

Railway Recruitment Cell

Post Name : Goods Guard

Exam Code : MASSXAOO

Exam Date : 21-06-2024

Exam Time : 3:00PM

Question No. 1

The Council of Ministers is collectively responsible to the-

- A) Lok Sabha
B) Rajya Sabha
C) Prime Minister
D) President

Answer Key: A

Question No. 2

Hayavadana is a play written by-

- A) Vijay Tendulkar
B) Satyadev Dubey
C) Girish Karnad
D) Habib Tanvir

Answer Key: C

Question No. 3

The arrival of Vasco da Gama in Calicut was in-

- A) 1398
B) 1395
C) 1491
D) 1498

Answer Key: D

Question No. 4

Asian games are held once in every-

- A) 5 years
B) 4 years
C) 3 years
D) 2 years

Answer Key: B

Question No. 5

In which of the following states is the famous Berhampur Thakurani Yatra festival celebrated?

- A) Andhra Pradesh
B) Odisha
C) Tamil Nadu
D) Kerala

Answer Key: B

Question No. 6

Which of the following planets is also called the 'Blue Planet?'

- A) Mars
B) Earth
C) Uranus
D) Venus

Answer Key: B

Question No. 7

With which of the following games is the term 'Pommel Horse' associated?

- A) Chess
- B) Stakeboarding
- C) Badminton
- D) Gymnastics

Answer Key: D

Note: Translation error in Telugu. Hence answer key is option 3 only in telugu language.

Question No. 8

_____ is an interactive computer-generated experience taking place within a simulated environment.

- A) Augmented Reality
- B) Virtual reality
- C) Artificial intelligence
- D) Internet of things

Answer Key: B

Question No. 9

What is the full form of PFMS?

- A) Public Financial Management System
- B) Personal Finance Management Source
- C) Provident Finance Migration system
- D) Public Funds and Marketing System

Answer Key: A

Question No. 10

Where is the headquarters of South Central Railway zone located?

- A) Mumbai
- B) Jaipur
- C) Secunderabad
- D) Itarasi

Answer Key: C

Question No. 11

Which of the following is also known as International Bank for Reconstruction and Development?

- A) Asian Development Bank
- B) World Bank
- C) Reserve Bank of India
- D) International Monetary Fund

Answer Key: B

Question No. 12

Which of the following taxes is levied by the Union and collected and appropriated by the States?

- A) Passenger and Goods Tax
- B) Estate Duty
- C) Stamp Duty
- D) Taxes on Newspapers

Answer Key: C

Question No. 13

In which of these places was Jantar Mantar NOT built?

- A) Kolkata
- B) New Delhi

C) Varanasi

D) Jaipur

Answer Key: A

Question No. 14

All forms of water that comes down on Earth, including rain, snow, hail etc. are known as-

A) Calcification

B) Fixation

C) Precipitation

D) Accumulation

Answer Key: C

Question No. 15

Sukanya Samriddhi Yojana is-

A) A small deposit savings scheme to promote the welfare of girl children and ensure them a secure future

B) To provide loans to farmers

C) To provide self-employment creation through self-help groups in rural areas

D) To promote organic farming

Answer Key: A

Question No. 16

The number of permanent members in the UN Security Council is-

A) 5

B) 7

C) 8

D) 12

Answer Key: A

Question No. 17

In which Tamil newspaper did Subramanya Bharati work as a sub-editor?

A) Dinamani

B) Swadesamitran

C) Kalki

D) Daily Thanthi

Answer Key: B

Question No. 18

Who is the first Indian Commander-in-Chief of Indian Army in independent India?

A) Sam Manekshaw

B) Bikram Singh

C) K M Cariappa

D) Kuldip Singh Brar

Answer Key: C

Question No. 19

The International Court of Justice was established in the year-

A) 1945

B) 1952

C) 1947

D) 1948

Answer Key: A

Question No. 20

Iron International Limited is mainly related to which of the following?

- A) Railway construction
- B) Oil exploration
- C) Cement production
- D) Petroleum production

Answer Key: A

Question No. 21

Which Indian and UK universities collaborated to develop the robot 'Pepe' to promote child hygiene?

- A) Amrita Vishwa Vidyapeetham University & University of Glasgow
- B) Amrita Vishwa Vidyapeetham University & University of Cambridge
- C) Jawaharlal Nehru University & University of Cambridge
- D) Jawaharlal Nehru University & University of Glasgow

Answer Key: A

Question No. 22

Name the headquarters of the Indian Bureau of Mines.

