



## RRB 2013 Allahabad (2)

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## RRB 2013 Allahabad(2)

### Instructions

For the following questions answer them individually

### Question 1

Which district is least densely populated in Rajasthan ?

- A Bikaner
- B Pali
- C Jaisalmer
- D Jodhpur

Answer: C

## RRB NTPC Previous Papers (Download PDF)

### Question 2

How many districts of Rajasthan are not touched by any of the boundaries of state and country ?

- A 6
- B 7
- C 8
- D 9

Answer: D

### Question 3

Which of the following river is known as 'Bihar ka shok' ?

- A Kosi
- B Ganga
- C Son
- D Cauvery

Answer: A

### Question 4

Which type of painting literally means 'wax writing' ?

- A Phad paintings
- B Tanjor paintings
- C Kalamkari paintings
- D Batik paintings

Answer: D

## RRB NTPC Free Mock Tests

### Question 5

Which festival is celebrated on the first day of Chaitra after Holi festival ?

- A Gangaur
- B Gogaji
- C Makar Sakranti
- D Teej

Answer: A

### Question 6

In which year was the Desert Development Programme started in Rajasthan ?

- A 1978-79
- B 1979-80
- C 1976-77
- D 1977-78

Answer: D

### Question 7

In which district of Rajasthan does the Aravalli hills have its highest peak ?

- A Sirohi
- B Udaipur
- C Bikaner
- D Alwar

Answer: A

## RRB JE Previous Papers ( Download Pdf)

### Question 8

Which God is worshipped in Chhath Parva ?

- A Sun
- B Indra
- C Vishnu
- D Moon

Answer: A

**Question 9**

"Masala Park" is related to which city to Rajasthan ?

- A Kota
- B Jodhpur
- C Ramganjmandi
- D Sawaimadhopur

**Answer: B**

**Question 10**

Which battle was fought between Akbar and Rana Pratap of Mewar ?

- A Battle of Plassey
- B Battle of Haldighati
- C Battle of Panipat
- D Battle of Chandawar

**Answer: B**

**RRB JE Free Mock Test**

**Question 11**

What is the Sex ratio of Rajasthan (according to 2011 Census) ?

- A 911
- B 926
- C 929
- D 936

**Answer: B**

**Question 12**

Which is the closest city to the geographical centre of India ?

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

**Answer: A**

**Question 13**

What is the period of a Fiscal/Financial Year in India ?

- A 1st January to 31st December
- B 1st March to 28th February
- C 1st April to 31st March
- D 1st June to 31st May

Answer: C

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### Question 14

What is the time difference between Indian Standard Time and Greenwich Meridian ?

- A  $5\frac{1}{2}$  hours
- B  $2\frac{1}{2}$  hours
- C  $6\frac{1}{2}$  hours
- D 5 hours

Answer: A

### Question 15

In which year was "Jana Gana Mana" adopted as the National Anthem ?

- A 1948
- B 1949
- C 1950
- D 1951

Answer: C

### Question 16

What is the directional growth movement of a plant part in response to the touch of an object called ?

- A Thigmotropism
- B Geotropism
- C Chemotropism
- D Phototropism

Answer: A

## RRB Group-D Previous Papers

### Question 17

If the potential difference across an electric bulb is 4.6 V and the current flowing through it is 0.25A what is the resistance of the bulb ?

A  $1.15\Omega$

B  $18.4\Omega$

C  $0.1\Omega$

D  $0.625\Omega$

Answer: B

**Question 18**

A ray of light hits a plane mirror at  $60^\circ$  from the normal. What is the angle between the reflected ray and the surface of the mirror?

A  $30^\circ$  from normal

B  $90^\circ$  from mirror

C  $90^\circ$  from normal

D  $30^\circ$  from mirror

Answer: D

**Question 19**

What is the name of the mode of reproduction by which the offspring arises from a single parent and inherits the genes of that parent only?

A Sexual

B Asexual

C Vegetative

D Mono sexual

Answer: B

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**Question 20**

If a charge of  $15.0\text{ C}$  flows through a wire and the amount of electrical energy converted into heat is  $1.5\text{ J}$ , what is the potential difference across the ends of the wire?

A  $0.5\text{ V}$

B  $2.65\text{ V}$

C  $0.1\text{ V}$

D  $10\text{ V}$

Answer: C

**Question 21**

When a beam of light (wavelength =  $450\text{ nm}$ ) originally traveling in air enters a piece of glass (index of refraction  $1.50$ ), what will happen to its frequency?

