



## **RRB JE 31st May 2019 Shift-1**

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in any retrieval system of any nature without the permission of cracku.in, application for which shall be made to support@cracku.in

# RRB JE 31st May 2019 Shift-1

## Instructions

For the following questions answer them individually

### Question 1

Where is the Lakh Bahosi Sanctuary located?

- A Odisha
- B West Bengal
- C Jharkhand
- D Uttar Pradesh

Answer: D

## RRB NTPC Free Mock Tests

### Question 2

A cyclic hydrocarbon with the molecular formula  $C_6H_6$  is-

- A Methane
- B Cyclo pentane
- C Naphthalene
- D Benzene

Answer: D

### Question 3

Which product of petroleum is used to drive heavy vehicles like truck?

- A Petrol
- B Petroleum gas
- C Kerosene
- D Diesel

Answer: D

### Question 4

Express the the following expression in terms of partial fraction :

$$\frac{X}{(X+1)^2}$$

- A  $\frac{1}{X+1} + \frac{1}{(X+1)^2}$
- B  $\frac{1}{X+1} + \frac{X-1}{(X+1)^2}$
- C  $\frac{1}{X+1} - \frac{1}{(X+1)^2}$

D  $X+1 - (X+1)^2$

Answer: C

## RRB JE Previous Papers ( Download Pdf)

### Question 5

Three 2 V cells are connected in series and used as a battery in a circuit. What is the potential difference at the terminals of the battery?

- A 1 Volts
- B 2 Volts
- C 6 Volts
- D 4 Volts

Answer: C

### Question 6

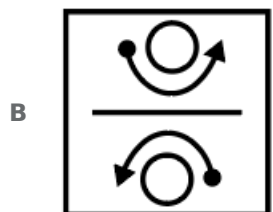
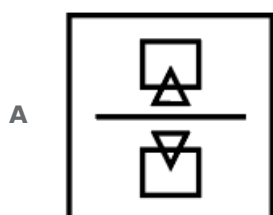
Which colour among the seven colours of the white light gets most deviated after dispersion of light through a glass prism?

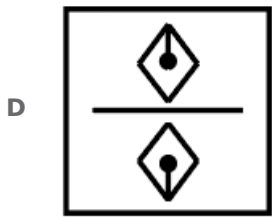
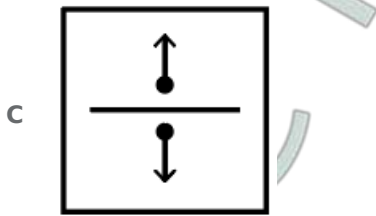
- A Violet
- B Orange
- C Indigo
- D Red

Answer: A

### Question 7

Find the ODD oneout from the given options.





Answer: B

## RRB JE Free Mock Test

### Question 8

Which of the following vitamins is NOT fat soluble?

- A Vitamin K
- B Vitamin D
- C Vitamin C
- D Vitamin A

Answer: C

### Question 9

Which of the following scientist(s) was awarded Nobel Prize in Genetics ?

- A Bateson
- B Morgan
- C Both Morgan and Khorana
- D Khorana

Answer: C

### Question 10

The reaction between sodium hydroxide with zinc gives the product-

- A Reaction is not possible
- B Sodium zincate
- C Zinc oxide
- D Zinc hydroxide

Answer: B

## Daily Free RRB Online Test

### Question 11

The knee cap is called as

- A Malus
- B Fibula
- C Scapula
- D Patella

Answer: D

### Question 12

Evaluate:  $\left(\frac{\sin 47^\circ}{\cos 43^\circ}\right)^2 + \left(\frac{\cos 43^\circ}{\sin 47^\circ}\right)^2 - 4\cos^2 45^\circ$

- A -3
- B 0
- C 1
- D 2

Answer: B

### Question 13

An alkali is a base that dissolves in

- A Water
- B Acid
- C Mercury
- D Kerosene

Answer: A

## RRB Group-D Previous Papers

### Question 14

Find the ODD one out.

2222, 222.2, 22.22, 2.222

- A 22.22
- B 222.2
- C 2.222
- D 2222

Answer: D

**Question 15**

Pooja's age 4 years back and Deepa's age after 4 years are equal. The ratio of Pooja's age 4 years hence and Deepa's age 4 years before is 3 : 1. What is the ratio of their present ages?

- A 5 : 2
- B 5 : 7
- C 4 : 7
- D 5 : 3

**Answer:** D

**Question 16**

Where is insulin produced in the human body?

