

**QUESTION PAPER**  
**Technical Assistant (Para Medical) - Pharmacist [SHIFT - 1]**

Exam Date : 06/09/2023

Time : 09:30 AM - 12:30 PM

**SECTION 1**

**Question 1**

A shrinkage of the cell size is known as \_\_\_\_.

Answer :

- (A) Hypertrophy
- (B) Atrophy
- (C) Hyperplasia
- (D) Dyslipidemia

**Right Answer :**  
Atrophy

**Question Id : 1**

Option Id

- ☐ 1001
- ☐ 1002
- ☐ 1003
- ☐ 1004

**Right Option Id : 1002**

**Question 2**

Which of the following is an irreversible cellular injury?

Answer :

- (A) Necrosis
- (B) Hypertrophy
- (C) Hyperplasia
- (D) Dyslipidemia

**Right Answer :**  
Necrosis

**Question Id : 24**

Option Id

- ☐ 24001
- ☐ 24002
- ☐ 24003
- ☐ 24004

**Right Option Id : 24001**

**Question 3**

Which of the following is part of middle ear?

Answer :

- (A) Vestibular nerve
- (B) Semicircular cochlea
- (C) Auricular lobule
- (D) Tympanic cavity

**Right Answer :**  
Tympanic cavity

**Question Id : 25**

Option Id

- ☐ 25001
- ☐ 25002
- ☐ 25003
- ☐ 25004

**Right Option Id : 25004**

**Question 4**

Which of the following is a key elements of valid individual case safety report?

Answer :

- (A) At least one patient, adverse event, medicine and reporter
- (B) At least one patient, address, medicine and reporter
- (C) At least one patient, gender, address and reporter
- (D) At least one patient, gender, address and physician

**Question Id : 26**

Option Id

- ☐ 26001
- ☐ 26002
- ☐ 26003
- ☐ 26004

**Right Answer :**

At least one patient, adverse event, medicine and reporter

**Right Option Id : 26001****Question 5**

An assessment of relationship between suspect drug and adverse event is known as which of the following?

**Answer :**

- (A) Aggregate reporting
- (B) Periodic safety update report
- (C) Causality assessment
- (D) Individual case safety report

**Question Id : 27**

Option Id

- ☐ 27001
- ☐ 27002
- ☐ 27003
- ☐ 27004

**Right Answer :**

Causality assessment

**Right Option Id : 27003****Question 6**

Which of the following chemical can be used to experimentally induced hypertension?

**Answer :**

- (A) DOCA salt
- (B) Ovalbumin
- (C) Lipopolysaccharides
- (D) Acetic acid

**Question Id : 28**

Option Id

- ☐ 28001
- ☐ 28002
- ☐ 28003
- ☐ 28004

**Right Answer :**

DOCA salt

**Right Option Id : 28001****Question 7**

Pylorus ligation experimental animal model is used to evaluate which of the following?

**Answer :**

- (A) Anti-hyperlipidemia
- (B) Anti-asthmatic
- (C) Anti-hypertensive
- (D) Anti-peptic ulcer activity

**Question Id : 32**

Option Id

- ☐ 32001
- ☐ 32002
- ☐ 32003
- ☐ 32004

**Right Answer :**

Anti-peptic ulcer activity

**Right Option Id : 32004****Question 8**

Which of the following receptor is G-protein coupled receptor?

**Answer :**

- (A) GABAB receptor
- (B) Nicotinic receptor
- (C) 5-HT-3 receptor
- (D) Insulin receptor

**Question Id : 30**

Option Id

- ☐ 30001
- ☐ 30002
- ☐ 30003
- ☐ 30004

**Right Answer :**

GABAB receptor

**Right Option Id : 30001****Question 9****Question Id : 31**

A finding solution for immediate problem facing by society is called?

Answer :

- (A) Descriptive research
- (B) Fundamental research
- (C) Applied research
- (D) Analytical research

Option Id

- ☐ 31001
- ☐ 31002
- ☐ 31003
- ☐ 31004

**Right Answer :**

Applied research

**Right Option Id : 31003**

**Question 10**

ANOVA is stand for:

Answer :

- (A) Analytical of Variance
- (B) Analytical of Variable
- (C) Analysis of Variance
- (D) Analytical of Verity

**Question Id : 23**

Option Id

- ☐ 23001
- ☐ 23002
- ☐ 23003
- ☐ 23004

**Right Answer :**

Analysis of Variance

**Right Option Id : 23003**

**Question 11**

Which one among the following is not a type of Research Design?

Answer :

- (A) Exploratory
- (B) Descriptive
- (C) Diagnostic
- (D) Analytical research

**Question Id : 33**

Option Id

- ☐ 33001
- ☐ 33002
- ☐ 33003
- ☐ 33004

**Right Answer :**

Analytical research

**Right Option Id : 33004**

**Question 12**

Which among the following is not a type of care provided in hospitals?

Answer :

- (A) Primary care
- (B) Deluxe care
- (C) Secondary care
- (D) Tertiary care

**Question Id : 35**

Option Id

- ☐ 35001
- ☐ 35002
- ☐ 35003
- ☐ 35004

**Right Answer :**

Deluxe care

**Right Option Id : 35002**

**Question 13**

The absorption of the drug A is retarded in presence of drug B is known by which name?

Answer :

- (A) Pharmacodynamic interaction
- (B) Pharmacogenetic interaction

**Question Id : 40**

Option Id

- ☐ 40001

(C) Pharmacokinetic interaction

☐ 40002

(D) None of these

☐ 40003

☐ 40004

**Right Answer :**

Pharmacokinetic interaction

**Right Option Id : 40003**

**Question 14**

Project tracking is necessary to fulfill the given \_\_\_\_\_ as per the initial stage of planning.

**Answer :**

(A) time line

Option Id

☐ 39001

(B) task

☐ 39002

(C) project

☐ 39003

(D) requirement

☐ 39004

**Right Answer :**

time line

**Right Option Id : 39001**

**Question 15**

Which of the following is not a renewable resource in the environment?