- A It gets reduced to  $\frac{1}{3}$  of its original value
- B It increased by a factor of 1.50
- C It gets unaffected
- D It gets increased by a factor of 3

Answer: C

**Question 22**

Evolutionary principles have been used for classification of animals and plants According to this humans come under which class ?

- A Mammalia
- B Arthropoda
- C Aves
- D Amphibian

Answer: A

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**Question 23**

Who discovered the fact that \_\_\_\_ "An electric current produces a circular magnetic field as it flows through a wire" ?

- A Oersted
- B Faraday
- C Fleming
- D Coulomb

Answer: A

**Question 24**

If light enters an equilateral glass prism ( $n=1.50$ ) with an angle of incidence of 45 degree what is the angle of refraction as the beam emerges from the prism ? Note that an equilateral triangle has three  $60^\circ$  angles.

- A  $67.2^\circ$
- B  $52.4^\circ$
- C  $43.5^\circ$
- D  $60^\circ$

Answer: D

**Question 25**

When a current carrying conductor is placed above a magnetic needle what is the maximum deflection that can be produced ?

- A  $45^\circ$

- B 90°
- C 180°
- D 360°

Answer: B

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### Question 26

Who has been appointed as the New Chairman of Rajasthan Public Service Commission (RPSC) on 1st September 2012?

- A Habib Khan Gorang
- B B.M Sharma
- C A.K Singh
- D G.P Bansal

Answer: A

### Question 27

What is the population growth rate according to 2011 census in Rajasthan ?

- A 17
- B 18
- C 21
- D 19

Answer: C

### Question 28

"Kesariya Balam" Song is sung in which singing style ?

- A Mand
- B Peelu
- C Sarang
- D Mode

Answer: A

## RRB General Science Notes (Download Pdf)

### Question 29

Rajasthan day is celebrated on

- A 30 March
- B 15 May



- C 18 March
- D 1 November

**Answer:** A

**Question 30**

**What percentage of area is the area of Rajasthan in India ?**

- A 10.4%
- B 10.6%
- C 10.8%
- D 10.9%

**Answer:** A

**Explanation:**

10.41% of area is the area of Rajasthan in India. The state has 342,239 square kilometres.

**Question 31**

**Who built the Taragarh fort of Ajmer ?**

- A Raja Man Singh
- B Raja Jai Singh
- C Aana Ji
- D Ajaypal Chauhan

**Answer:** D

## RRB GK Material (Download Pdf)

**Question 32**

**What was the name of Meera Bai's husband ?**

- A Bhojraj
- B Vikramaditya
- C Udaisingh
- D Chandan Singh

**Answer:** A

**Question 33**

**In India where is the largest salt water lake situated ?**

- A Sambhar
- B Pulikat
- C Chilka

D Rajsamand

Answer: A

**Question 34**

What is the "Himalayan Yew" ?

A An animal Species

B A bird Species

C A medicinal plant

D A fossil fuel

Answer: C

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**Question 35**

The "Jal Satyagraha" started in 2012 is associated with which of the following dam ?

A Omkareshwar

B Gandhisagar

C Tehri

D Sardar Sarovar

Answer: A

**Question 36**

What was the percentage contribution of service sector in GDP of Rajasthan in 2011 ?

A 45

B 51

C 47

D 52

Answer: C

**Question 37**

In which of the following tribals the head of entire village is referred to as 'Gameti' ?

A Kathodi

B Garasia

C Badaliya

D Bhil

Answer: D

## RRB NTPC Previous Papers (Download PDF)

Question 38

Amrita Devi lost her life for the sake of

- A Khejri plant
- B Neem plant
- C Chandan plant
- D Bargad plant

Answer: A

Question 39

Through which of the following district of Rajasthan does the Tropic of Cancer pass by ?

- A Ajmer
- B Chittorgarh
- C Banswara
- D Udaipur

Answer: C

Question 40

What is the name of the two historical monuments that are going to be connected by the tunnel in the capital city Jaipur of Rajasthan ?

- A Amber Palace & Jaigarh Fort
- B Nahargarh & Jaigarh Fort
- C Jaigarh & Kumbhalgarh Fort
- D Nahargarh & Kumbhalgarh

Answer: A

## RRB NTPC Free Mock Tests

Question 41

In which of the following district of Rajasthan is "Kameshwari" oil found ?