- A Pancreas
- B Spleen
- C Liver
- D Bile duct

**Answer:** A

**RRB Free Videos (You Tube Channel)**

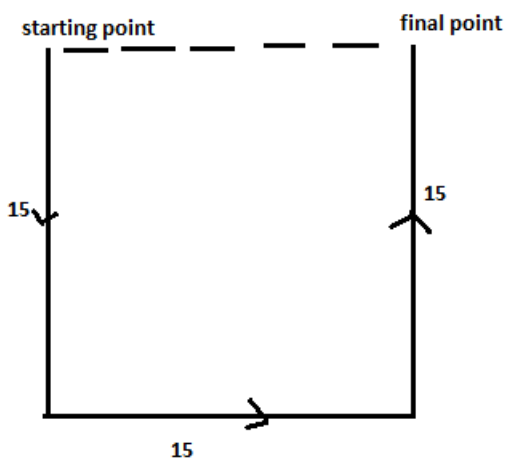
**Question 17**

Vijayan started walking towards south. After walking 15 m, he turned left and walked 15 m. He again turned left and walked 15 m. How far and in which direction is he from his starting point?

- A 15 m, south
- B 30 m, east
- C 15 m, east
- D 15 m, west

**Answer:** C

**Explanation:**



**Question 18**

Which of these countries was created in the twentieth century?

- A Japan
- B USA
- C Nepal
- D Bangladesh

**Answer:** D

**Question 19**

Which of the following form a set of homologous series?

- A Ethyne, propyne and butyne
- B Ethane, methane and propene
- C Ethane, methane and ethyne
- D Ethyne, propyne and butene

**Answer:** A

**20 RRB NTPC Mocks-Tests Rs.149**

**Question 20**

If 'sti nro kti' stands for 'clouds pour down', 'nro bsi mit' stands for 'down he goes', and 'bsi nro zpi' stands for 'died down he', which word would mean 'goes'?

- A mit
- B bsi
- C kti
- D nro

**Answer:** A

**Explanation:**

down = nro

he = bsi

goes = mit

**Question 21**

If  $5 \# 3 @ 3 = 12$  and  $7 \# 2 @ 4 = 10$ , then what will be  $2 \# 9 @ 5$ ?

- A 29
- B 32
- C 13

D 26

Answer: C

**Explanation:**

$$5 \# 3 @ 3 = 12 \text{ and } 7 \# 2 @ 4 = 10$$

here # is multiplication and @ is subtraction

$$5 * 3 - 3 = 12$$

$$7 * 2 - 4 = 10$$

so,

$$2 \# 9 @ 5 = 2 * 9 - 5 = 13$$

**Question 22**

Which of the following can be produced by dolphins, porpoises, bats and rats?

A Infrasound

B Note

C Music

D Ultrasound

Answer: D

## 10 RRB JE Mocks-Tests Rs.117

**Question 23**

If  $3\sqrt{5} + \sqrt{125} = 17.88$ , then find the value of  $\sqrt{80} + 6\sqrt{5}$

A 22.35

B 18.75

C 20.235

D 22.25

Answer: A

**Explanation:**

$$3\sqrt{5} + \sqrt{125} = 17.88$$

$$3\sqrt{5} + \sqrt{25 \times 5} = 17.88$$

$$3\sqrt{5} + 5\sqrt{5} = 17.88$$

$$8\sqrt{5} = 17.88$$

then,

$$\sqrt{80} + 6\sqrt{5} = \sqrt{16 \times 5} + 6\sqrt{5}$$

$$= 4\sqrt{5} + 6\sqrt{5}$$

$$= 10\sqrt{5}$$

if  $8\sqrt{5} = 17.88$ , then

$$10\sqrt{5} = 22.35$$



**Question 24**

If in a certain language 'CHAMPION' is coded as 'HCMAIPNO', how is 'NEGATIVE' coded in that code?

- A ENGAETVI
- B ENAGITEV
- C ENAGVEIT
- D EGAITEVN

**Answer:** B

**Explanation:**

the 1st and 2nd letter are swapped ,then 3rd and 4th letter are swapped ,similarly 5th and 6th ,7th and 8th letters are swapped

NEGATIVE = ENAGITEV

**Question 25**

**Resistance (R) = Voltage(V)/ \_\_\_\_\_**

- A Current (I)
- B Charge (Q)
- C Work (J)
- D Power (P)

**Answer:** A

## RRB General Science Notes (Download Pdf)

**Question 26**

A number leaves a remainder 4 when divided by 6. What is the remainder when its square is divided by 6?