**Answer :**

(A) Solar energy

Option Id

☐ 38001

(B) Wind energy

☐ 38002

(C) Coal

☐ 38003

(D) Sunlight

☐ 38004

**Right Answer :**

Coal

**Right Option Id : 38003**

**Question 16**

All the particles of which pass through Sieve No. 10 and not more than 40% pass through Sieve No. 44 is called \_\_\_\_.

**Answer :**

(A) Fine powder

Option Id

☐ 34001

(B) Coarse powder

☐ 34002

(C) Very fine powder

☐ 34003

(D) Moderate fine powder

☐ 34004

**Right Answer :**

Coarse powder

**Right Option Id : 34002**

**Question 17**

Which mixing method is not a mechanism of the powder mixing?

**Answer :**

(A) Convective mixing

Option Id

☐ 36001

(B) Shear mixing

☐ 36002

(C) Diffusive mixing

☐ 36003

(D) Impact mixing

☐ 36004

**Right Answer :**  
Impact mixing

**Right Option Id : 36004**

**Question 18**

An unequal color distribution of the color on the tablet is known as which effect?

Answer :

- (A) Crown
- (B) Cracking
- (C) Mottling
- (D) Sticking

**Question Id : 37**

Option Id

- ☐ 37001
- ☐ 37002
- ☐ 37003
- ☐ 37004

**Right Answer :**  
Mottling

**Right Option Id : 37003**

**Question 19**

Which of the following is not physical parameters those can affect the absorption of the drug?

Answer :

- (A) Solubility of drug
- (B) Particle size of drug
- (C) Lipophilicity of the drug
- (D) Crystal form of drug

**Question Id : 29**

Option Id

- ☐ 29001
- ☐ 29002
- ☐ 29003
- ☐ 29004

**Right Answer :**  
Lipophilicity of the drug

**Right Option Id : 29003**

**Question 20**

A medicinal product, which exclusively contain one or more herbal substances as active ingredients is known by which name?

Answer :

- (A) Herbal medicinal product
- (B) Homeopathy medicinal product
- (C) Allopathic medicinal product
- (D) None of these

**Question Id : 22**

Option Id

- ☐ 22001
- ☐ 22002
- ☐ 22003
- ☐ 22004

**Right Answer :**  
Herbal medicinal product

**Right Option Id : 22001**

**Question 21**

From the following which product is not available over the counter?

Answer :

- (A) Sea food
- (B) Dietary supplements
- (C) Functional food
- (D) Medical food

**Question Id : 2**

Option Id

- ☐ 2001
- ☐ 2002
- ☐ 2003
- ☐ 2004

**Right Answer :**  
Medical food

**Right Option Id : 2004**

**Question 22**

Which among the following is not a dosage form of the cosmetics preparations?

Answer :

- (A) Emulsion
- (B) Ointment
- (C) Powder
- (D) Tablets

**Right Answer :**

Tablets

**Question Id : 20**

Option Id

- ☐ 20001
- ☐ 20002
- ☐ 20003
- ☐ 20004

**Right Option Id : 20004**

**Question 23**

The good manufacturing process is concern with;

Answer :

- (A) Production process only
- (B) Quality control process only
- (C) Production and Quality control
- (D) Ethics committee

**Right Answer :**

Production and Quality control

**Question Id : 3**

Option Id

- ☐ 3001
- ☐ 3002
- ☐ 3003
- ☐ 3004

**Right Option Id : 3003**

**Question 24**

Which among the following is a disadvantage of the instrumental methods of analysis?

Answer :

- (A) Less time required as compare to conventional method
- (B) More sample required as compare to conventional method
- (C) Complex samples can be analyzed
- (D) More accurate and reliable

**Right Answer :**

More sample required as compare to conventional method

**Question Id : 21**

Option Id

- ☐ 21001
- ☐ 21002
- ☐ 21003
- ☐ 21004

**Right Option Id : 21002**

**Question 25**

What is Human Anatomy?

Answer :

- (A) Human anatomy is the study of the functions of body parts
- (B) Human anatomy is the study of the structure of the human body
- (C) Human anatomy is the study of bacteria and viruses
- (D) Human anatomy is the study of disease and its causes

**Right Answer :**

Human anatomy is the study of the structure of the human body

**Question Id : 4**

Option Id

- ☐ 4001
- ☐ 4002
- ☐ 4003
- ☐ 4004

**Right Option Id : 4002**

**Question 26**

What is Human Physiology?

Answer :

**Question Id : 5**

Option Id

- (A) Human physiology is the scientific study of the mind and behavior
- (B) Human physiology is the study of the internal structures of the human body
- (C) Human physiology is the study of the functions of body parts
- (D) Human physiology is the study of microscopic organisms

☐ 5001

☐ 5002

☐ 5003

☐ 5004

**Right Answer :**

Human physiology is the study of the functions of body parts

**Right Option Id : 5003**

**Question 27**

How many bones does an adult human skeleton have?

**Answer :**

- (A) 205
- (B) 207
- (C) 209
- (D) 206

**Question Id : 6**

**Option Id**

☐ 6001

☐ 6002

☐ 6003

☐ 6004

**Right Answer :**

206

**Right Option Id : 6004**

**Question 28**

Choose the correct example of Oxazolidinedione derivative.

**Answer :**

- (A) Phenytoin
- (B) Ethosuximide
- (C) Auricular lobule
- (D) Troxidone

**Question Id : 7**

**Option Id**

☐ 7001

☐ 7002

☐ 7003

☐ 7004

**Right Answer :**

Troxidone

**Right Option Id : 7004**

**Question 29**

Which of the following drug is an example of barbiturate derivate used as general anesthesia?

**Answer :**

- (A) Fluoxetine
- (B) Thiopental sodium
- (C) Haloperidol
- (D) Clonazepam

**Question Id : 8**

**Option Id**

☐ 8001

☐ 8002

☐ 8003

☐ 8004

**Right Answer :**

Thiopental sodium

**Right Option Id : 8002**

**Question 30**

"Permit for the import of small quantities of drugs for personal use" require to fill which form?