- A) New Delhi
- B) Pune
- C) Nagpur
- D) Jaipur

Answer Key: C

Question No. 23

Which scheme has been launched by the Union Government for promoting solar farming?

- A) Kisan Urja Suraksha Evam Utthaan Mahabhiyan (KUSUM)
- B) Start-up India
- C) Krishin Urja Suraksha Evam Utthaan Mahaabhiyan
- D) Swaach Bharat

Answer Key: A

Question No. 24

Which of the following is/are a method of storing image information using the image compression algorithms?

- A) JPEG
- B) GIF
- C) Both JPEG and GIF
- D) bmp

Answer Key: C

Question No. 25

Mugger is a species of _____ found in lakes and marshes in the Indian subcontinent.

- A) Lizard
- B) Crocodile
- C) Snake
- D) Turtle

Answer Key: B

Question No. 26

Serious poisoning of well water by ____ usually occurs by accident during the handling of chemicals.

- A) Soil erosion
- B) Pesticides
- C) Over-spilling
- D) Eutrophication

Answer Key: B

Question No. 27

What is the expansion of AWACS in the field of airforce?

- A) Airlines Warning and Connect System
B) Airborne Warning and Control System
C) Airline Warning and Control System
D) Airline Warning and Contact System

Answer Key: B

Question No. 28

Formation of new states and alteration of areas, boundaries, and the name of existing states are specified in which Article of Indian Constitution?

- A) Article 30
B) Article 308
C) Article 309A
D) Article 3

Answer Key: D

Question No. 29

Corvus corax is the scientific name of-

- A) Common Raven
B) Greater Flamingo
C) Pelicans
D) Albatross

Answer Key: A

Question No. 30

Archaeological site Burzahom is in which state?

- A) Sikkim
B) Tripura
C) Jammu and Kashmir
D) Himachal Pradesh

Answer Key: C

Question No. 31

Annie Besant was associated with which of the following movements?

- A) Non-Cooperation Movement
B) Home Rule Movement
C) Khilafat Movement
D) Civil Disobedience Movement

Answer Key: B

Question No. 32

Which of these is an example of Pallava architecture situated at Mamallapuram in Tamilnadu?

- A) Descent of the Ganges
B) Descent of the Cauvery
C) Descent of the Thungabadhra
D) Descent of the Godavari

Answer Key: A

Question No. 33

How are Group II elements also known as?

- A) Alkali elements
- C) Rare elements

- B) Transition elements
- D) Alkaline-earth metals

Answer Key: D

Question No. 34

Which of the following algorithms calls itself repeatedly until it solves a problem?

- A) Greedy algorithm
- C) Recursive algorithm
- B) Divide-and-conquer algorithm
- D) Backtracking algorithm

Answer Key: C

Question No. 35

Which of the following group of countries proposed in May, 2024 'drone wall' on Russian border?

- A) GCC
- C) NATO
- B) CARICOM
- D) USMCA

Answer Key: C

Question No. 36

Which ministry in April, 2024 issued an advisory to the Artificial Intelligence industry?

- A) Ministry of Law and Justice
- C) Ministry of Electronics and Information Technology
- B) Ministry of Communications
- D) Ministry of Information and Broadcasting

Answer Key: C

Question No. 37

Who is the author of the novel 'The Guide'?

- A) R.K. Narayan
- C) V.S. Naipaul
- B) Alfred Tennyson
- D) Nirad C. Chaudhuri

Answer Key: A

Question No. 38

In which of the following countries is the Great Victoria Desert located?

- A) Canada
- C) Australia
- B) South Africa
- D) North America

Answer Key: C

Question No. 39

Where is the headquarters of the South Eastern Railway zone located?

- A) Mumbai
- C) Jabalpur
- B) Vijayawada
- D) Kolkata

Answer Key: D

Question No. 40

Who is the author of the book "My Country My Life"?

A) V.S. Naipaul

B) Abul Kalam Azad

C) L.K. Advani

D) Atal Bihari Vajpayee

Answer Key: C

Question No. 41

Three times the square of a number decreased by 4 times the number is equal to 50 more than the number. Find the number.

A) 4

B) 5

C) 6

D) 10

Answer Key: B

Question No. 42

Simplify: $\frac{2\frac{1}{3}-1\frac{2}{11}}{3+\frac{1}{3+\frac{1}{3+\frac{1}{3}}}}$

A)

38/109

B)

33/109

C)

1

D)

109/38

Answer Key: A

Question No. 43

If A, B are two natural numbers >1 and their H.C.F is 1, then which of these statements is always TRUE?