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

**Answer:** D

**Question 27**

If 'PLAY' is coded as 8123 and 'RHYME' is coded as 49367, then how is 'MALE' coded?

- A 6217
- B 6285
- C 6198
- D 6395

**Answer:** A

**Explanation:**

'PLAY' is coded as 8123

here ,P = 8 ,L = 1 , A = 2 , Y = 3

'RHYME' is coded as 49367

here ,R = 4 ,H = 9 , Y = 3 , M = 6 , E = 7

'MALE' will be coded as 6217

**Question 28**

**Which celestial body was considered as a planet till 2006 and not a planet after that?**

- A** Mercury
- B** Jupiter
- C** Pluto
- D** Venus

**Answer:** C

## RRB GK Material (Download Pdf)

**Question 29**

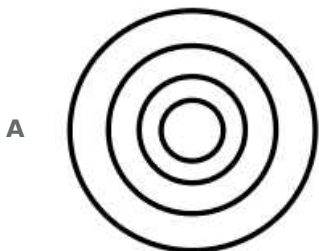
**Two tables are bought for Rs.2000 by a person. He sells them later, one at a loss of 5%, the other at a gain of 5% thereby incurring a loss of Rs.20. What are the cost prices of the two tables?**

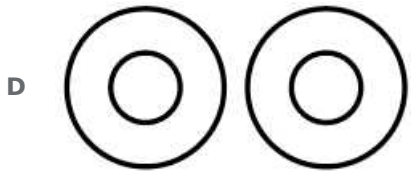
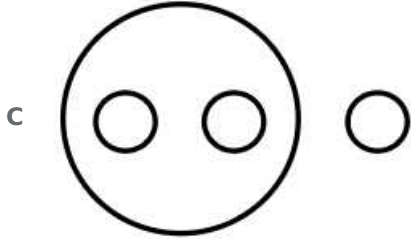
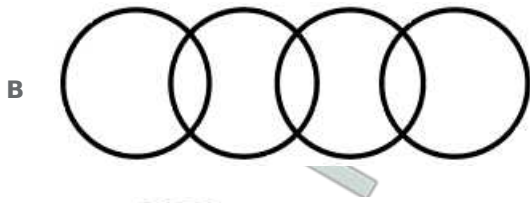
- A** Rs.1400, Rs.600
- B** Rs.1300, Rs.700
- C** Rs.1200, Rs.800
- D** Rs.1050, Rs.950

**Answer:** C

**Question 30**

**Choose the figure that best represents the relationship among the classes given below. Indoor games, Chess, Table tennis, Cricket**





**Answer:** C

**Explanation:**

option c is correct because table tennis and chess are indoor games so they are inside indoor games  
cricket is an outdoor game so it has no relation with indoor games circle

**Question 31**

**Which of the following denotes currency with the public?**

- A** M1
- B** M2
- C** M3
- D** M4

**Answer:** A

## RRB NTPC Previous Papers (Download PDF)

**Question 32**

**With which of the following sports is the term 'pitcher' associated?**

- A** Cricket
- B** Base ball
- C** Volley ball
- D** Football

**Answer:** B

**Question 33**

**A certain sum invested for T years at 10% per annum Simple Interest amounts to Rs.400. The amount gets halved when the interest comes down to 4% per annum, the principal and time being the same. What is the principal and value of T?**

- A** T = 50 years; P = Rs.200/3  
**B** T = 50 years; P = Rs.200  
**C** T = 25 years; P = Rs.200/3  
**D** T = 50 years; P = Rs.100