**Answer :**

- (A) 20A
- (B) 13A
- (C) 14A

**Question Id : 9**

**Option Id**

☐ 9001

☐ 9002

☐ 9003

(D) 12B

☐ 9004

**Right Answer :**

12B

**Right Option Id : 9004**

**Question 31**

Which of the following is used as laxative?

Answer :

(A) Aloe

(B) Digitalis

(C) Rauwolfia

(D) Arjuna

**Question Id : 10**

Option Id

☐ 10001

☐ 10002

☐ 10003

☐ 10004

**Right Answer :**

Aloe

**Right Option Id : 10001**

**Question 32**

Which of the following vitamin is known as Niacin?

Answer :

(A) Vitamin B1

(B) Vitamin B3

(C) Vitamin B2

(D) Vitamin B7

**Question Id : 11**

Option Id

☐ 11001

☐ 11002

☐ 11003

☐ 11004

**Right Answer :**

Vitamin B3

**Right Option Id : 11002**

**Question 33**

Fluid energy mill is based on the principle of\_\_\_\_\_.

Answer :

(A) Impact

(B) Impact and Attrition

(C) Attrition

(D) Impact and compression

**Question Id : 12**

Option Id

☐ 12001

☐ 12002

☐ 12003

☐ 12004

**Right Answer :**

Impact and Attrition

**Right Option Id : 12002**

**Question 34**

Which of the following is an anticholinergic drug?

Answer :

(A) Dicyclomine

(B) Propranolol

(C) Donepezil

(D) Adrenaline

**Question Id : 13**

Option Id

☐ 13001

☐ 13002

☐ 13003

☐ 13004

**Right Answer :**

Dicyclomine

**Right Option Id : 13001**



**Question 35**

How does phenylephrine differ from adrenaline?

Answer :

- (A) Lacking 4-OH group on the benzene ring
- (B) Lacking 4-COOH group on the benzene ring
- (C) Lacking 4-NH group on the benzene ring
- (D) Lacking 4-CONH<sub>2</sub> group on the benzene ring

**Right Answer :**

Lacking 4-OH group on the benzene ring

**Question Id : 14**

Option Id

- ☐ 14001
- ☐ 14002
- ☐ 14003
- ☐ 14004

**Right Option Id : 14001**

**Question 36**

Identify irreversible MAO inhibitor drug.

Answer :

- (A) Moclobemide
- (B) Fluoxetine
- (C) Rasagiline
- (D) Bromocriptine

**Right Answer :**

Rasagiline

**Question Id : 15**

Option Id

- ☐ 15001
- ☐ 15002
- ☐ 15003
- ☐ 15004

**Right Option Id : 15003**

**Question 37**

Humidity is a \_\_\_\_.

Answer :

- (A) ratio of mass of water vapour present in air to mass of dry air
- (B) ratio of mass of water vapour present in air to mass of wet air
- (C) ratio of mass of dry air to mass of wet air
- (D) ratio of mass of dry air to mass of water vapour present in air

**Right Answer :**

ratio of mass of water vapour present in air to mass of dry air

**Question Id : 16**

Option Id

- ☐ 16001
- ☐ 16002
- ☐ 16003
- ☐ 16004

**Right Option Id : 16001**

**Question 38**

Which titration method is used to analyze Sodium Thiosulphate?

Answer :

- (A) Non-aqueous
- (B) Redox Iodometry
- (C) Acid Base
- (D) Redox Iodimetry

**Right Answer :**

Redox Iodometry

**Question Id : 17**

Option Id

- ☐ 17001
- ☐ 17002
- ☐ 17003
- ☐ 17004

**Right Option Id : 17002**

**Question 39**

**Question Id : 18**

Find out the incorrect statement for elimination of drugs by the kidney.

Answer :

- (A) Most drugs, unless highly bound to plasma protein, cross the glomerular filter freely.
- (B) Because of pH partition, weak bases are more rapidly excreted in alkaline urine.
- (C) Lipid-soluble drugs are passively reabsorbed by diffusion across the tubule, so are not efficiently excreted in the urine.
- (D) Several important drugs are removed predominantly by renal excretion, and are liable to cause toxicity in elderly persons and patients with renal disease.

Option Id

- ☐ 18001
- ☐ 18002
- ☐ 18003
- ☐ 18004

**Right Answer :**

Because of pH partition, weak bases are more rapidly excreted in alkaline urine.

**Right Option Id : 18002**

#### Question 40

What is the principal structural component of the cell wall in gram positive bacteria?

Answer :

- (A) Simple protein
- (B) Glycoprotein
- (C) Lipopolysaccharides
- (D) Peptidoglycan

**Question Id : 19**

Option Id

- ☐ 19001
- ☐ 19002
- ☐ 19003
- ☐ 19004

**Right Answer :**

Peptidoglycan

**Right Option Id : 19004**

### SECTION 2

#### Question 41

Average height of 25 children is 140 cm. If 5 new children joined the class then average height becomes 145 cm. What is the average height of 5 new children?

Answer :

- (A) 155 cm
- (B) 160 cm
- (C) 165 cm
- (D) 170 cm

**Question Id : 42**

Option Id

- ☐ 42001
- ☐ 42002
- ☐ 42003
- ☐ 42004

**Right Answer :**

170 cm

**Right Option Id : 42004**

#### Question 42

The least number, which when divided by 12, 15, 20 and 54 leaves in each case a remainder of 8 is:

Answer :

- (A) 504
- (B) 536
- (C) 544
- (D) 548

**Question Id : 43**

Option Id

- ☐ 43001
- ☐ 43002
- ☐ 43003
- ☐ 43004

**Right Answer :**

548

**Right Option Id : 43004**

#### Question 43

Ten years ago, P was half of Q's age. If the ratio of their present ages is 3:4, what will be the total of their present ages?

Answer :

**Question Id : 44**

Option Id

(A) 45

☐ 44001

(B) 40

☐ 44002

(C) 35

☐ 44003

(D) 30

☐ 44004

**Right Answer :**

35

**Right Option Id : 44003**

**Question 44**

If a seller reduce the selling price of an item from Rs. 400 to Rs. 380, his loss increases by 2%. What is the cost price of the item?

