

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

Exam Date : 06/09/2023

Time : 09:30 AM - 12:30 PM

SECTION 1

Question 1

For which of the following substances the safety sign of toxic should be put?

Answer :

(A) Alkali

(B) Potassium Cyanide

(C) Chloroform

(D) Ether

Question Id : 1

Option Id

1001

1002

1003

1004

Right Answer :

Potassium Cyanide

Right Option Id : 1002

Question 2

Which one is low complexity tests among the following test?

Answer :

(A) antibiotic sensitivity test

(B) determination of erythrocyte sedimentation rate

(C) determination of level of drugs

(D) ELISA test for HIV

Question Id : 24

Option Id

24001

24002

24003

24004

Right Answer :

determination of erythrocyte sedimentation rate

Right Option Id : 24002

Question 3

You are working in the pathology laboratory, from following which important step you will follow to minimize the infections?

Answer :

(A) leave the infected material anywhere

(B) frequently touch mouth, nose and eyes by hands

(C) only use push button pipettes and dispensers

(D) use mouth pipettes

Question Id : 25

Option Id

25001

25002

25003

25004

Right Answer :

only use push button pipettes and dispensers

Right Option Id : 25003

Question 4

What is the conventional unit used for the level of glucose in blood?

Answer :

(A) mg/dl

(B) gm/l

(C) mEq/L

(D) g/dl

Question Id : 26

Option Id

26001

26002

26003

26004

Right Answer :

mg/dl

Right Option Id : 26001

Question 5

The biomedical waste of collected tissues for biopsy should be discarded in ____.

Answer :

- (A) Black bag
- (B) White bag
- (C) Red bag
- (D) Yellow bag

Question Id : 27

Option Id

- 27001
- 27002
- 27003
- 27004

Right Answer :

Yellow bag

Right Option Id : 27004

Question 6

From following, which component of cell plays important role in the intracellular digestion of foreign matter within the cell?

Answer :

- (A) Golgi apparatus
- (B) DNA
- (C) RNA
- (D) lysosome

Question Id : 28

Option Id

- 28001
- 28002
- 28003
- 28004

Right Answer :

lysosome

Right Option Id : 28004

Question 7

Which reagent reacts with fructose to form red colored compound?

Answer :

- (A) Seliwanoff's reagent
- (B) Benedict's reagent
- (C) Sodium carbonate reagent
- (D) Cupric sulfate reagent

Question Id : 32

Option Id

- 32001
- 32002
- 32003
- 32004

Right Answer :

Seliwanoff's reagent

Right Option Id : 32001

Question 8

Which of the following mechanisms does the liver develop that plays an important role in a human body?

Answer :

- (A) conversion of glucose to pyruvate
- (B) metabolism of glucose
- (C) conversion of glucose to glycogen
- (D) release of glycogen from glucose

Question Id : 30

Option Id

- 30001
- 30002
- 30003
- 30004

Right Answer :

conversion of glucose to glycogen

Right Option Id : 30003

Question 9

Question Id : 31

Which urine sample you will collect for test of proteinuria of the patient?

Answer :

- (A) random urine collection
- (B) early morning urine collection
- (C) 12 hours urine collection
- (D) 24 hours urine collection

Option Id

- 31001
- 31002
- 31003
- 31004

Right Answer :

24 hours urine collection

Right Option Id : 31004

Question 10

What is the normal plasma urea level?

Answer :

- (A) 5-10 mg/dl
- (B) 10-20 mg/dl
- (C) 15- 45 mg/dl
- (D) 50-65 mg/dl

Question Id : 23

Option Id

- 23001
- 23002
- 23003
- 23004

Right Answer :

15- 45 mg/dl

Right Option Id : 23003

Question 11

What will you keep in mind while concentrated acids are diluted in the glass ware cylinder?

Answer :

- (A) always add acids to water with constant stirring
- (B) directly pour the acid to water
- (C) mix sulfuric acid and water in glass cylinder
- (D) use heat when pour the alkalis poured to the water

Question Id : 33

Option Id

- 33001
- 33002
- 33003
- 33004

Right Answer :

always add acids to water with constant stirring

Right Option Id : 33001

Question 12

At which temperature the buffer solutions should be stored?