**Answer:** A

**Question 34**

**Complete the series.**  
**33, 36, 12, 15, 5, (...)**

- A** 4  
**B** 6  
**C** 10  
**D** 8

**Answer:** D

**Explanation:**

there is 2 different series

33,12,5 and 36,15,x

$$33 - 21 = 12$$

$$12 - 7 = 5$$

similarly

$$36 - 21 = 15$$

$$15 - 7 = 8$$

**Join Competitive Exam Updates Telegram Group**

**Question 35**

**Find the wrong number in the given series.**  
**360, 120, 60, 20, 11**

- A** 11  
**B** 360  
**C** 20  
**D** 60

**Answer:** A

**Explanation:**

there are 2 different series

360,60,11 and 120,20

each number is divided by 6 to get the next number

$$120/6=20$$

$$360/6 =60$$

60/6 should be 10 and not 11 so 11 is the wrong number

**Question 36**

**Babu Lal Marandi was the first chief minister of which Indian state?**

- A Uttar Pradesh
- B Karnataka
- C Jharkhand
- D Chhattisgarh

**Answer: C**

**Question 37**

**For what values of 'K' does the equation  $x^2 + 2Kx + 4 = 0$  have one real solution?**

- A 2, -2
- B 0
- C 2, 0
- D -2, 0

**Answer: A**

## RRB NTPC Free Mock Tests

**Question 38**

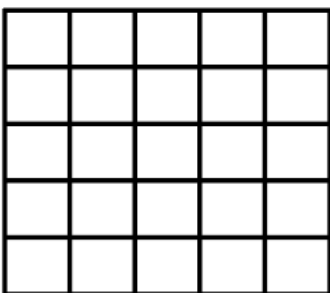
**The frictional force on an object in a fluid depends on what?**

- A Shape of the object
- B All of the options
- C Its speed with respect to the fluid
- D Nature of the fluid

**Answer: B**

**Question 39**

**How many squares are there in the given figure?**



- A 45

**B** 23

**C** 36

**D** 55

**Answer:** D

**Question 40**

**Palaeontology deals with the study of -**

**A** Bones

**B** Fossils

**C** Hard shells

**D** Feathers

**Answer:** B

## RRB JE Previous Papers ( Download Pdf)

**Question 41**

**What was the name of the space shuttle that landed man on the moon?**

**A** Challenger

**B** Eagle

**C** Apollo

**D** Columbia

**Answer:** C

**Question 42**

**Find the missing number in the following series.  
5, 69, 101, (...), 125, 129**

**A** 117

**B** 112

**C** 126

**D** 103

**Answer:** A

**Explanation:**

$$5 + 2^6 = 69$$

$$69 + 2^5 = 101$$

$$101 + 2^4 = 117$$

$$117 + 2^3 = 125$$

$$125 + 2^2 = 129$$

**Question 43**

After completing a work together in 2 days, P and Q received Rs.1200 and Rs.400 respectively as wages. In how many days will Q alone complete the work?

- A 1/3 days
- B 8 days
- C 6 days
- D 3 days

**Answer:** B

**Explanation:**

ratio of efficiency of P and Q is

$$P : Q = 1200 : 400 = 3 : 1$$

$$\text{total work} = \text{time} * \text{efficiency} = 4 * 2 = 8$$

$$\text{Q alone can do the work in} = \text{work/efficiency} = 8/1 = 8 \text{ days}$$

## RRB JE Free Mock Test

**Question 44**

Which of the following devices uses Archimedes principle?

- A Thermometer
- B Barometer
- C Hygrometer
- D Hydrometer

**Answer:** D

**Question 45**

Bile secreted by liver helps in -

- A Respiration
- B Digestion
- C Purification of blood
- D Excretion

**Answer:** B

**Question 46**

Dendrons are parts of-

- A Cartilage
- B Neuron
- C Nephron

D Muscle Cell

Answer: B

## Daily Free RRB Online Test

### Question 47

P and Q together can do a job in 7 days. P is twice as efficient as Q. In how many days can P alone do the job?

A 12 days

B 15 days

C 10.5 days

D 21 days

Answer: C

### Explanation:

P and Q can do the work in 7 days

efficiency of P : efficiency of Q = 2 : 1

total work =  $7 * 3 = 21$

P can alone do the work in  $\frac{21}{2} = 10.5$  days

### Question 48

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

Statement:

Video-libraries are flourishing very much these days.

Conclusions:

I. People in general have got a video craze.

II. It is much cheaper to see as many movies as one likes on videos rather than going to the cinema hall.

A Neither conclusions I nor II follows

B Only conclusion II follows

C Only conclusion I follows

D Either conclusion I or II follows

Answer: A

### Question 49

When will the tenure of Chief Justice of India Ranjan Gogoi end?

A 17 November 2019

B 15 October 2019

C 12 August 2019

D 17 December 2019

Answer: A



## RRB Group-D Previous Papers

### Question 50

Who among the following was the President of the Constituent Assembly?

- A Jawaharlal Nehru
- B B.R. Ambedkar
- C Rajendra Prasad
- D C. Rajagopalachari

**Answer:** C

### Question 51

A sum of money amounts to Rs.9800 in 5 years and Rs.12005 in 8 years at the same rate of simple interest. What is the rate of interest?

