

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

Exam Date : 06/09/2023

Time : 09:30 AM - 12:30 PM

SECTION 1

Question 1

Which of the following is an example of sesamoid bone?

Answer :

- (A) Patella
- (B) Vertebra
- (C) Skull bones
- (D) Hyoid

Right Answer :
Patella

Question Id : 1

Option Id

- ☐ 1001
- ☐ 1002
- ☐ 1003
- ☐ 1004

Right Option Id : 1001

Question 2

Which cells are called as cells of destruction?

Answer :

- (A) Osteocytes
- (B) Osteoblasts
- (C) Osteoclasts
- (D) Lacunar cells

Right Answer :
Osteoclasts

Question Id : 24

Option Id

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

Right Option Id : 24003

Question 3

What is the main component of thick filament in the muscle?

Answer :

- (A) Actin
- (B) Titin
- (C) Nebulin
- (D) Myosin

Right Answer :
Myosin

Question Id : 25

Option Id

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

Right Option Id : 25004

Question 4

Where does the nerve impulse arise in neuron?

Answer :

- (A) Axon hillock
- (B) Trigger zone
- (C) Dendrites
- (D) Myelin sheath

Question Id : 26

Option Id

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

Right Answer :

Axon hillock

Right Option Id : 26001

Question 5

What is the incision given for appendicectomy?

Answer :

- (A) Kocher's
- (B) Bucket handle
- (C) Sub-umbilical
- (D) Mc Burney's

Question Id : 27

Option Id

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

Right Answer :

Mc Burney's

Right Option Id : 27004

Question 6

In the load-deformation curve, which is the term used if deformation is permanent after the load is removed?

Answer :

- (A) Yield point
- (B) Plastic region
- (C) Elastic region
- (D) Toe region

Question Id : 28

Option Id

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

Right Answer :

Plastic region

Right Option Id : 28002

Question 7

"Peep sign" is seen in which of the following?

Answer :

- (A) Myasthenia gravis
- (B) Cerebral palsy
- (C) Muscular dystrophy
- (D) Congenital myopathies

Question Id : 32

Option Id

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

Right Answer :

Myasthenia gravis

Right Option Id : 32001

Question 8

Administration of nitrites to relieve angina pain cannot be given through which of the following?

Answer :

- (A) Oral
- (B) Intravenous
- (C) Intramuscular
- (D) Sublingual

Question Id : 30

Option Id

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

Right Answer :

Intramuscular

Right Option Id : 30003

Question 9

Question Id : 31

Faradic current is a ____.

Answer :

- (A) Long duration, uninterrupted direct current, pulse duration-0.1-1ms, frequency-50-100Hz
- (B) Short duration, interrupted direct current, pulse duration-0.1-1ms, frequency-50-100Hz
- (C) Short duration, uninterrupted direct current, pulse duration-0.1-1ms, frequency-50-100Hz
- (D) Long duration, interrupted direct current, pulse duration-0.1-1ms, frequency-50-100Hz

Option Id

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

Right Answer :

Short duration, interrupted direct current, pulse duration-0.1-1ms, frequency-50-100Hz

Right Option Id : 31002

Question 10

What is the range of intensity of the current used in Iontophoresis?

Answer :

- (A) 5-12 mA
- (B) 5-12 A
- (C) 5-12 μ A
- (D) 5-12 Mega A

Question Id : 23

Option Id

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

Right Answer :

5-12 mA

Right Option Id : 23001

Question 11

"Magnetron" is a part of which of the following?

Answer :

- (A) Pulsed shortwave diathermy
- (B) Ultrasound
- (C) TENS (Transcutaneous Electrical Nerve Stimulation)
- (D) Microwave diathermy

Question Id : 33

Option Id

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

Right Answer :

Microwave diathermy

Right Option Id : 33004

Question 12

Which law explains the effect of distance in radiation therapy?

Answer :

- (A) Cosine law
- (B) Law of Grotthuss-Draper
- (C) Inverse square law
- (D) Arndt-Schultz principle

Question Id : 35

Option Id

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

Right Answer :

Inverse square law

Right Option Id : 35003

Question 13

Which one of the following is not a property of laser?

Answer :

- (A) Chromaticity

Question Id : 40

Option Id

- ☐ 40001

(B) Directionality

☐ 40002

(C) Coherence

☐ 40003

(D) Collimation

☐ 40004

Right Answer :

Chromaticity

Right Option Id : 40001

Question 14

What is the principle of Interferential therapy?

Answer :

(A) Beast frequency

Option Id

☐ 39001

(B) Best frequency

☐ 39002

(C) Beat frequency

☐ 39003

(D) Bate frequency

☐ 39004

Right Answer :

Beat frequency

Right Option Id : 39003

Question 15

Which are the Components of an epidemiological triad?

