐ 100002
  - ☐ 100003
  - ☐ 100004

**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

(C) AC and DC

(D) None of these

☐ 87002

☐ 87003

☐ 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

Question Id : 89

Option Id  
☐ 89001  
☐ 89002  
☐ 89003  
☐ 89004

Right Answer :  
Zinc

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

Question Id : 86

Option Id  
☐ 86001  
☐ 86002  
☐ 86003  
☐ 86004

Right Answer :  
Mechanical energy into electric energy

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

Question Id : 85

Option Id  
☐ 85001  
☐ 85002  
☐ 85003  
☐ 85004

Right Answer :  
Soft iron

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

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(D) 0.02A	<input type="radio"/> 84004
<b>Right Answer :</b> 0.1 A	<b>Right Option Id : 84001</b>
<b>Question 95</b> To measure the potential difference between two points in an electric circuit, what is used ? <b>Answer :</b> (A) Ammeter (B) Voltmeter (C) Galvanometer (D) Plug key	<b>Question Id : 76</b>  Option Id <input type="radio"/> 76001 <input type="radio"/> 76002 <input type="radio"/> 76003 <input type="radio"/> 76004  <b>Right Answer :</b> Voltmeter <b>Right Option Id : 76002</b>
<b>Question 96</b> How does the sky appear to an astronaut ? <b>Answer :</b> (A) Dark (Black) (B) Blue (C) Red (D) None of these	<b>Question Id : 83</b>  Option Id <input type="radio"/> 83001 <input type="radio"/> 83002 <input type="radio"/> 83003 <input type="radio"/> 83004  <b>Right Answer :</b> Dark (Black) <b>Right Option Id : 83001</b>
<b>Question 97</b> Oiled paper is <b>Answer :</b> (A) Transparent (B) Opaque (C) Translucent (D) None of these	<b>Question Id : 82</b>  Option Id <input type="radio"/> 82001 <input type="radio"/> 82002 <input type="radio"/> 82003 <input type="radio"/> 82004  <b>Right Answer :</b> Translucent <b>Right Option Id : 82003</b>
<b>Question 98</b> Which lens is also called diverging lens? <b>Answer :</b> (A) Concave lens (B) convex lens. (C) Both concave and convex lens (D) None	<b>Question Id : 81</b>  Option Id <input type="radio"/> 81001 <input type="radio"/> 81002 <input type="radio"/> 81003 <input type="radio"/> 81004  <b>Right Answer :</b> Concave lens <b>Right Option Id : 81001</b>

Question 99

How many laws of reflection of light are there?

Answer :

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

Right Answer :  
3

Question Id : 80

Option Id

- ☐ 80001
- ☐ 80002
- ☐ 80003
- ☐ 80004

Right Option Id : 80003

Question 100

Unit of power of lens is -

Answer :

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

Right Answer :  
Diopter

Question Id : 79

Option Id

- ☐ 79001
- ☐ 79002
- ☐ 79003
- ☐ 79004

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

Right Answer :  
kindergarten

Question Id : 120

Option Id

- ☐ 120001
- ☐ 120002
- ☐ 120003
- ☐ 120004

Right Option Id : 120002

Question 102

Classical Conditioning is

Answer :

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

Right Answer :  
Associative learning

Question Id : 121

Option Id

- ☐ 121001
- ☐ 121002
- ☐ 121003
- ☐ 121004

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

Method give training in

Answer :

(A) constructive thinking

(B) reasoning

(C) critical judgement

(D) all of these

Question Id : 126

Option Id

126001

126002

126003

126004

Right Answer :  
all of these

Right Option Id : 126004

Question 109

One of them is the five principles of Merrill model

Answer :

(A) Activation

(B) Assessment

(C) Analysis

(D) Achievement

Question Id : 127

Option Id

127001

127002

127003

127004

Right Answer :  
Activation

Right Option Id : 127001

Question 110

In ADDIE model A stands for

Answer :

(A) Analysis

(B) Achievement

(C) Assessment

(D) Application

Question Id : 128

Option Id

128001

128002

128003

128004

Right Answer :  
Analysis

Right Option Id : 128001

Question 111

Which of the following are not skill of oniwteaching?

Answer :

(A) Probing question skill

(B) Drawing skill

(C) Blackboard skill

(D) None of above

Question Id : 129

Option Id

129001

129002

129003

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

Right Answer :  
Development of skills

Question Id : 108

Option Id

☐ 108001

☐ 108002

☐ 108003

☐ 108004

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

Right Answer :  
Increase teaching skills

Question Id : 130

Option Id

☐ 130001

☐ 130002

☐ 130003

☐ 130004

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

Right Answer :  
Observation

Question Id : 122

Option Id

☐ 122001

☐ 122002

☐ 122003

☐ 122004

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

Right Answer :  
Dysfunctional classroom environment

Question Id : 118

Option Id

☐ 118001

☐ 118002

☐ 118003

☐ 118004

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 :

Question Id : 104

Option Id

(A) Formality

(B) Teacher's sovereignty

(C) Ignoring new technology

(D) All of the above

104001

104002

104003

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

Question Id : 105

Option Id

105001

105002

105003

105004

Right Answer :  
Subjectivity

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

Question Id : 106

Option Id

106001

106002

106003

106004

Right Answer :  
All of the above

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

Question Id : 107

Option Id

107001

107002

107003

107004

Right Answer :  
Both of the above

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
- ☐ 103004

(D) Unit

**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

**Right Answer :**  
Hidden curriculum

**Question Id : 109**

Option Id

- ☐ 109001
- ☐ 109002
- ☐ 109003
- ☐ 109004

**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

**Right Answer :**  
The interest of students

**Question Id : 110**

Option Id

- ☐ 110001
- ☐ 110002
- ☐ 110003
- ☐ 110004

**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

**Right Answer :**  
All the above

**Question Id : 111**

Option Id

- ☐ 111001
- ☐ 111002
- ☐ 111003
- ☐ 111004

**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**

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

**Answer :**

(A) 1856.4

(B) 1756.4

(C) 1846.4

(D) 1746.4

**Right Answer :**  
1856.4

**Question Id : 138**

Option Id

☐ 138001

☐ 138002

☐ 138003

☐ 138004

**Right Option Id : 138001**

**Question 143**

$11.71 - 0.86 + 1.78 - 9.20 = ?$

**Answer :**

(A) 2.43

(B) 2.45

(C) 3.13

(D) 3.43

**Right Answer :**  
3.43

**Question Id : 137**

Option Id

☐ 137001

☐ 137002

☐ 137003

☐ 137004

**Right Option Id : 137004**

**Question 144**

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

**Answer :**

(A) 2

(B) 5

(C) 4

(D) 3

**Right Answer :**  
2

**Question Id : 136**

Option Id

☐ 136001

☐ 136002

☐ 136003

☐ 136004

**Right Option Id : 136001**

**Question 145**

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 :**

(A) Increases

(B) Decreases

(C) Do not change

(D) None of the above

**Question Id : 135**

Option Id

☐ 135001

☐ 135002

☐ 135003

☐ 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**



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