Answer :

(A) Rs. 1000

(B) Rs. 800

(C) Rs. 1200

(D) Rs. 1100

**Question Id : 45**

Option Id

☐ 45001

☐ 45002

☐ 45003

☐ 45004

**Right Answer :**

Rs. 1000

**Right Option Id : 45001**

**Question 45**

A man's speed with the current is 15km/hr and the speed of the current is 2.5 km/hr. The man's speed against the current is:

Answer :

(A) 8.5 km/hr

(B) 10 km/hr

(C) 12.5 km/hr

(D) 9 km/hr

**Question Id : 46**

Option Id

☐ 46001

☐ 46002

☐ 46003

☐ 46004

**Right Answer :**

10 km/hr

**Right Option Id : 46002**

**Question 46**

A man can row 4 km/hr in still water. If the river is running at 2 km/hr it takes 90 min to row to a place and back. How far is the place?

Answer :

(A) 2 km

(B) 4 km

(C) 5 km

(D) 2.25 km

**Question Id : 47**

Option Id

☐ 47001

☐ 47002

☐ 47003

☐ 47004

**Right Answer :**

2.25 km

**Right Option Id : 47004**

**Question 47**

Akhil took a loan of Rs. 1400 with simple interest for as many years as the rate of interest. If paid Rs.686 as interest at the end of the loan period, what is the rate of interest?

Answer :

(A) 8%

(B) 6%

**Question Id : 48**

Option Id

☐ 48001

☐ 48002

(C) 4%

☐ 48003

(D) 7%

☐ 48004

**Right Answer :**

7%

**Right Option Id : 48004**

**Question 48**

Evaluate:

$$\frac{(3.38)^2 - (1.62)^2}{3.38 - 1.62} = ?$$

Answer :

(A) 5

Option Id

☐ 49001

(B) 4

☐ 49002

(C) 6

☐ 49003

(D) 8

☐ 49004

**Right Answer :**

5

**Right Option Id : 49001**

**Question 49**

Simplify:

$$\left[ \frac{1}{2} + \frac{1}{3} \right] \div \left[ \frac{2}{5} \left( \frac{3}{6} - \frac{3}{7} \right) \right] = ?$$

Answer :

(A) 175/6

Option Id

☐ 41001

(B) 174/6

☐ 41002

(C) 174/3

☐ 41003

(D) 174/4

☐ 41004

**Right Answer :**

175/6

**Right Option Id : 41001**

**Question 50**

If three number in the ratio 3:2:5 are such that the sum of their squares is 1862, the middle number will be:

Answer :

(A) 7

Option Id

☐ 50001

(B) 14

☐ 50002

(C) 21

☐ 50003

(D) 35

☐ 50004

**Right Answer :**

14

**Right Option Id : 50002**

**Question 51**

The time taken, in minutes, by Arun to cover a distance of 400 m, if he runs at a speed of 20 km/h is:

Answer :

(A)  $1\frac{1}{5}$  mins/ मिनट.

Option Id

☐ 60001

(B)  $2\frac{1}{5}$  mins/ मिनट.

☐ 60002

(C)  $1\frac{2}{5}$  mins/ मिनट.

☐ 60003

(D) None of these

☐ 60004

**Right Answer :**

**Right Option Id : 60001**

$1\frac{1}{5}$  mins/ मिनट.

#### Question 52

**Question Id : 52**

If the side of a square is increased by 8cm, its area increases by 120 sq.cm., then the side of the square is:

Answer :

Option Id

(A) 5 cm

☐ 52001

(B) 4.5 cm

☐ 52002

(C) 3.5 cm

☐ 52003

(D) 3 cm

☐ 52004

**Right Answer :**

**Right Option Id : 52003**

3.5 cm

#### Question 53

**Question Id : 53**

If  $(64)^2 - (36)^2 = 20 \times X$ , then the value of X is:

Answer :

Option Id

(A) 70

☐ 53001

(B) 120

☐ 53002

(C) 180

☐ 53003

(D) 140

☐ 53004

**Right Answer :**

**Right Option Id : 53004**

140

#### Question 54

**Question Id : 54**

The H.C.F. of two numbers is 8. Which one of the following can never be their L.C.M.?

Answer :

Option Id

(A) 24

☐ 54001

(B) 48

☐ 54002

(C) 56

☐ 54003

(D) 60

☐ 54004

**Right Answer :**

**Right Option Id : 54004**

60

#### Question 55

**Question Id : 55**

A and B undertake to do a piece of work for Rs. 600. A alone can do it in 6 days while B alone can do it in 8 days. With the help of C, they finish it in 3 days. The share of C is:

Answer :

Option Id

(A) Rs.125

☐ 55001

(B) Rs. 110

☐ 55002

(C) Rs. 90

☐ 55003

(D) Rs. 75

☐ 55004

**Right Answer :**

Rs. 75

**Right Option Id : 55004**

**Question 56**

**Question Id : 56**

A is travelling at 72 km per hour on a highway while B is travelling at a speed of 25 metres per second. The difference between their speeds in metres per second is:

**Answer :**

**Option Id**

(A)  $1\frac{1}{2}$  m/sec

☐ 56001

(B) 2 m/sec

☐ 56002

(C) 3 m/sec

☐ 56003

(D) 5 m/sec

☐ 56004

**Right Answer :**

5 m/sec

**Right Option Id : 56004**

**Question 57**

**Question Id : 57**

There are five companies and we have been given the number of employees working in different companies. In the table we have also been given the percentage of male and female employees in account and research department.

Company	Employees	Account		Research	
		Male	Female	Male	Female
A	450	12	14	9	7
B	700	19	10	11	13
C	550	28	14	4	7
D	600	31	9	6	4
E	350	12	18	3	7

If 60% of the employees of company E in Account department have MBA degree and 40% of the employees of the same company in the research department have MBA degree, then how many employees have MBA degree in company E?