A) A, B are both prime numbers

B) A, B are coprime to each other

C) Product AB is a prime number

D) A, B are even consecutive numbers

Answer Key: B

Question No. 44

What is the ratio of Simple Interest earned on a certain amount of money at the same rate in 6 years and 9 years respectively?

A) 1 : 3

B) 1 : 2

C) 2 : 3

D) 1 : 5

Answer Key: C

Question No. 45

Find the volume of a cylinder whose radius is one-third the radius of a circle of area 1386 cm^2 and height is twice its radius.

A) 2584 cm^3

B) 3562 cm^3

C) 3246 cm^3

D) 2156 cm^3

Answer Key: D

Question No. 46

The sum of the squared deviations of a set of value is least if measured from _____.

A) Arithmetic mean

B) Median

C) Mode

D) Standard deviation

Answer Key: A

Question No. 47

The sum of the absolute values of deviations is least when taken from the _____.

A) Arithmetic mean

B) Geometric mean

C) Mode

D) Median

Answer Key: D

Question No. 48

If $0 < \theta \leq 90^\circ$, solve for ' θ ' where $\cos^2 \theta - 3 \cos \theta + 2 = 2 \sin^2 \theta$.

A) 90°

B) 30°

C) 60°

D) 45°

Answer Key: A

Question No. 49

If 12 men and 6 boys can do a work in 4 days and 4 men and 14 boys can do the same work in 8 days, then find the ratio of efficiency of a man to that of a boy.

A) 2 : 5

B) 7 : 8

C) 11 : 2

D) 3 : 7

Answer Key: C

Question No. 50

The difference between Compound Interest and Simple Interest on a certain sum in two years is Rs.200. Find the rate of interest, if the Simple Interest is Rs.1000 per annum.

A) 30%

B) 20%

C) 25%

D) 50%

Answer Key: B

Question No. 51

If HCF of two numbers is 16, which of the following CANNOT be their LCM?

A) 64

B) 192

C) 210

D) 128

Answer Key: C

Question No. 52

If the length of a rectangle is increased by 20%, then to maintain the same area, the breadth must be decreased by-

A) $(50/3)\%$

B) $(20/3)\%$

C) $(25/4)\%$

D) 20%

Answer Key: A

Question No. 53

The LCM and HCF of two numbers are 1240 and 31 respectively. How many such numbers are possible? Which number pair has the smaller sum?

A) 1, (31, 1240)

B) 2, (155, 248)

C) 2, (31, 1240)

D) 1, (155, 248)

Answer Key: B

Question No. 54

Find the sum of the prime factors of 161, 141 and 341.

A) 120

B) 132

C) 122

D) 112

Answer Key: C

Question No. 55

An alloy P contains 50% gold and 50% silver. Alloy Q has 40% gold, 50% silver and 10% copper. The two alloys are mixed in the ratio 2 : 3. What is the ratio of gold and silver in the newly formed alloy?

A) 22 : 25

B) 7 : 8

C) 5 : 3

D) 25 : 24

Answer Key: A

Question No. 56

If $a/b = 2/3$ and $b/c = 4/5$, then find $(a + c) / (a - c)$.

A) $22/7$

B) $-23/7$

C) $-9/7$

D) $9/7$

Answer Key: B

Question No. 57

Simplify: $\frac{(0.05+0.25)^2 - (0.05-0.25)^2}{4 \times 0.05 \times 0.25}$

Form the quadratic polynomial with zeroes $-\frac{1}{2}$ and $-\frac{1}{3}$

A) $6x^2 - 5x - 1$

B) $6x^2 - 5x + 1$

C) $2x^2 + 3x + 6$

D) $6x^2 + 5x + 1$

Answer Key: D

Question No. 68

A cyclist covers 500 m in 5 minutes. What distance (in km) would the cyclist cover in half an hour if he travels at the same speed?

A) 3

B) 30

C) 6

D) 3000

Answer Key: A

Question No. 69

A retailer sells an item for Rs.486 and makes an 8% profit. If he were to sell that item for Rs.414, then how much percent loss would he make?

A) 12% loss

B) 4% loss

C) 8% loss

D) 10% loss

Answer Key: C

Question No. 70

If the points A(1, 2), O(0, 0) and C(a, b) are collinear, then-

A) $a = b$

B) $a = 2b$

C) $2a = b$

D) $a = -b$

Answer Key: C

Question No. 71

If 'DELHI' is coded as 'CCIDD', how will 'BOMBAY' be coded?