- A 5%
- B 15%
- C 12%
- D 8%

**Answer:** C

#### **Explanation:**

SI for 3 years = Rs.(12005 - 9800) = Rs. 2205

SI for 5 years =  $\frac{2205}{3} \times 5$  = Rs. 3675

principal = Rs.(9800-3675) = Rs.6125

hence, rate =  $\frac{100 \times 3675}{6125 \times 5} \% = 12\%$

### Question 52

Mohan started from point A and proceeded 7 km straight towards east, then he turned left and proceeded straight for a distance of 10 km. He then turned left again and proceeded straight for a distance of 6 km, and then turned left again and proceeded straight for another 10 km. How far and in which direction is he from the point A?

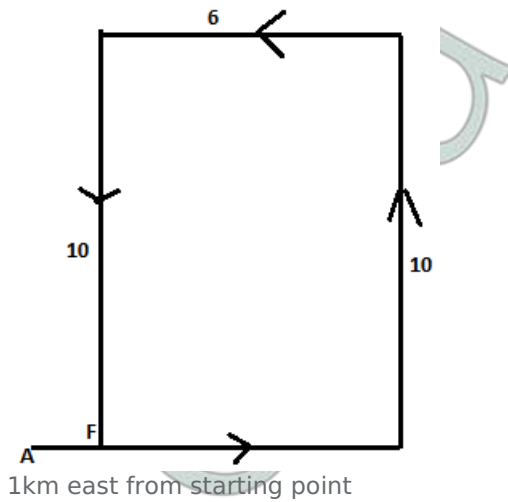
- A 1 km, west
- B 1 km, south
- C 1 km, east
- D 2 km, north

**Answer:** C

#### **Explanation:**

A - starting point

F - final point



## RRB Free Videos (You Tube Channel)

### Question 53

Which of the following is same as 14 m/s?

- A 50.4 km/h
- B 70 km/h
- C 28 km/h
- D 46.6 km/h

**Answer:** A

### Explanation:

$$m/s = 18/5 \text{ km/hr}$$

$$14 \text{ m/s} = 14 \times \frac{18}{5} \text{ km/hr} \\ = 50.4 \text{ km/hr}$$

### Question 54

Two varieties of rice each costing Rs.50 per kg and Rs.60 per kg respectively are mixed in some ratio, and the mixed rice is sold at Rs.70 per kg, so as to get 20% profit. What is the ratio in which the two varieties are mixed?

- A 3 : 5
- B 1 : 5
- C 2 : 5
- D 2 : 7

**Answer:** B

Question 55

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

Statements:

- 1) All colours are pants.
- 2) All pants are brushes.

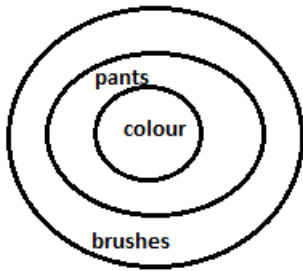
Conclusions:

- I. Some brushes are pants.
- II. Some brushes are colours.

- A Only conclusion II follows
- B Both conclusions I and II follow
- C Neither conclusion I nor II follows
- D Only conclusion I follows
- E None follows

Answer: B

Explanation:



20 RRB NTPC Mocks-Tests Rs.149

Question 56

Simplify:  $\frac{\sin \theta - 2 \sin^3 \theta}{2 \cos^3 \theta - \cos \theta}$

- A  $2 \sin \theta \cos \theta$
- B  $\sin \theta - \cos \theta$
- C  $\sin \theta + \cos \theta$
- D  $\tan \theta$

Answer: D

**Question 57**

Choose the alternative that best replaces the question mark(?) in the given figure.

4	3	1
3	6	8
2	5	7
23	40	?

- A 58
- B 47
- C 51
- D 54

**Answer:** A

**Explanation:**

1st column ,  $4^2 + 3^2 - 2 = 23$

2nd column,  $3^2 + 6^2 - 5 = 40$

3rd column =  $1^2 + 8^2 - 7 = 58$

**Question 58**

Which of the following can be beaten into thin sheets?

- A Oxygen
- B Sulphur
- C Iron
- D Nitrogen

**Answer:** C

## 10 RRB JE Mocks-Tests Rs.117

**Question 59**

The atomic number is denoted by the alphabet-

- A Z
- B A
- C X
- D N

**Answer:** A

**Question 60**

Which of the following Chief Ministers unveiled the Yuvashree Arpan Scheme in 2019?