Answer :

(A) Agent, host, time

Option Id

☐ 38001

(B) Environment, time, host

☐ 38002

(C) Environment, agent, time

☐ 38003

(D) Environment, agent, host

☐ 38004

Right Answer :

Environment, agent, host

Right Option Id : 38004

Question 16

Which of the following is the lowest level in NRHM (National Rural Health Mission) infrastructure?

Answer :

(A) PHC level

Option Id

☐ 34001

(B) Subhealth centre level

☐ 34002

(C) ASHA

☐ 34003

(D) Block level hospital

☐ 34004

Right Answer :

ASHA

Right Option Id : 34003

Question 17

What is the formula for calculating birth rate?

Answer :

(A) No. of live births during year / estimated mid-year population*1000

Option Id

☐ 36001

(B) No. of live births / total no. of births

☐ 36002

(C) No. of births / no. of deaths *100

☐ 36003

(D) No. of live births / no. of deaths

Right Answer :

No. of live births during year / estimated mid-year population*1000

Right Option Id : 36001

Question 18

Which one of the following is not an anti-tubercular drug?

Answer :

- (A) Rifampicin
- (B) Doxycycline
- (C) Isoniazid
- (D) Ethambutol

Question Id : 37

Option Id

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

Right Answer :

Doxycycline

Right Option Id : 37002

Question 19

"Bamboo spine" is a radiological feature of which of the following?

Answer :

- (A) Rheumatoid arthritis
- (B) Psoriatic arthritis
- (C) Ankylosing spondylitis
- (D) Osteoarthritis

Question Id : 29

Option Id

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

Right Answer :

Ankylosing spondylitis

Right Option Id : 29003

Question 20

What is the normal value of ventilation-perfusion ratio?

Answer :

- (A) 1
- (B) 0
- (C) 4
- (D) 2

Question Id : 22

Option Id

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

Right Answer :

1

Right Option Id : 22001

Question 21

First heart sound signifies ____.

Answer :

- (A) Closing of SL valves
- (B) Opening of SL valves
- (C) Closing of AV valves
- (D) Opening of AV valves

Question Id : 2

Option Id

- ☐ 2001
- ☐ 2002
- ☐ 2003
- ☐ 2004

Right Answer :

Closing of AV valves

Right Option Id : 2003

Question 22

Progressive dilation and destruction of bronchi and bronchioles is termed as:

Answer :

- (A) Bronchiectasis
- (B) Bronchitis
- (C) Emphysema
- (D) Asthma

Right Answer :

Bronchiectasis

Question Id : 20

Option Id

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

Right Option Id : 20001

Question 23

Resistance exercise training has its effect on which of the following?

Answer :

- (A) Vo2 max
- (B) Fat free body mass
- (C) Muscle strength and endurance
- (D) All of the these

Right Answer :

All of the these

Question Id : 3

Option Id

- ☐ 3001
- ☐ 3002
- ☐ 3003
- ☐ 3004

Right Option Id : 3004

Question 24

What is the correct order of phases of autogenic drainage?

Answer :

- (A) Unsticking, evacuation, collection
- (B) Unsticking, collection, evacuation
- (C) Evacuation, unsticking, collection
- (D) Collection, evacuation, unsticking

Right Answer :

Unsticking, collection, evacuation

Question Id : 21

Option Id

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

Right Option Id : 21002

Question 25

Forearm rest is seen in which among the following?

Answer :

- (A) Standard walking frame
- (B) Reciprocal walking frame
- (C) Gutter frame
- (D) Rollator

Right Answer :

Gutter frame

Question Id : 4

Option Id

- ☐ 4001
- ☐ 4002
- ☐ 4003
- ☐ 4004

Right Option Id : 4003

Question 26

What is the concession given to visually handicapped person who travels by air?

Answer :

Question Id : 5

Option Id

(A) 50%

☐ 5001

(B) 25%

☐ 5002

(C) 75%

☐ 5003

(D) 80%

☐ 5004

Right Answer :

50%

Right Option Id : 5001

Question 27

Which one of the following is a measure of dispersion?

Question Id : 6

Answer :

Option Id

(A) Median

☐ 6001

(B) Mode

☐ 6002

(C) Standard error

☐ 6003

(D) Standard deviation

☐ 6004

Right Answer :

Standard deviation

Right Option Id : 6004

Question 28

What is the Pictorial diagram of frequency distribution?

Question Id : 7

Answer :

Option Id

(A) Pie diagram

☐ 7001

(B) Pictogram

☐ 7002

(C) Histogram

☐ 7003

(D) Bar diagram

☐ 7004

Right Answer :

Histogram

Right Option Id : 7003

Question 29

Basic mechanical principle of orthotic correction is ____.