Answer :

- (A) 1-2 °C
- (B) 2-8 ° C
- (C) 9-18 ° C
- (D) 18-36 ° C

Question Id : 35

Option Id

- 35001
- 35002
- 35003
- 35004

Right Answer :

2-8 ° C

Right Option Id : 35002

Question 13

For the separation of fractions of serum proteins, which type of centrifuge can be used?

Answer :

- (A) High Speed Centrifuge
- (B) High Speed Cooling Centrifuge

Question Id : 40

Option Id

- 40001

(C) Ultra Centrifuge

40002

(D) Low Centrifuge

40003

40004

Right Answer :
Ultra Centrifuge

Right Option Id : 40003

Question 14

Question Id : 39

For which blood test the lavender tube which contains EDTA, is used?

Answer :

Option Id

(A) Serum

39001

(B) Whole Blood for CBC

39002

(C) Whole Blood for ESR

39003

(D) Plasma for Blood Glucose

39004

Right Answer :
Whole Blood for CBC

Right Option Id : 39002

Question 15

Question Id : 38

What will you apply to the arm for making the veins more prominent and easier to enter the needle?

Answer :

Option Id

(A) Needle

38001

(B) IV cannula

38002

(C) Gloves

38003

(D) Tourniquet

38004

Right Answer :
Tourniquet

Right Option Id : 38004

Question 16

Question Id : 34

How will you recognize whether the blood specimen is hemolyzed?

Answer :

Option Id

(A) thick plasma or serum

34001

(B) white plasma or serum

34002

(C) bluish plasma or serum

34003

(D) pink plasma or serum

34004

Right Answer :
pink plasma or serum

Right Option Id : 34004

Question 17

Question Id : 36

The bacteria which retain the stain crystal violet by gram's technique are called as?

Answer :

Option Id

(A) gram positive

36001

(B) gram negative

36002

(C) gram neutral

36003

(D) gram equal

36004

Right Answer :
gram positive

Right Option Id : 36001

Question 18

How much time E. Coli takes for the growth and division of a bacterium into two cells?

Answer :

- (A) 10-19 minutes
- (B) 20-23 minutes
- (C) 2 hours
- (D) 24 hours

Question Id : 37

Option Id

- 37001
- 37002
- 37003
- 37004

Right Answer :
20-23 minutes

Right Option Id : 37002

Question 19

Which organism is responsible for Syphilis?

Answer :

- (A) Rickettsia species
- (B) Treponema Pallidum
- (C) Vibrio cholerae
- (D) Shigella

Question Id : 29

Option Id

- 29001
- 29002
- 29003
- 29004

Right Answer :
Treponema Pallidum

Right Option Id : 29002

Question 20

For culture method of laboratory diagnosis of fungal disease, which media is used?

Answer :

- (A) Giemsa
- (B) PAS (Periodic Acid-Schiff) Stain
- (C) Indian ink
- (D) SDA (Sabouraud Dextrose Agar)

Question Id : 22

Option Id

- 22001
- 22002
- 22003
- 22004

Right Answer :
SDA (Sabouraud Dextrose Agar)

Right Option Id : 22004

Question 21

What is the full form of HIV?

Answer :

- (A) Human Immune Virus
- (B) Human Immunodeficiency Virus
- (C) Human Hepatitis Virus
- (D) Human Hysterical Virus

Question Id : 2

Option Id

- 2001
- 2002
- 2003
- 2004

Right Answer :
Human Immunodeficiency Virus

Right Option Id : 2002

Question 22

From following which does not contain DNA?

Answer :

- (A) Red blood cells
- (B) White blood cells
- (C) Mitochondria
- (D) Golgi apparatus

Right Answer :

Red blood cells

Question Id : 20

Option Id

- 20001
- 20002
- 20003
- 20004

Right Option Id : 20001

Question 23

What is the life span of platelets in humans?

Answer :

- (A) 8-11 days
- (B) 120 days
- (C) 15-25 days
- (D) 240 days

Right Answer :

8-11 days

Question Id : 3

Option Id

- 3001
- 3002
- 3003
- 3004

Right Option Id : 3001

Question 24

Which major veins empty the blood in the right atrium?