**Answer :**

**Option Id**

(A) 92

☐ 57001

(B) 106

☐ 57002

(C) 77

☐ 57003

(D) 66

☐ 57004

**Right Answer :**

77

**Right Option Id : 57003**

**Question 58**

**Question Id : 58**

There are five companies and we have been given the number of employees working in different companies. In the table we have also been given the percentage of male and female employees in account and research department.

Company	Employees	Account		Research	
		Male	Female	Male	Female
A	450	12	14	9	7
B	700	19	10	11	13
C	550	28	14	4	7
D	600	31	9	6	4
E	350	12	18	3	7

What is the ratio of the number of female employees of company B in account department to the number of male employees of company C in research department?

**Answer :**

**Option Id**

(A) 5 : 2

☐ 58001

(B) 35 : 11

☐ 58002

(C) 13 : 4

☐ 58003

(D) 4 : 13

☐ 58004

**Right Answer :**

35 : 11

**Right Option Id : 58002**

**Question 59**

**Question Id : 59**

There are five companies and we have been given the number of employees working in different companies. In the table we have also been given the percentage of male and female employees in account and research department.

Company	Employees	Account		Research	
		Male	Female	Male	Female
A	450	12	14	9	7
B	700	19	10	11	13
C	550	28	14	4	7
D	600	31	9	6	4
E	350	12	18	3	7

The total number of account employees of company A is approximately what percent more than the total number of research employees of company E?

**Answer :**

**Option Id**

(A) 231.21%

☐ 59001

(B) 238.54%

☐ 59002

(C) 234.29%

☐ 59003

(D) 228.67%

☐ 59004

**Right Answer :**

234.29%

**Right Option Id : 59003**

**Question 60**

**Question Id : 51**

There are five companies and we have been given the number of employees working in different companies. In the table we have also been given the percentage of male and female employees in account and research department.

Company	Employees	Account		Research	
		Male	Female	Male	Female
A	450	12	14	9	7
B	700	19	10	11	13
C	550	28	14	4	7
D	600	31	9	6	4
E	350	12	18	3	7

What is the ratio of the male employees in account department of company A and C together to the female employees of research department in company B and D together?

**Answer :**

**Option Id**

(A) 208 : 115

☐ 51001

(B) 43 : 188

☐ 51002

(C) 27 : 187

☐ 51003

(D) None of these

☐ 51004

**Right Answer :**

208 : 115

**Right Option Id : 51001**

**SECTION 3**

**Question 61**

**Question Id : 77**

The river Narmada has its source at which among the following places?

Answer :

(A) Satpura

(B) Brahmagiri

(C) Amarkantak

(D) Slopes of the Western Ghats

Option Id

☐ 77001

☐ 77002

☐ 77003

☐ 77004

**Right Answer :**

Amarkantak

**Right Option Id : 77003**

**Question 62**

\_\_\_\_\_ is an Indian classical dance form developed in Kerala.

Answer :

(A) Rouf

(B) Kuchipudi

(C) Mohiniyattam

(D) Bhavai

**Question Id : 74**

Option Id

☐ 74001

☐ 74002

☐ 74003

☐ 74004

**Right Answer :**

Mohiniyattam

**Right Option Id : 74003**

**Question 63**

Name the gas used for making vegetable ghee from vegetable oil.

Answer :

(A) Oxygen

(B) Hydrogen

(C) Nitrogen

(D) Ozone

**Question Id : 75**

Option Id

☐ 75001

☐ 75002

☐ 75003

☐ 75004

**Right Answer :**

Hydrogen

**Right Option Id : 75002**

**Question 64**

A donut shaped region of icy bodies situated beyond the orbit of Neptune planet is known as \_\_\_\_.

Answer :

(A) Vesta

(B) Oort Cloud

(C) Kuiper Belt

(D) Haumea

**Question Id : 76**

Option Id

☐ 76001

☐ 76002

☐ 76003

☐ 76004

**Right Answer :**

Kuiper Belt

**Right Option Id : 76003**

**Question 65**

Gita Gopinath was the first woman and second Indian to be featured on the "Wall of former Chief Economist" of the \_\_\_\_.

Answer :

(A) World Trade Organisation (WTO)

(B) International Monetary Fund (IMF)

**Question Id : 73**

Option Id

☐ 73001



(C) World Bank

☐ 73002

(D) United Nations Conference on Trade and Development

☐ 73003

☐ 73004

**Right Answer :**

International Monetary Fund (IMF)

**Right Option Id : 73002**

**Question 66**

The method of Impeachment of the President of India was adopted from which foreign country?

**Question Id : 78**

**Answer :**

**Option Id**

(A) Italy

☐ 78001

(B) France

☐ 78002

(C) U.S.A.

☐ 78003

(D) Canada

☐ 78004

**Right Answer :**

U.S.A.

**Right Option Id : 78003**

**Question 67**

Fibers from which among the following are known as "Golden Fiber"?

**Question Id : 79**

**Answer :**

**Option Id**

(A) Tea

☐ 79001

(B) Cotton

☐ 79002

(C) Jute

☐ 79003

(D) Sugarcane

☐ 79004

**Right Answer :**

Jute

**Right Option Id : 79003**

**Question 68**

Recently, India prohibited export of which among the following grain to ensure adequate availability in the Indian market?

**Question Id : 80**

**Answer :**

**Option Id**

(A) Basmati Rice

☐ 80001

(B) Wheat

☐ 80002

(C) Maize

☐ 80003

(D) Non-Basmati White Rice

☐ 80004

**Right Answer :**

Non-Basmati White Rice

**Right Option Id : 80004**

**Question 69**

Recently, India gifted INS Kirpan-a warship from the Khukri Class commissioned in 1991 to the Navy of which among the following foreign friend countries to bolster their naval capabilities?

**Question Id : 71**

**Answer :**

**Option Id**

(A) Vietnam

☐ 71001

(B) Papua New Guinea

☐ 71002

(C) Indonesia

☐ 71003

(D) Egypt

☐ 71004

**Right Answer :**  
Vietnam

**Right Option Id : 71001**

**Question 70**

**Question Id : 72**

The President of India, Smt Droupadi Murmu inaugurated 'Unmesha' – International Literature Festival and 'Utkarsh' – Festival of Folk and Tribal Performing Arts at which among the following states of India?