A) AJMTVT

B) AMJXVS

C) AMJVXS

D) AMJXSV

Answer Key: B

Question No. 72

- A) QPNLMF
- C) FMNPLQ

- B) QLPNMF
- D) LQNPFM

Answer Key: B

Question No. 76

In this question, three statements are given followed by four conclusions. Choose the conclusion(s) which best fit(s) logically.

Statements:

- 1) Some bananas are apples.
- 2) All apples are tomatoes.
- 3) Some potatoes are tomatoes.

Conclusions:

- I. Some bananas are tomatoes.
- II. Some potatoes are bananas.
- III. Some apples are potatoes.
- IV. Some apples are bananas.

- A) Only Conclusion I follows
- B) Only Conclusions I and II follow
- C) Only Conclusions I and IV follow
- D) Only Conclusion III follows

Answer Key: C

Question No. 77

Read the following information carefully and answer the question given below.

Five courses — Anatomy, Biotechnology, Chemistry, Physics and English each of one month duration are to be taught from January to May one after the other though not necessarily in the same order by lecturers —Raj, Sunil, Sonu, Ram and Rani. Raj teaches Biotechnology but not in the month of April or May. Sunil teaches course Anatomy in the month of March. Sonu teaches in the month of January but does not teach Chemistry or Physics.

Which lecturer's course immediately follows after Biotechnology course?

- A) Sunil
- B) Raj
- C) Ram
- D) Rani

Answer Key: A

Question No. 78

There are six members in a family 'P', 'Q', 'R', 'S', 'T' and 'U'. 'Q' is the son of 'R', but 'R' is not the mother of 'Q'. 'P' and 'R' are a married couple. 'T' is the brother of 'R'. 'S' is the daughter of 'P'. 'U' is the brother of 'Q'.

Who is the mother of 'Q'?

- A) T
- B) S
- C) P
- D) U

Answer Key: C

Question No. 79

Complete the series.

BCM, DEN, FGO, HIP, (...)

- A) LMS
B) NLR
C) XMT
D) JKQ

Answer Key: D

Question No. 80

Which word will best complete the relationship given below?

Thick : Thin :: Idle : ?

- A) Virtuous
B) Business
C) Industrious
D) Activity

Answer Key: C

Question No. 81

Find the missing number in the following series.

25, 49, 81, 121, (...), 225

- A) 169
B) 49
C) 100
D) 144

Answer Key: A

Question No. 82

In this question, three statements are given followed by four conclusions. Choose the conclusion(s) which best fit(s) logically.

Statements:

- 1) Some spoons are bowls.
- 2) All bowls are knives.
- 3) All knives are forks.

Conclusions:

- I. All spoons are forks.
- II. All bowls are forks.
- III. All knives are bowls.
- IV. Some forks are spoons.

- A) Only conclusions II and III follow
B) Only conclusions II and IV follow
C) Only conclusions III and IV follow
D) None of the conclusions follow

Answer Key: B

Question No. 83

In this question, a statement is given followed by two conclusions. Choose the conclusion(s) which best fit(s) logically.

Statement:

The Government has decided to withdraw the 33% subsidy on the cooking gas from the beginning of next month. - A Government spokesperson.

Conclusions:

I. People these days no longer demand or need such a subsidy from the Government as they can afford the increased price of the cooking gas.

II. The price of cooking gas will increase at least by 33% from next month.

A) Only conclusion I follows

B) Only conclusion II follows

C) Either conclusion I or II follows

D) Neither conclusion I nor II follows

Answer Key: D

Question No. 84

In this question, a statement is given followed by two conclusions. Choose the conclusion(s) which best fit(s) logically.

Statement:

Water supply in wards A and B of the city will be affected by about 50% on Friday because repairing work of the main lines is to be carried out.

Conclusions:

I. The residents in these wards should economise on water on Friday.

II. The residents in these wards should store some water on the previous day.

A) Only conclusion I follows

B) Only conclusion II follows

C) Either conclusion I or II follows

D) Both conclusions I and II follows

Answer Key: D

Question No. 85

- A) Statement I alone is sufficient while statement II alone is not sufficient to answer the question
- B) Statement II alone is sufficient while statement I alone is not sufficient to answer the question
- C) Neither statement I nor II is sufficient to answer the question
- D) Either statement I or II is sufficient to answer the question

Answer Key: D

Question No. 89

In a row of 30 students, A is thirteenth from the left end. What is A's rank from the right end?