Answer :

- (A) Carotid Vein
- (B) Cephalic Vein
- (C) Pulmonary Vein
- (D) Superior and Inferior Vena Cava

Right Answer :

Superior and Inferior Vena Cava

Question Id : 21

Option Id

- 21001
- 21002
- 21003
- 21004

Right Option Id : 21004

Question 25

Which is the largest part of the brain?

Answer :

- (A) neuroglia
- (B) mid brain
- (C) cerebrum
- (D) cerebellum

Right Answer :

cerebrum

Question Id : 4

Option Id

- 4001
- 4002
- 4003
- 4004

Right Option Id : 4003

Question 26

Which gland synthesizes the growth hormone?

Answer :

Question Id : 5

Option Id

- (A) Thyroid 5001
- (B) Pancreas 5002
- (C) Hypothalamus 5003
- (D) Anterior Pituitary 5004

Right Answer :
Anterior Pituitary

Right Option Id : 5004

Question 27

Which activity of respiration requires energy?

Answer :

- (A) Expiration
- (B) Inspiration
- (C) Pause
- (D) Inspection

Right Answer :
Inspiration

Question Id : 6

Option Id

- 6001
- 6002
- 6003
- 6004

Right Option Id : 6002

Question 28

Which chemical digestion takes place in the small intestine?

Answer :

- (A) formation of chyme
- (B) proteins are broken down to amino acids
- (C) formation of stool
- (D) conversion of glucose to glycogen

Right Answer :
proteins are broken down to amino acids

Question Id : 7

Option Id

- 7001
- 7002
- 7003
- 7004

Right Option Id : 7002

Question 29

Which processes are involved in the formation of urine in the kidney?

Answer :

- (A) simple filtration, selective reabsorption, secretion
- (B) digestion, absorption, secretion
- (C) filtration, regulation, excretion
- (D) digestion, expiration

Right Answer :
simple filtration, selective reabsorption, secretion

Question Id : 8

Option Id

- 8001
- 8002
- 8003
- 8004

Right Option Id : 8001

Question 30

Which is the most superficial layer of the skin?

Answer :

- (A) dermis
- (B) germinative layer
- (C) epidermis

Question Id : 9

Option Id

- 9001
- 9002
- 9003

(D) subcutaneous tissue

9004

Right Answer :

epidermis

Right Option Id : 9003

Question 31

The immunity provided by T-cells are called as ___.

Answer :

(A) innate immunity

(B) phagocytosis

(C) humoral immunity

(D) cell mediated immunity

Question Id : 10

Option Id

10001

10002

10003

10004

Right Answer :

cell mediated immunity

Right Option Id : 10004

Question 32

Where is the spermatozoa produced?

Answer :

(A) ovaries

(B) testes

(C) urethra

(D) prostate gland

Question Id : 11

Option Id

11001

11002

11003

11004

Right Answer :

testes

Right Option Id : 11002

Question 33

What is the death of cell in a living tissue following harmful injury called as?

Answer :

(A) morphology

(B) infection

(C) inflammation

(D) necrosis

Question Id : 12

Option Id

12001

12002

12003

12004

Right Answer :

necrosis

Right Option Id : 12004

Question 34

From following which are the cytokines?

Answer :

(A) Interlukin-1

(B) Neutrophils

(C) Eosinophils

(D) Platelets

Question Id : 13

Option Id

13001

13002

13003

13004

Right Answer :

Interlukin-1

Right Option Id : 13001

Question 35

Who will mostly collect the histopathological specimens from patient's body?

Answer :

- (A) Nurse
- (B) Anesthetist
- (C) Surgeon
- (D) MLT students

Right Answer :
Surgeon

Question Id : 14

Option Id

- 14001
- 14002
- 14003
- 14004

Right Option Id : 14003**Question 36**

What is the criteria of rejection of receiving any specimen of histopathology in laboratory?

Answer :

- (A) details of specimen site are not documented
- (B) not taken by laboratory technician
- (C) not given hand to hand
- (D) not taken in lab

Right Answer :
details of specimen site are not documented

Question Id : 15

Option Id

- 15001
- 15002
- 15003
- 15004

Right Option Id : 15001**Question 37**

What is the gross examination of tissues in histopathology?