- A Barmer
- B Jaisalmer
- C Jalor
- D Jodhpur

Answer: A

**Question 42**

What is the name of the purest form of rainwater in Rajasthan ?

- A Gul
- B Khadin
- C Johad
- D Palar pani

**Answer: D**

**Question 43**

In which city of Rajasthan was IIT started ?

- A Kota
- B Jodhpur
- C Jaipur
- D Ajmer

**Answer: B**

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

**Question 44**

In which month the festival of "choti teej" is celebrated ?

- A Bhadra
- B Chaitra
- C Shravan
- D Baishak

**Answer: A**

**Question 45**

Who was the first Elected Chief Minister of Rajasthan ?

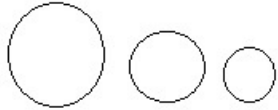
- A Tikaram Paliwal
- B Hari Dev Joshi
- C Hira Lai Devpura
- D Mohan Lal Sukhadia

**Answer: A**

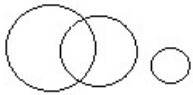
**Question 46**

Which one of the following Venn diagrams best describes the words 'days', 'weeks', 'calendar' ?

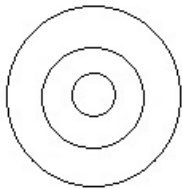
A



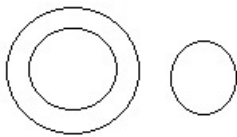
B



C



D



Answer: C

**Explanation:**

The days of the week are subset of weeks and weeks are subset of the calendar. Hence, the best way to describe them using Venn Diagram is by drawing second as a subset of the first and the third as a subset of the second.

## RRB JE Free Mock Test

Question 47

What is the minimum number of colours needed to colour the sides of a cube so that adjacent side are not of the same colour ?

A 5

B 6

C 2

D 3

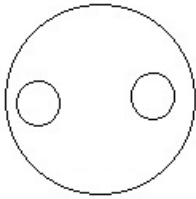
Answer: D

**Explanation:**

If we use the same colour only for opposite sides, the adjacent sides will be of different colours. Since there are 3 pairs of opposite sides, a minimum of 3 colours would be needed.

**Question 48**

Which of the following can be described by the Venn diagram below ?



A Dogs, Cats, Sheep

B Chairs, Tables, Furniture

C Planets, Galaxies, Universe

D Physics, Chemistry, Mathematics

Answer: B

**Explanation:**

The first two sets are non-overlapping circles embedded in a bigger circle. So, those sets should be mutually exclusive but both should be subsets of the third set. That is true in the case of chairs, tables and furniture.

**Question 49**

A bag contains 10 pairs of socks (each pair of different colour). How many draws are required at the most to get a matching pair ?

A 2

B 11

C 6

D 9

Answer: B

**Explanation:**

In the worst case scenario, the first ten tries would be of different colours. The eleventh sock taken out should then definitely be of one of the ten colours already drawn.

Thus, a maximum of 11 tries are required to find a matching pair.

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Question 50

Pointing to a person in a photograph Anil said "His father is the father of my father" How is the son of the person in photograph related to Anil ?

- A Brother
- B Cousin
- C Father
- D None of these

Answer: B

Explanation:

The person in the photograph is Anil's uncle. So, this uncle's son is Anil's cousin.

Question 51

Complete the series  
62, 126, 254, 510

- A 722
- B 1025
- C 826
- D 1022

Answer: D

Explanation:

The series comprises of  $2x + 2$  of every number in the series. So, the first number is 62.  $2 \times 62 + 2 = 126$  (second term)

$2 \times 126 + 2 = 254$  (third number) and so on.

Question 52

If 'training' is coded as 'tannriig' then how is 'placement' coded ?

- A paeeltcmn
- B paeetlcnm
- C paectlemn
- D paeetlcmn

Answer: D

Explanation:

The code consists of selecting all the odd terms first and then followed by even terms of the word.

## RRB Group-D Previous Papers

Question 53

If 'dog' is 'cat', 'cat' is 'rat', 'rat' is 'mat', 'mat' is 'cow' then which one of the following is not an animal ?

- A mat
- B dog

C cow

D rat

**Answer: C**

**Explanation:**

Mat is not an animal and it is coded as cow. So, cow is the only non-animal in the list.

**Question 54**

**Complete the series**

24, 60, 120, 210 \_\_\_\_\_

A 400

B 252

C 336

D 350

**Answer: C**

**Explanation:**

the difference between the numbers increases as multiples of 6.