**Answer :**

**Option Id**

(A) Punjab

☐ 72001

(B) Maharashtra

☐ 72002

(C) Madhya Pradesh

☐ 72003

(D) Gujarat

☐ 72004

**Right Answer :**  
Madhya Pradesh

**Right Option Id : 72003**

**Question 71**

**Question Id : 69**

Mrs. Dixa took a taxi to meet her three friends for lunch. They were waiting for her outside the restaurant when she pulled up in the car. She was so excited to see her friends that she left her bag in the taxi. As the taxi pulled away, she and her friends took notice of the license plate number so they would be able to identify the car when they called the taxi company.

1: The four women seem to agree that the plate starts out with the letter J.

2: Three of them agree that the plate ends with 12L.

3: Three of them think that the second letter is X, and a different three think that the third letter is K.

The four license plate numbers below represent what each of the four women thinks she saw. Which one is most likely the license plate number of the taxi?

**Answer :**

**Option Id**

(A) JXK 12I

☐ 69001

(B) JYK 12L

☐ 69002

(C) JXK 12L

☐ 69003

(D) JXX 12L

☐ 69004

**Right Answer :**  
JXK 12L

**Right Option Id : 69003**

**Question 72**

**Question Id : 70**

Choose the alternative which closely resembles the right side mirror image of the given word.

**MALAYALAM**

(1) MALAYALAM

(2) MAJAYAJAM

(3) MALAYALAM

(4) MAGAYAGAM

**Answer :**

**Option Id**

(A) 1

☐ 70001

(B) 2

☐ 70002

(C) 3

☐ 70003

(D) 4

☐ 70004

**Right Answer :**  
2

**Right Option Id : 70002**

**Question 73**

**Question Id : 62**

If P denotes '+', Q denotes '-', R denotes 'x' and S denotes '÷', which of the following statements is correct?

Answer :

(A)  $36 \ 4 \ S \ 8 \ Q \ 7 \ P \ 4 = 10$

(B)  $16 \ R \ 12 \ P \ 49 \ S \ 7 \ Q \ 9 = 200$

(C)  $32 \ S \ 8 \ R \ 9 = 160 \ Q \ 12 \ R \ 12$

(D)  $8 \ R \ 8 \ P \ 8 \ S \ 8 \ Q \ 8 = 57$

Option Id

☐ 62001

☐ 62002

☐ 62003

☐ 62004

Right Answer :

$8 \ R \ 8 \ P \ 8 \ S \ 8 \ Q \ 8 = 57$

Right Option Id : 62004

#### Question 74

Question Id : 63

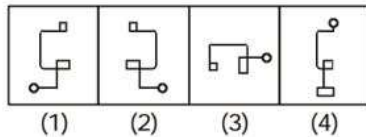
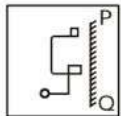
Which of the answer figures is exactly the mirror image of the question figure, when the mirror is held on the line PQ?

Question figure :

Answer figures :

प्रश्न आकृति:

उत्तर आकृति:



Answer :

(A) 1

(B) 2

(C) 3

(D) 4

Option Id

☐ 63001

☐ 63002

☐ 63003

☐ 63004

Right Answer :

2

Right Option Id : 63002

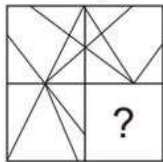
#### Question 75

Question Id : 65

Following Question has four alternatives, which among them completes the figure?

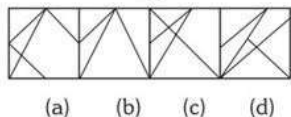
Question Figure

प्रश्न आकृति:



Answer Figure

उत्तर आकृति:



Answer :

(A) (a)

(B) (b)

(C) (c)

(D) (d)

Option Id

☐ 65001

☐ 65002

☐ 65003

☐ 65004

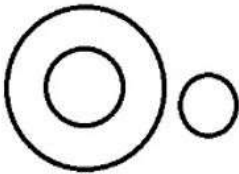
Right Answer :

(b)

Right Option Id : 65002

**Question 76****Question Id : 64**

Which of the following diagram represents relationship among the given elements in a much logical way.



Answer :

- (A) Cup, glass, dish
- (B) Man, woman, child
- (C) Electronics, LED TV, House
- (D) Vegetable, fruit, green

Option Id

- ☐ 64001
- ☐ 64002
- ☐ 64003
- ☐ 64004

**Right Answer :**

Electronics, LED TV, House

**Right Option Id : 64003**

**Question 77****Question Id : 61**

If 'when' means 'x', 'you' means ' $\div$ ', 'come' means '-' and 'will' means '+', then what will be the value of "8 when 12 will 16 you 2 come 10"?

Answer :

- (A) 70
- (B) 80
- (C) 94
- (D) 97

Option Id

- ☐ 61001
- ☐ 61002
- ☐ 61003
- ☐ 61004

**Right Answer :**

94

**Right Option Id : 61003**

**Question 78****Question Id : 66**

Identify the figure that completes the pattern.



Answer :

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

Option Id

- ☐ 66001
- ☐ 66002
- ☐ 66003
- ☐ 66004

**Right Answer :**

4

**Right Option Id : 66004**

**Question 79****Question Id : 67**

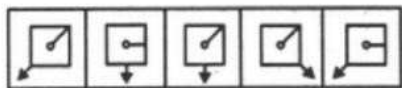
Select a figure from the Answer figures which will continue the same series as established by the five Problem Figures.

Problem Figures/समस्या आकृतियाँ



(A) (B) (C) (D) (E)

Answer Figures/उत्तर आकृतियाँ



(1) (2) (3) (4) (5)

Answer :

(A) 1

(B) 2

(C) 3

Option Id

☐ 67001

☐ 67002

☐ 67003

Question 80

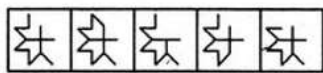
Select a figure from the Answer figures which will continue the same series as established by the five Problem Figures.