Question Id : 8

Answer :

Option Id

(A) Law of James

☐ 8001

(B) Law of Jack

☐ 8002

(C) Law of Jordan

☐ 8003

(D) Law of Inertia

☐ 8004

Right Answer :

Law of Jordan

Right Option Id : 8003

Question 30

What is the rule to estimate the surface area of burns?

Question Id : 9

Answer :

Option Id

(A) Rule of 8

☐ 9001

(B) Rule of 10

☐ 9002

(C) Rule of 3

☐ 9003

(D) Rule of 9

☐ 9004

Right Answer :

Rule of 9

Right Option Id : 9004

Question 31

Which of the following exercises are included in Chest Physiotherapy?

Answer :

(A) Inspiratory breathing exercises

(B) Nebulization

(C) Postural drainage

(D) All of these

Question Id : 10

Option Id

☐ 10001

☐ 10002

☐ 10003

☐ 10004

Right Answer :

All of these

Right Option Id : 10004

Question 32

How many numbers of clinical stages are there in frozen shoulder?

Answer :

(A) 5

(B) 3

(C) 7

(D) 2

Question Id : 11

Option Id

☐ 11001

☐ 11002

☐ 11003

☐ 11004

Right Answer :

3

Right Option Id : 11002

Question 33

Which assessment is commonly used to evaluate the functional ability and balance of older adults?

Answer :

(A) Visual Analog Scale (VAS)

(B) Timed Up and Go (TUG) Test

(C) Fugl-Meyer Assessment

(D) Borg Rating of Perceived Exertion (RPE) Scale

Question Id : 12

Option Id

☐ 12001

☐ 12002

☐ 12003

☐ 12004

Right Answer :

Timed Up and Go (TUG) Test

Right Option Id : 12002

Question 34

Which is the first bone to ossify in human body?

Answer :

(A) Humerus

(B) Femur

(C) Patella

(D) Clavicle

Question Id : 13

Option Id

☐ 13001

☐ 13002

☐ 13003

☐ 13004

Right Answer :

Clavicle

Right Option Id : 13004

Question 35

Natural occurring immunity is known as ____.

Answer :

- (A) Active immunity
- (B) Passive immunity
- (C) Innate immunity
- (D) Acquired immunity

Question Id : 14

Option Id

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

Right Answer :

Innate immunity

Right Option Id : 14003

Question 36

Antipsychotic drugs hyper poisoning can cause which of the following?

Answer :

- (A) Bradycardia and Hypertension
- (B) Bradycardia and Hypotension
- (C) Tachycardia and Hypotension
- (D) Tachycardia and Hypertension

Question Id : 15

Option Id

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

Right Answer :

Tachycardia and Hypotension

Right Option Id : 15003

Question 37

What is the unit measurement of Capacitance?

Answer :

- (A) Columb
- (B) Farad
- (C) Calorie
- (D) Volt

Question Id : 16

Option Id

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

Right Answer :

Farad

Right Option Id : 16002

Question 38

In Interferential therapy, two medium frequency currents are used to produce which type of frequency effect?

Answer :

- (A) High frequency effect
- (B) Low frequency effect
- (C) Medium frequency effect
- (D) None of these

Question Id : 17

Option Id

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

Right Answer :

Low frequency effect

Right Option Id : 17002

Question 39

The frequency used in Short Wave Diathermy (SWD) for treatment is __.

Answer :

- (A) 22.124 Hz
- (B) 13.56 Hz
- (C) 27.12 Hz
- (D) 40.68 Hz

Right Answer :

27.12 Hz

Question Id : 18

Option Id

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

Right Option Id : 18003

Question 40

Which of the following is a goal of Handicapped individual rehabilitation?

Answer :

- (A) Orientation
- (B) Mobility
- (C) Physical independence
- (D) All of these

Right Answer :

All of these

Question Id : 19

Option Id

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

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

Right Answer :

170 cm

Question Id : 42

Option Id

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

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

Right Answer :

548

Question Id : 43

Option Id

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

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 reduces the selling price of an item from Rs. 400 to Rs. 380, his loss increase 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 15 km/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

Question 61

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

Right Answer :

Amarkantak

Question Id : 77

Option Id

- ☐ 77001
- ☐ 77002
- ☐ 77003
- ☐ 77004

Right Option Id : 77003

Question 62

_____ is an Indian classical dance form developed in Kerala.

Answer :

- (A) Rouf
- (B) Kuchipudi
- (C) Mohiniyattam
- (D) Bhavai

Right Answer :

Mohiniyattam

Question Id : 74

Option Id

- ☐ 74001
- ☐ 74002
- ☐ 74003
- ☐ 74004

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

Right Answer :

Hydrogen

Question Id : 75

Option Id

- ☐ 75001
- ☐ 75002
- ☐ 75003
- ☐ 75004

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

Right Answer :