The difference between the first two numbers is  $6 \times 6 = 36$

The difference between the second and the third numbers is  $6 \times 10 = 60$

The difference between the third and fourth numbers is  $6 \times 15 = 90$

The difference between the fourth and fifth numbers is  $6 \times 21 = 126$ , etc

**Question 55**

**Find the missing number in the series**

1, 4, ?, 4, 1

A 2

B 3

C 5

D 6

**Answer: D**

**Explanation:**

$$C_0^4 = 1$$

$$C_1^4 = 4$$

$$C_2^4 = 6$$

$$C_3^4 = 4$$

$$C_4^4 = 1$$

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**Question 56**

Five years ago the ratio of Krishna's age to his father's age was 1:4 and five years from now their ages will be in the ratio 2:5 What is the ratio of their present ages ?



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

**Answer: B**

**Explanation:**

The ratio of ages of Krishna and his father 5 years ago was = 1:4

So, let their ages be  $x$  and  $4x$

Five years later their ages are  $x+10$ :  $4x + 10$

But that is in the ratio of 2 : 5

So,  $5x + 50 = 8x + 20$

So,  $x = 10$

Their ages now = 15:45 = 1:3

**Question 57**

If Anil's salary is one-third more than that of Sunil's then by what percentage Sunil's salary is lesser than Anil's ?

- A  $3\frac{1}{3}$
- B  $12\frac{1}{2}$
- C 25
- D  $66\frac{2}{3}$

**Answer: C**

**Explanation:**

Let Sunil's salary be 100 Rs.

Anil's salary = 133.33 Rs

Sunil's salary is less than Anil's by  $33.33/133.33 = 25\%$

**Question 58**

A carpenter bought a rectangular white board of dimension 4 feet x 3 feet, which cost him Rs 12 per square feet. The cost of fixing aluminum lining to all the edges was Rs 4 per feet. At what price should he sell the finished white board so as to gain 25% on the cost price ?

- A Rs 225
- B Rs 250
- C Rs 275
- D Rs 300

**Answer: B**

**Explanation:**

The cost of the board =  $4 \times 3 \times 12 = 144$

Cost of the aluminium lining =  $(4+4+3+3) \times 4 = 56$

So total cost = 200 Rs

Selling price =  $200 \times 1.25 = 250$  Rs

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### Question 59

What is the time taken for a 300 metre long train speeding at 60 kmph to cross a pole ?

- A 5 seconds
- B 30 seconds
- C 50 seconds
- D 18 seconds

**Answer:** D

#### **Explanation:**

Length of the train = 300 metres.

Speed = 60 kmph =  $60 \times \frac{5}{18}$  m/s

Time taken = length / speed =  $300 \times \frac{18}{60 \times 5} = 18$  seconds

### Question 60

Hari can do a piece of work in 30 days while giri can do the same work in 20 days working together they complete the work for which they are paid Rs 1000 in total. What is Hari's share ?

- A Rs 400
- B Rs 500
- C Rs 600
- D Rs 300

**Answer:** A

#### **Explanation:**

Let the total units of work be 300.

Hari's speed =  $300/30 = 10$  units/ day

Giri's speed =  $300/20 = 15$  units/day

So, Hari's share of the total amount =  $1000 \times \frac{10}{25} = 400$  Rs

### Question 61

Sum of two positive integers is 10 while their product is 24 What is the LCM of these numbers ?

- A 12
- B 24
- C 6
- D 4

**Answer:** A

#### **Explanation:**

If the numbers are x and y,  $xy = 24$

$$x + y = 10$$

So, the individual numbers are 4, 6

LCM of 4 and 6 = 12.

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### Question 62

A certain amount which was loaned on simple interest doubled in 10 years. Then the amount received is loaned on compound interest for another 2 years on the same rate. What is the total rise in the amount after 12 years with the initial principal amount?

- A 42%
- B 142%
- C 242%
- D 150%

**Answer: B**

#### Explanation:

The amount doubled in 10 years. So, the interest = principle.

So,  $rt/100 = 1$

$r = 10\%$  pa

Now compound interest = ?

$$2P (1 + .1)^2 = 2P \times 1.21 = 2.42P$$

Total rise is P to 2.42P = rise of 142%

### Question 63

Length and breadth of a rectangle are in the ratio 3:4 while the perimeter of it is 56 cm. What is the area of the rectangle?