- A Arvind Kejriwal
- B Yogi Adityanath
- C Nitish Kumar
- D Mamata Banerjee

**Answer: D**

**Question 61**

**Complete the series.  
DMP, FLN, HKL, JJJ, (...)**

- A MIH
- B III
- C LIH
- D MII

**Answer: C**

## RRB General Science Notes (Download Pdf)

**Question 62**

**Evaluate:  $\frac{1}{1 + \frac{1}{1 + \frac{1}{\{1 - \frac{1}{2}\}}}}$**

- A 3/4
- B 3/8
- C 4/3
- D 3/2

**Answer: A**

**Explanation:**

$$\begin{aligned} & \frac{1}{1 + \frac{1}{1 + \frac{1}{\{1 - \frac{1}{2}\}}}} \\ &= \frac{1}{1 + \frac{1}{1 + 2}} \\ &= \frac{1}{1 + \frac{1}{3}} \\ &= \frac{1}{\frac{4}{3}} \\ &= \frac{3}{4} \end{aligned}$$

**Question 63**

**EKS Kosmos 2510 is the first satellite having early warning system launched by-**

- A Japan
- B Russia
- C India

D USA

Answer: B

**Question 64**

Age of A is twice that of B. Sum of their present ages is 60. What will be the sum of their ages 5 years hence?

A 70

B 80

C 65

D 75

Answer: A

**Explanation:**

$$A = 2B$$

$$A+B = 60$$

$$2B + B = 60$$

$$3B = 60$$

$$B = 20$$

$$A=40$$

$$\text{SUM OF AGES AFTER 5 YEARS} = 20 + 40 + 5 + 5 = 70$$

## RRB GK Material (Download Pdf)

**Question 65**

An article marked at Rs.80 is sold for Rs.68. What is the rate of discount?

A 18%

B 12%

C 16%

D 15%

Answer: D

**Explanation:**

$$\text{MP} = \text{Rs.}80$$

$$\text{SP} = \text{Rs.}68$$

$$\text{Discount} = \text{MP} - \text{SP} = 80 - 68 = \text{Rs.}12$$

$$\text{rate of discount} = \frac{\text{discount}}{\text{MP}} \times 100\%$$

$$= \frac{12}{80} \times 100\%$$

$$= 15\%$$

**Question 66**

Which of the following is a desert tree?

A Palm

- B Coconut
- C Banyan
- D Betel nut

**Answer:** A

**Question 67**

The base of a right pyramid is a square of side 24 cm and height of the pyramid is 16 cm. What is its lateral surface area?

- A \$ 960 cm<sup>2</sup> \$
- B \$ 890 cm<sup>2</sup> \$
- C \$ 1020 cm<sup>2</sup> \$
- D \$ 1024 cm<sup>2</sup> \$

**Answer:** A

## RRB NTPC Previous Papers (Download PDF)

**Question 68**

Find the area of a parallelogram with base 48 cm and height 32 cm.

- A \$ 1536 cm<sup>2</sup> \$
- B \$ 1426 cm<sup>2</sup> \$
- C \$ 1444 cm<sup>2</sup> \$
- D \$ 1546 cm<sup>2</sup> \$

**Answer:** A

**Question 69**

P can complete a work in 6 days. Working with the help of Q, the job is completed in 7 days. If P starts the work and P and Q work on alternate days, in how many days can Q alone complete the job?

- A 10
- B 9
- C 8
- D 12

**Answer:** B

**Question 70**

A circular wire of radius 7cm is bent to form a rectangle whose sides are in the ratio 4 : 7 what is the area of the rectangle so formed?

- A \$ 60 cm<sup>2</sup> \$
- B \$ 112 cm<sup>2</sup> \$

C  $56 \text{ cm}^2$

D  $84 \text{ cm}^2$

**Answer: B**

**Explanation:**

radius = 7cm

circumference of circle = perimeter of rectangle =  $2\pi r = 2 \times \frac{22}{7} \times 7 = 44\text{cm}$

sides of rectangle are in the ratio = l : b = 4 : 7

let length = 4x

breadth = 7x

perimeter = 2(l+b) = 44

$$2(4x+7x)=44$$

$$22x=44$$

$$x = 2$$

length = 4x =  $4 \times 2 = 8$

breadth = 7x =  $7 \times 2 = 14$

area of rectangle =  $l \times b = 8 \times 14 = 112 \text{ cm}^2$

## Join Competitive Exam Updates Telegram Group

**Question 71**

When the digits of a two-digit number are reversed, the value of the number is increased by 45. The sum of the digits is 11. What is the original number?

A 65

B 38

C 24

D 83

**Answer: B**

**Question 72**

Find the missing number in the following series.