Kuiper Belt

Question Id : 76

Option Id

- ☐ 76001
- ☐ 76002
- ☐ 76003
- ☐ 76004

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)

Question Id : 73

Option Id

- ☐ 73001

(B) International Monetary Fund (IMF)

☐ 73002

(C) World Bank

☐ 73003

(D) United Nations Conference on Trade and Development

☐ 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) MALAYALAM

Answer :

Option Id

(A) 1

☐ 70001

(B) 2

☐ 70002

(C) 3

☐ 70003

(D) 4

☐ 70004

Right Answer :

2

Right Option Id : 70002

Question 73

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

Right Answer :

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

Question Id : 62

Option Id

- ☐ 62001
- ☐ 62002
- ☐ 62003
- ☐ 62004

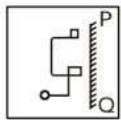
Right Option Id : 62004

Question 74

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

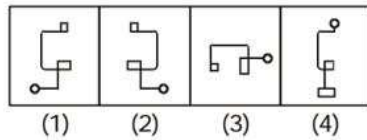
Question figure :

प्रश्न आकृति:



Answer figures :

उत्तर आकृति:



Answer :

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

Option Id

- ☐ 63001
- ☐ 63002
- ☐ 63003
- ☐ 63004

Right Answer :

2

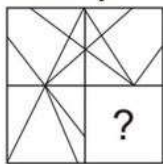
Right Option Id : 63002

Question 75

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

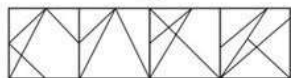
Question Figure

प्रश्न आकृति:



Answer Figure

उत्तर आकृति:



- (a) (b) (c) (d)

Answer :

- (A) (a)
- (B) (b)
- (C) (c)
- (D) (d)

Option Id

- ☐ 65001
- ☐ 65002
- ☐ 65003
- ☐ 65004

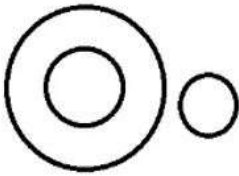
Right Answer :

(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**

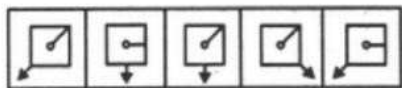
Select a figure from the Answer figures which will continue the same series as established by the five Problem Figures.

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

(D) 4

Option Id

☐ 67001

☐ 67002

☐ 67003

☐ 67004

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 had 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 :

Question Id : 94

Option Id

- (A) You have practically won. ☐ 94001
- (B) You have full right to disagree. ☐ 94002
- (C) You have tendency rights to property's floor. ☐ 94003
- (D) You have full permission to speak your mind now. ☐ 94004

Right Answer :

You have full permission to speak your mind now.

Right Option Id : 94004

Question 87

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

Answer :

- (A) Baron
- (B) Pauper
- (C) Righteous
- (D) Aristocrat

Question Id : 93

Option Id

- ☐ 93001
- ☐ 93002
- ☐ 93003
- ☐ 93004

Right Answer :

Pauper

Right Option Id : 93002

Question 88

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 :

- (A) Mountain
- (B) Snow
- (C) Mountain peak
- (D) Mountain range

Option Id

- ☐ 92001
- ☐ 92002
- ☐ 92003
- ☐ 92004

Right Answer :

Snow

Right Option Id : 92002

Question 89

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 :

- (A) 1,500 miles
- (B) 1,000 miles

Option Id

- ☐ 91001
- ☐ 91002

Question Id : 91

(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 (H₂O) molecule resembles with which of the following?

Answer :

Option Id

(A) Structure of CH₄ molecule

☐ 88001

(B) Structure of CO₂ molecule

☐ 88002

(C) Structure of SO₂ molecule

☐ 88003

(D) Structure of BeH₂ molecule

☐ 88004

Right Answer :

Structure of SO₂ molecule

Right Option Id : 88003

Question 93

Question Id : 87

Rainbow is formed due to a combination of

Answer :

- (A) refraction and absorption
- (B) dispersion and diffraction
- (C) refraction and scattering
- (D) dispersion and total internal reflection

Option Id

- ☐ 87001
- ☐ 87002
- ☐ 87003
- ☐ 87004

Right Answer :

dispersion and total internal reflection

Right Option Id : 87004

Question 94

Which among the following is an isoelectronic pair?

Answer :

- (A) NH_3 and CH_3^+
- (B) NH_3 and CH_3^-
- (C) CO and CH_4
- (D) NH_4^+ and CH_4

Question Id : 86

Option Id

- ☐ 86001
- ☐ 86002
- ☐ 86003
- ☐ 86004

Right Answer :

NH_3 and 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

Question Id : 83

Option Id

- ☐ 83001
- ☐ 83002

(C) velocity

☐ 83003

(D) amplitude

☐ 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