Problem Figures/समस्या आकृतियाँ



(A) (B) (C) (D) (E)

Answer Figures/उत्तर आकृतियाँ



(1) (2) (3) (4) (5)

Answer :

(A) 1

(B) 2

(C) 3

(D) 4

Option Id

☐ 68001

☐ 68002

☐ 68003

☐ 68004

Right Answer :

1

Right Option Id : 68001

SECTION 4

Question 81

Identify the antonym for the word: Modest

Answer :

(A) Unhappy

(B) Sullen

(C) Conceited

(D) Glum

Question Id : 99

Option Id

☐ 99001

☐ 99002

☐ 99003

☐ 99004

Right Answer :

Conceited

Right Option Id : 99003

**Question 82**

Change the following sentence into passive voice: They created such a fuss over a trivial matter.

Answer :

- (A) Such a fuss was being created by them over a trivial matter.
- (B) Such a fuss has been created over a trivial matter.
- (C) Such a fuss was created by them over a trivial matter.
- (D) By them such a fuss has been created over a trivial matter.

**Right Answer :**

Such a fuss was created by them over a trivial matter.

**Question Id : 98**

Option Id

- ☐ 98001
- ☐ 98002
- ☐ 98003
- ☐ 98004

**Right Option Id : 98003****Question 83**

From the options that follow, choose the correct indirect speech of the given sentence.: She said, "Oil floats on water."

Answer :

- (A) She says that oil has floated on water.
- (B) She said that oil floats on water.
- (C) She said that oil floated on water.
- (D) She said that oil has floated on water.

**Right Answer :**

She said that oil floats on water.

**Question Id : 97**

Option Id

- ☐ 97001
- ☐ 97002
- ☐ 97003
- ☐ 97004

**Right Option Id : 97002****Question 84**

Which part of the sentence is incorrect?: "Gandhinagar is a capital of Gujarat."

Answer :

- (A) Gandhinagar is
- (B) a capital
- (C) of Gujarat
- (D) No error

**Right Answer :**

a capital

**Question Id : 96**

Option Id

- ☐ 96001
- ☐ 96002
- ☐ 96003
- ☐ 96004

**Right Option Id : 96002****Question 85**

The correctly spelt word is:

Answer :

- (A) attention
- (B) atention
- (C) attension
- (D) attainton

**Right Answer :**

attention

**Question Id : 95**

Option Id

- ☐ 95001
- ☐ 95002
- ☐ 95003
- ☐ 95004

**Right Option Id : 95001****Question 86**

Choose the meaning of underlined idiom used in the given sentence.: Radhika said to Madhav, you have the floor.

Answer :

- (A) You have practically won.

**Question Id : 94**

Option Id

(B) You have full right to disagree.

☐ 94001

(C) You have tendency rights to property's floor.

☐ 94002

(D) You have full permission to speak your mind now.

☐ 94003

☐ 94004

**Right Answer :**

**Right Option Id : 94004**

You have full permission to speak your mind now.

**Question 87**

**Question Id : 93**

Give one word substitute of: 'one who has no money'.

**Answer :**

**Option Id**

(A) Baron

☐ 93001

(B) Pauper

☐ 93002

(C) Righteous

☐ 93003

(D) Aristocrat

☐ 93004

**Right Answer :**

**Right Option Id : 93002**

Pauper

**Question 88**

**Question Id : 92**

Read the following comprehension passage and answer the following questions.

Himalayas, Nepali Himalaya, great mountain system of Asia forming a barrier between the Plateau of Tibet to the north and the alluvial plains of the Indian subcontinent to the south. The Himalayas are some of the greatest natural wonders of the world. This gigantic mountain range is about 1,500 miles long, stretching across Southeast Asia. Comprised of 30 mountains and nine of the highest peaks in the world, including Mount Everest and K2, this mountain range is full of interesting world records, culture and geographical marvels. For thousands of years the Himalayas have held a profound significance for the people of South Asia, as their literature, mythologies, and religions reflect. Since ancient times the vast glaciated heights have attracted the attention of the pilgrim mountaineers of India, who coined the Sanskrit name Himalaya—from hima ("snow") and alaya ("abode")—for that great mountain system. In contemporary times the Himalayas have offered the greatest attraction and the greatest challenge to mountaineers throughout the world. The ranges, which form the northern border of the Indian subcontinent and an almost impassable barrier between it and the lands to the north, are part of a vast mountain belt that stretches halfway around the world from North Africa to the Pacific Ocean coast of Southeast Asia.

The Sanskrit word Himalaya means adobe of what?

**Answer :**

**Option Id**

(A) Mountain

☐ 92001

(B) Snow

☐ 92002

(C) Mountain peak

☐ 92003

(D) Mountain range

☐ 92004

**Right Answer :**

**Right Option Id : 92002**

Snow

**Question 89**

**Question Id : 91**

Read the following comprehension passage and answer the following questions.

Himalayas, Nepali Himalaya, great mountain system of Asia forming a barrier between the Plateau of Tibet to the north and the alluvial plains of the Indian subcontinent to the south. The Himalayas are some of the greatest natural wonders of the world. This gigantic mountain range is about 1,500 miles long, stretching across Southeast Asia. Comprised of 30 mountains and nine of the highest peaks in the world, including Mount Everest and K2, this mountain range is full of interesting world records, culture and geographical marvels. For thousands of years the Himalayas have held a profound significance for the people of South Asia, as their literature, mythologies, and religions reflect. Since ancient times the vast glaciated heights have attracted the attention of the pilgrim mountaineers of India, who coined the Sanskrit name Himalaya—from hima ("snow") and alaya ("abode")—for that great mountain system. In contemporary times the Himalayas have offered the greatest attraction and the greatest challenge to mountaineers throughout the world. The ranges, which form the northern border of the Indian subcontinent and an almost impassable barrier between it and the lands to the north, are part of a vast mountain belt that stretches halfway around the world from North Africa to the Pacific Ocean coast of Southeast Asia.

About how many miles long is the gigantic mountain range of Himalaya?

**Answer :**

**Option Id**

(A) 1,500 miles

☐ 91001

(B) 1,000 miles

☐ 91002

(C) 2,400 miles

☐ 91003

(D) 3,000 miles

☐ 91004

**Right Answer :**

1,500 miles

**Right Option Id : 91001**

**Question 90**

**Question Id : 81**

Read the following comprehension passage and answer the following questions.