11, 30, 22, 41, 33, (...), 44, 63

A 52

B 56

C 48

D 41

**Answer: A**

**Explanation:**

there is 2 different series

11,22,33,44 and 30,41,x,63

both pattern follows addition of 11 to next number in the series



$$41 + 11 = 52$$

### Question 73

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

Eight captains of different volleyball teams—Iran, Germany, Romania, Serbia, Tunisia, China, Brazil and Cuba are sitting around a circular table and are facing the centre, but not necessarily in the same order. Romanian captain sits third to the left of the Tunisian captain. Only two people sit between the Iran captain and Brazil captain. Neither the Iran captain nor Brazil captain is an immediate neighbour of the Romanian captain. The captain of Cuba sits second to the right of the China captain. China captain is not an immediate neighbour of the Romanian captain. The Iran captain sits third to the left of the Romanian captain. Captains of Serbia and Germany are not immediate neighbours. Serbia captain sits third to the left of the China captain.

How many persons are sitting between the captain of China and Romania in clockwise direction?

- A Two
- B Four
- C Five
- D Three

Answer: D

## RRB NTPC Free Mock Tests

### Question 74

To row a certain distance upstream and downstream takes  $t_1$  hours and  $t_2$  hours respectively and speed of stream is 'y' km/h. Find speed in still water.

- A  $\left(\frac{t_1^2 - t_2^2}{2y}\right)$  km/h
- B  $\left[\left(\frac{t_1 - t_2}{t_1 + t_2}\right) y\right]$  km/h
- C  $\left[\frac{(t_1 + t_2) 2y}{(t_1 - t_2)}\right]$  km/h
- D  $\left[\frac{(t_1 + t_2)}{(t_1 - t_2)} y\right]$  km/h

Answer: D

### Question 75

What fraction of an hour is 48 seconds?

- A  $1/75$
- B  $2/73$
- C  $4/300$
- D  $4/75$

Answer: A

### Explanation:

total number of seconds in an hour = 3600 seconds

acc to the ques,  $\frac{48}{3600} = \frac{1}{75}$

**Question 76**

The junction between two neurons is called-

- A Node of ranvier
- B Synapse
- C Gap junction
- D Motor end plate

**Answer:** B

**RRB JE Previous Papers ( Download Pdf)**

**Question 77**

Find the greatest number of four digits exactly divisible by 15, 25, 30 and 45.

- A 9000
- B 9600
- C 9900
- D 9400

**Answer:** C

**Question 78**

After which Prime Minister was a sports award named in India?

- A P.V. Narasimha Rao
- B Rajiv Gandhi
- C Charan Singh
- D V.P. Singh

**Answer:** B

**Question 79**

Which of the following statements is FALSE?

1. The object is always placed to the left of the spherical mirror.
2. All distances parallel to principal axis are measured from pole of the mirror.
3. All distances measured to the right of the origin are taken as negative.
4. Distances measured perpendicular to and above the principal axis are taken as positive.

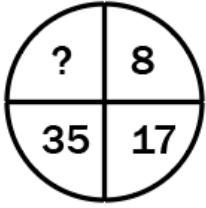
- A 4
- B 1
- C 2
- D 3

**Answer:** D

## RRB JE Free Mock Test

### Question 80

Choose the alternative that best replaces the question mark(?) in the given figure.



- A 71
- B 64
- C 74
- D 68

**Answer:** A

#### **Explanation:**

$$8 \times 2 + 1 = 17$$

$$17 \times 2 + 1 = 35$$

$$35 \times 2 + 1 = 71$$

### Question 81

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

#### **Statement:**

In the university examination, most of the candidates take exam in Hindi medium.

#### **Conclusions:**

- I. Some candidates take exam in Hindi.
- II. Most of the candidates appeared for the examination are from Hindi medium.
- III. In this examination no candidate writes answers in medium other than Hindi.
- IV. All the candidates who appear in this examination write answers in Hindi.

- A Only conclusion IV follows
- B Both conclusions I and II follows
- C Only conclusion II follows
- D Only conclusion I follows

**Answer:** C

### Question 82

Find the ODD one out from the given options.

- A 16
- B 8
- C 25
- D 9

**Answer:** B

**Explanation:**

all others are square of numbers except 8

## Daily Free RRB Online Test

**Question 83**

What is the name given to the phenomenon of throwing light in various random directions ?

- A Reflection of light
- B Scattering of light
- C Refraction of light
- D Dispersion of light

**Answer:** B

**Question 84**

Which of the following is a folk dance of Rajasthan?