- A) 8
- B) 12
- C) 14
- D) 18

Answer Key: D

Question No. 90

If '+' means '-', '-' means '+', 'x' means 'x' and 'x' means '+' then what is the value of $3 \div 4 \times 2 - 1 + 5 = ?$

- A) 4
- B) 5
- C) 6
- D) 7

Answer Key: C

Question No. 91

Read the following information carefully and answer the question given below.

Eight persons—D, L, M, J, P, U, C and T—are sitting in a straight line but not necessarily in the same order such that some of these persons are facing south while some are facing north.

D faces north. M sits third to the left of U. P sits third to the right of M. J sits to the immediate right of P. J does not sit at any of the extreme ends of the line. Only one person sits between C and L. P sits second to the left of C. T sits second to the right of J. Both the immediate neighbors of M face the opposite direction. T faces the same direction as J, and D faces the same direction as C. U sits at one of the extreme ends of the line.

Three of the following four are alike in a certain way and hence form a group. Which of the following is the one that does not belong to the group?

- A) U
- B) T
- C) M
- D) L

Answer Key: A

Question No. 92

In the following list of numerals, how many 3s are followed by 3, but not preceded by 3?

2 4 6 3 3 1 5 7 8 3 3 3 4 6 2 3 3 3 3 9 7 2 3.

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

Answer Key: C

Question No. 93

Comets : Meteors

A) Book : Knowledge

B) Sun : Sign

C) Stars : Fortune

D) Monkey : Chimpanzee

Answer Key: D

Question No. 96

Study the following information carefully and answer the question given below.

Following are the criteria for selecting a marketing officer by a company.

The candidate must:

(i) Be holding an engineering degree with at least 50% marks.

(ii) Have passed the written examination with at least 65% marks.

(iii) Be in the age group of 24 years to 30 years.

(iv) Have experience of working for a minimum period of 2 years.

(v) Be presently drawing a monthly salary of Rs.18000 and above.

In case a candidate satisfies all the other criteria EXCEPT (ii) but has secured 75% marks in engineering degree, his/her case is to be referred to the manager.

If there is any loss of information in the candidate details, it should be treated as Data inadequate.

Kamal has been working in a company for the last 4 year after completing his engineering with 62% marks. He has completed 28 year of age. He is drawing a salary of Rs.20000 per month.

A) The candidate has to be appointed

B) The candidate cannot be appointed

C) The candidate has to be referred to the Manager

D) Data inadequate

Answer Key: D

Question No. 97

Anil told Bala, "The girl I met yesterday was the youngest daughter of the brother-in-law of my friend's mother". How is the girl related to Anil's friend?

A) Niece

B) Cousin

C) Wife

D) Daughter

Answer Key: B

Question No. 98

Read the following information carefully and answer the question given below.

i) Six boys P, Q, R, S, T and U are standing in a row facing north.

ii) P is on the right end of the row.

iii) R is between S and T.

iv) U is not at the left end of the row.

v) P is on the immediate right of Q.

Which of the following places does U occupy?

- A) Extreme left
B) Third from the right
C) Second from the left
D) Cannot be determined

Answer Key: B

Question No. 99

Study the following table and answer the question given below it.

The following table represents the fare in rupees for three different types of vehicles.

Vehicle	Fare for distance up to					
	2 km	4 km	7 km	10 km	15 km	20 km
Bus	Rs.5	Rs.9	Rs.13.50	Rs.17.25	Rs.22.25	Rs.26
Share auto	Rs.7.50	Rs.14.50	Rs.24.25	Rs.33.25	Rs.45.75	Rs.55.75
Taxi	Rs.10	Rs.19	Rs.31	Rs.41.50	Rs.56.50	Rs.69

Note: Fare per km for intermittent distance is the same

Deepika wants to travel a distance of 5 km by taxi. If she decides to travel by bus instead of taxi, then how much less money will be required to spend?

- A) Rs.12.50
B) Rs.11.50
C) Rs.10.50
D) Rs.9.50

Answer Key: A

Question No. 100

Read the following question and decide which of the statements is sufficient to answer the question.

Question:

The marks of five students O, P, C, D and R are compared. Who among the following got the highest marks?

Statements:

- I. C did not get the highest marks.
II. D did not get the lowest marks.
III. O got higher marks than D and P, but not higher than R.

- A) Statements II and III are sufficient while statement I alone is not sufficient to answer the question
B) Statements I and III are sufficient while statement II alone is not sufficient to answer the question
C) Statement I alone is sufficient while statements II and III are not sufficient to answer the question
D) All the statements I, II and III together are not sufficient to answer the question

Answer Key: B