Answer :

- (A) inspected with the microscope
- (B) acid neutralization
- (C) washing
- (D) inspected with the bare eyes

Right Answer :
inspected with the bare eyes

Question Id : 16

Option Id

- 16001
- 16002
- 16003
- 16004

Right Option Id : 16004**Question 38**

Which branch of medicine that deals with the study of red blood cells?

Answer :

- (A) pathology
- (B) cytology
- (C) hematology
- (D) histopathology

Right Answer :
hematology

Question Id : 17

Option Id

- 17001
- 17002
- 17003
- 17004

Right Option Id : 17003**Question 39****Question Id : 18**

Which component gives red color to red blood cells?

Answer :

- (A) Platelets
- (B) Hemoglobin
- (C) Leukocytes
- (D) Eosinophils

Option Id

- 18001
- 18002
- 18003
- 18004

Right Answer :

Hemoglobin

Right Option Id : 18002

Question 40

What does the MCV stand for?

Answer :

- (A) Mean Corpuscular Volume
- (B) Mean Corpuscular Hemoglobin Concentration
- (C) Mean Cystic Volume
- (D) Mean Cell Volume

Question Id : 19

Option Id

- 19001
- 19002
- 19003
- 19004

Right Answer :

Mean Corpuscular Volume

Right Option Id : 19001

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 :

- (A) 45

Question Id : 44

Option Id

(B) 40

44001

(C) 35

44002

(D) 30

44003

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%

(C) 4%

Question Id : 48

Option Id

48001

48002

(D) 7%

48003

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

(B) 4

(C) 6

(D) 8

Question Id : 49

Option Id

49001

49002

49003

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

(B) 174/6

(C) 174/3

(D) 174/4

Question Id : 41

Option Id

41001

41002

41003

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

(B) 14

(C) 21

(D) 35

Question Id : 50

Option Id

50001

50002

50003

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.

(B) $2\frac{1}{5}$ mins/ मिनट.

(C) $1\frac{3}{5}$ mins/ मिनट.

Question Id : 60

Option Id

60001

60002

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 :

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

(B) 2 m/sec

(C) 3 m/sec

(D) 5 m/sec

Option Id

56001

56002

56003

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 :

(A) 92

(B) 106

(C) 77

(D) 66

Option Id

57001

57002

57003

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 :

(A) 5 : 2

(B) 35 : 11

Option Id

58001

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
- 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) MAAJAJAM

(4) MAAYAYAM

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 :

Option Id

(A) $36\ 4\ 5\ 8\ 7\ P\ 4 = 10$

62001

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

62002

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

62003

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

62004

Right Answer :

Right Option Id : 62004

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

Question 74

Question Id : 63

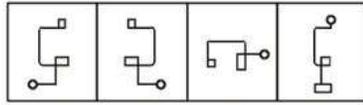
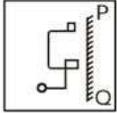
Which of the answer figures is exactly the mirror image of the question figure, when the mirror is held on the line PQ?

Question figure :

Answer figures :

प्रश्न आकृति:

उत्तर आकृति:



(1)

(2)

(3)

(4)

Answer :

Option Id

(A) 1

63001

(B) 2

63002

(C) 3

63003

(D) 4

63004

Right Answer :

Right Option Id : 63002

2

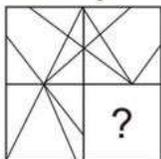
Question 75

Question Id : 65

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

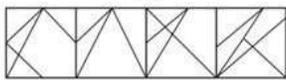
Question Figure

प्रश्न आकृति:



Answer Figure

उत्तर आकृति:



(a)

(b)

(c)

(d)

Answer :

Option Id

(A) (a)

65001

(B) (b)

65002

(C) (c)

65003

(D) (d)

65004

Right Answer :

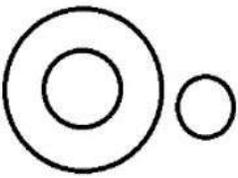
Right Option Id : 65002

(b)

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

If 'when' means 'x', 'you' means '+', '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