- A Bhangra
- B Garba
- C Nati
- D Ghoomar

**Answer:** D

**Question 85**

Complete the series.  
YA, PP, IP, DL, (...)

- A AE
- B TN
- C YS
- D GE

**Answer:** A

## RRB Group-D Previous Papers

**Question 86**

Find the smallest fraction.

- A  $\frac{31}{40}$
- B  $\frac{13}{16}$

C 7/8

D 63/80

Answer: A

**Question 87**

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

Eight students—S, T, U, V, W, X, Y and Z are sitting around a circle facing the center. S is second to the right of Y who is third to the right of T. V is second to the left of X who sits between Y and S. U is not a neighbour of T or W.

Who is to the immediate left of U?

A S

B W

C Z

D T

Answer: A

**Question 88**

Elements of the second period are known as-

A Typical elements

B Bridge elements

C Transition elements

D Earth metals

Answer: B

**RRB Free Videos (You Tube Channel)**

**Question 89**

Which number will best complete the relationship given below?

25 : 9 :: 16 : ?

A 11

B 6

C 8

D 4

Answer: D

**Explanation:**

25 : 9 :: 16 : ?

$5^2 : 3^2 :: 4^2 : 2^2$

in the first group there is a difference of 2 i.e.5-3, similarly in second group there will be a difference of 2 i.e.4-2

**Question 90**

When copper oxide is heated with hydrogen, copper metal and water are formed. What happens to the copper oxide in this reaction?

- A Both reduced and oxidised
- B Decomposed
- C Reduced
- D Oxidised

**Answer:** C

**Question 91**

After spending 30% of his salary, a man had Rs.2100 left. From the remaining amount, he spent 15% on minor repairs. What are his savings?

- A Rs.1200
- B Rs.1600
- C Rs.1785
- D Rs.1685

**Answer:** C

**20 RRB NTPC Mocks-Tests Rs.149**

**Question 92**

On which date is International Day for Biodiversity observed?

- A 22 May
- B 5 June
- C 15 May
- D 20 May

**Answer:** A

**Question 93**

Find the value of  $\tan^2 60^\circ - 2 \tan^2 45^\circ - \cot^2 30^\circ + 2 \sin^2 30^\circ + \frac{3}{4} \operatorname{cosec}^2 45^\circ$

- A 2
- B  $-\frac{\sqrt{3}}{2}$
- C -1
- D 0

**Answer:** D

**Question 94**

In a two-digit number, the digit in the unit's place is four times the digit in ten's place and sum of the digits is equal to 10. Find the number.

- A 82
- B 41
- C 28
- D 14

**Answer:** C

**10 RRB JE Mocks-Tests Rs.117**

**Question 95**

Who among the following has scored the most runs in Ranji Trophy?

- A Wasim Jaffer
- B Mithun Manhas
- C Amol Anil Muzumdar
- D Devendra Bundela

**Answer:** A

**Question 96**

Where is 'Keibul Lamjao', the only floating National Park in the world, located?

- A Manipur
- B Meghalaya
- C Nagaland
- D Mizoram

**Answer:** A

**Question 97**

The amount of the solute present in the saturated solution at a particular temperature is called its-

- A Solubility
- B Visibility
- C Viscosity
- D Stability

**Answer:** A

**Question 98**

**Adding electrons to an atom will result in-**

- A** Neutron
- B** Anion
- C** Cation
- D** Molecule

**Answer:** B

**Question 99**

**Find the ODD one out from the given options.**

- A** Stale : Fresh
- B** Slow : Sluggish
- C** Truth : Lie
- D** Kind : Cruel

**Answer:** B

**Explanation:**

except option B ,all other are opposite of each other in the group

**Question 100**

**Which of the following is NOT an insectivorous plant?**

- A** Venus fly-trap
- B** Prothallus
- C** Pitcher-plant
- D** Sundew

**Answer:** B

**RRB GK Material (Download Pdf)**

**RRB NTPC Free Mock Tests**

**RRB JE Previous Papers ( Download Pdf)**

**RRB JE Free Mock Test**

**Daily Free RRB Online Test**



**RRB Group-D Previous Papers**

**RRB Free Videos (You Tube Channel)**

**20 RRB NTPC Mocks-Tests Rs.149**

**10 RRB JE Mocks-Tests Rs.117**

**RRB General Science Notes (Download Pdf)**

**RRB GK Material (Download Pdf)**

**RRB NTPC Previous Papers (Download PDF)**

**Join Competitive Exam Updates Telegram Group**