Himalayas, Nepali Himalaya, great mountain system of Asia forming a barrier between the Plateau of Tibet to the north and the alluvial plains of the Indian subcontinent to the south. The Himalayas are some of the greatest natural wonders of the world. This gigantic mountain range is about 1,500 miles long, stretching across Southeast Asia. Comprised of 30 mountains and nine of the highest peaks in the world, including Mount Everest and K2, this mountain range is full of interesting world records, culture and geographical marvels. For thousands of years the Himalayas have held a profound significance for the people of South Asia, as their literature, mythologies, and religions reflect. Since ancient times the vast glaciated heights have attracted the attention of the pilgrim mountaineers of India, who coined the Sanskrit name Himalaya—from hima ("snow") and alaya ("abode")—for that great mountain system. In contemporary times the Himalayas have offered the greatest attraction and the greatest challenge to mountaineers throughout the world. The ranges, which form the northern border of the Indian subcontinent and an almost impassable barrier between it and the lands to the north, are part of a vast mountain belt that stretches halfway around the world from North Africa to the Pacific Ocean coast of Southeast Asia.

The Himalaya range consists how many highest peaks from all around the world?

**Answer :**

**Option Id**

(A) 30

☐ 81001

(B) 2

☐ 81002

(C) 9

☐ 81003

(D) 15

☐ 81004

**Right Answer :**

9

**Right Option Id : 81003**

**Question 91**

**Question Id : 89**

Which statement is incorrect about a compound?

**Answer :**

**Option Id**

(A) The constituents of a compound cannot be separated by a physical method.

☐ 89001

(B) Elements in a compound always present in a definite proportion by mass.

☐ 89002

(C) Compound is homogenous in nature.

☐ 89003

(D) The constituents retain their identity in a compound.

☐ 89004

**Right Answer :**

The constituents retain their identity in a compound.

**Right Option Id : 89004**

**Question 92**

**Question Id : 88**

The structure of water (H<sub>2</sub>O) molecule resembles with which of the following?

**Answer :**

**Option Id**

(A) Structure of CH<sub>4</sub> molecule

☐ 88001

(B) Structure of CO<sub>2</sub> molecule

☐ 88002

(C) Structure of SO<sub>2</sub> molecule

☐ 88003

(D) Structure of BeH<sub>2</sub> molecule

☐ 88004

**Right Answer :**

Structure of SO<sub>2</sub> molecule

**Right Option Id : 88003**

**Question 93**

**Question Id : 87**

Rainbow is formed due to a combination of?

**Answer :**

**Option Id**



(A) refraction and absorption

☐ 87001

(B) dispersion and diffraction

☐ 87002

(C) refraction and scattering

☐ 87003

(D) dispersion and total internal reflection

☐ 87004

**Right Answer :**

dispersion and total internal reflection

**Right Option Id : 87004**

**Question 94**

Which among the following is an isoelectronic pair?

Answer :

(A)  $\text{NH}_3$  and  $\text{CH}_3^+$

(B)  $\text{NH}_3$  and  $\text{CH}_3^-$

(C) CO and  $\text{CH}_4$

(D)  $\text{NH}_4^+$  and  $\text{CH}_4$

**Question Id : 86**

Option Id

☐ 86001

☐ 86002

☐ 86003

☐ 86004

**Right Answer :**

$\text{NH}_3$  and  $\text{CH}_3^-$

**Right Option Id : 86002**

**Question 95**

The electric fuse wire has:

Answer :

(A) high melting point and high resistivity

(B) low melting point and high resistivity

(C) high melting point and low resistivity

(D) low melting point and low resistivity

**Question Id : 85**

Option Id

☐ 85001

☐ 85002

☐ 85003

☐ 85004

**Right Answer :**

low melting point and high resistivity

**Right Option Id : 85002**

**Question 96**

Transmission of light signal through optical fibres is possible due to?

Answer :

(A) Interference

(B) Total internal reflection

(C) Dispersion

(D) Scattering

**Question Id : 84**

Option Id

☐ 84001

☐ 84002

☐ 84003

☐ 84004

**Right Answer :**

Total internal reflection

**Right Option Id : 84002**

**Question 97**

When we change loud sound to feeble sound, we decrease its -

Answer :

(A) wavelength

(B) frequency

(C) velocity

**Question Id : 83**

Option Id

☐ 83001

☐ 83002

(D) amplitude

☐ 83003

☐ 83004

**Right Answer :**

amplitude

**Right Option Id : 83004**

**Question 98**

Dwarfism is caused due to-

**Answer :**

(A) hyper secretion of thyroxin

(B) hypo secretion of growth hormone

(C) hypo secretion of adrenaline

(D) hyper secretion of growth hormone

**Question Id : 82**

Option Id

☐ 82001

☐ 82002

☐ 82003

☐ 82004

**Right Answer :**

hypo secretion of growth hormone

**Right Option Id : 82002**

**Question 99**

The stomata open or close due to change in the \_\_\_\_.

**Answer :**

(A) protein composition of cells

(B) amount of water in cells

(C) position of nucleus in the cells

(D) temperature of cells

**Question Id : 90**

Option Id

☐ 90001

☐ 90002

☐ 90003

☐ 90004

**Right Answer :**

amount of water in cells

**Right Option Id : 90002**

**Question 100**

Choose the correct statement:-

**Answer :**

(A) Dance, swimming, drawing are acquired trait and can pass from one generation to another generation

(B) Colour of iris of eye is an inherited trait and cannot pass from one generation to another generation

(C) Dance, swimming and drawing are inherited traits and can pass from one generation to another generation

(D) Dance, swimming and drawing are acquired trait and cannot pass from one generation to another generation

**Question Id : 100**

Option Id

☐ 100001

☐ 100002

☐ 100003

☐ 100004

**Right Answer :**

Dance, swimming and drawing are acquired trait and cannot pass from one generation to another generation

**Right Option Id : 100004**