Question Id : 61

Option Id

- 61001
- 61002
- 61003
- 61004

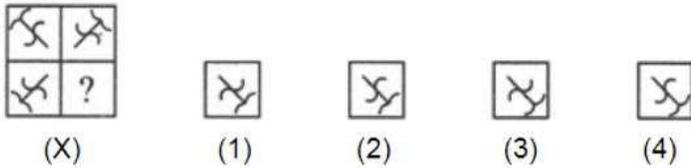
Right Answer :

94

Right Option Id : 61003

Question 78

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

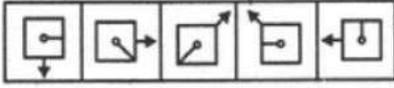
Right Option Id : 66004

Question 79

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

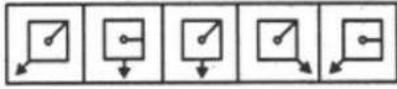
Question Id : 67

Problem Figures/समस्या आकृतियों



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

Answer Figures/उत्तर आकृतियों



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

Answer :

(A) 1

(B) 2

Option Id

67001

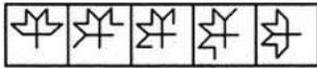
67002

Question 80

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

Question Id : 68

Problem Figures/समस्या आकृतियों



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

Answer Figures/उत्तर आकृतियों



(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

Question Id : 99

Answer :

(A) Unhappy

(B) Sullen

(C) Conceited

(D) Glum

Option Id

99001

99002

99003

99004

Right Answer :

Conceited

Right Option Id : 99003

Question 82

Question Id : 98

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.

Option Id

- 98001
- 98002
- 98003
- 98004

Right Answer :

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

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.

Question Id : 97

Option Id

- 97001
- 97002
- 97003
- 97004

Right Answer :

She said that oil floats on water.

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

Question Id : 96

Option Id

- 96001
- 96002
- 96003
- 96004

Right Answer :

a capital

Right Option Id : 96002

Question 85

The correctly spelt word is:

Answer :

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

Question Id : 95

Option Id

- 95001
- 95002
- 95003
- 95004

Right Answer :

attention

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.

Question Id : 94

Answer :

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

Option Id

- 94001
- 94002
- 94003
- 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.

Question Id : 92

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.

Question Id : 91

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

Answer :

Option Id

- (A) 1,500 miles
- (B) 1,000 miles
- (C) 2,400 miles
- (D) 3,000 miles

- 91001
- 91002
- 91003
- 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 :

- (A) 30
- (B) 2
- (C) 9
- (D) 15

Option Id

- 81001
- 81002
- 81003
- 81004

Right Answer :

9

Right Option Id : 81003

Question 91

Question Id : 89

Which statement is incorrect about a compound?

Answer :

- (A) The constituents of a compound cannot be separated by a physical method.
- (B) Elements in a compound always present in a definite proportion by mass.
- (C) Compound is homogenous in nature.
- (D) The constituents retain their identity in a compound.

Option Id

- 89001
- 89002
- 89003
- 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 :

- (A) Structure of CH₄ molecule
- (B) Structure of CO₂ molecule
- (C) Structure of SO₂ molecule
- (D) Structure of BeH₂ molecule

Option Id

- 88001
- 88002
- 88003
- 88004

Right Answer :

Structure of SO₂ molecule

Right Option Id : 88003

Question 93

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

Right Answer :

dispersion and total internal reflection

Question Id : 87

Option Id

- 87001
- 87002
- 87003
- 87004

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

Right Answer :

NH_3 and CH_3^-

Question Id : 86

Option Id

- 86001
- 86002
- 86003
- 86004

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

Right Answer :

low melting point and high resistivity

Question Id : 85

Option Id

- 85001
- 85002
- 85003
- 85004

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

Right Answer :

Total internal reflection

Question Id : 84

Option Id

- 84001
- 84002
- 84003
- 84004

Right Option Id : 84002

Question 97

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

Answer :

Question Id : 83

Option Id

- (A) wavelength 83001
- (B) frequency 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

Right Answer :
hypo secretion of growth hormone

Question Id : 82

Option Id

- 82001
- 82002
- 82003
- 82004

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

Right Answer :
amount of water in cells

Question Id : 90

Option Id

- 90001
- 90002
- 90003
- 90004

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

Right Answer :
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 Option Id : 100004