- A 192 sq.cm
- B 144 sq.cm
- C 196 sq.cm
- D 158 sq.cm

**Answer: A**

#### Explanation:

The length and breadth are in the ratio 3:4

Let them be  $3x$  and  $4x$  respectively.

Perimeter = 56

So,  $2(7x) = 56$

So,  $x = 4$

Area =  $3x \times 4x = 3 \times 4 \times 4 = 192$  sq cms

### Question 64

A person used to get 15 litres of petrol for a certain amount but due to the hike in the price he is getting one litre less for the same amount. What is the percentage rise in the petrol price?

- A  $2\frac{2}{3}\%$
- B  $7\frac{1}{7}\%$
- C  $12\frac{1}{2}\%$
- D 25%

**Answer: B**

**Explanation:**

Let the amount that is fixed be 210 Rupees

He used to get 15 litres of petrol for Rs. 210 earlier and then only 14 litres.

Initial cost of petrol =  $210/15 = 14$  Rs

Final cost of petrol =  $210/14 = 15$  Rs.

% rise in petrol price =  $100/14 = 7\frac{1}{7}$

## RRB General Science Notes (Download Pdf)

**Question 65**

An article costs Rs. 80 to the vendor. If he marks the article for 50% more than the cost price and sells it 25% less than the marked price, what is his gain percentage ?

- A 30%
- B  $37\frac{1}{2}\%$
- C  $12\frac{1}{2}\%$
- D 20%

**Answer: C**

**Explanation:**

Cost Price of the article = 80 Rs.

Marked Price =  $80 \times 1.5 = 120$

Selling Price =  $120 \times .75 = 90$

Profit = 10 Rs

Profit % =  $10/80 = 12.5\%$

**Question 66**

Two bikers A and B started for a race of 120 km with a constant speed of 30 kmph and 40 kmph respectively. After 2 hours A raised his speed and both reached the finish line at same time What was the speed of A after 2 hours of starting the race ?

- A 60 kmph
- B 50 kmph
- C 40 kmph
- D 80 kmph

**Answer: A**

**Explanation:**

Let A's new speed be  $x$  kmph after 2 hours. Total time taken by B =  $120/40 = 3$  hours.

Total distance travelled by A in 2 hours =  $30 \times 2 = 60$  kms

So,

A should travel 60 kms in the last one hour. He can do that if he travels at 60 kmph.

#### Question 67

The inlet to a tank can fill it in 4 hours while the outlet to the tank can empty it in 5 hours Both the pipes were opened at 9 Am but after sometime the outlet was closed and it is observed that the tank was full at 5 PM. At what time was the outlet closed ?

A 1 PM

B 2 PM

C 3 PM

D 4 PM

Answer: B

#### Explanation:

Let the outlet be open for  $x$  hours.

Let there be 100 units of water in the tank.

So, the speed of inlet is 25 units per hour and speed of the outlet is - 20 units per hr.

Let them be open for  $x$  hours. So, the total tank filled is  $25x - 20x = 5x$

For  $8 - x$  hours the inlet is open. So, units of water =  $(8-x) \times 25$

But that sum = 100

$5x + 200 - 25x = 100$

$20x = 100$

So,  $x = 5$  hours. ie till 2 PM

## RRB GK Material (Download Pdf)

#### Question 68

When product of two numbers is 768 and LCM is 96 what is the HCF of these numbers ?

A 8

B 12

C 4

D 24

Answer: A

#### Explanation:

$LCM \times HCF = \text{Product of the numbers}$

So,  $HCF = \text{product} / LCM = 768/96 = 8$

#### Question 69

One-fourth of an amount was loaned at simple interest with 2% rate of interest and the remaining part was lent on simple interest at 3% rate of interest What is the average rate of interest for the whole amount ?

A  $2\frac{1}{4}\%$

B  $2\frac{3}{4}\%$

C  $1\frac{1}{4}\%$

D  $4\%$

**Answer: B**

**Explanation:**

Let the amount be 100 Rs.

One fourth of it is at 2 % pa

$$\text{So, } 25 \times 2 \times 1 / 100 = .5$$

The rest is on 3% pa interest.

$$\text{So, } 75 \times 3 \times 1 / 100 = 2.25$$

$$\text{So total interest} = 2.75$$

Interest rate = ?

$$\text{Interest rate} = i \times 100 / \text{pt}$$

$$= 2.75 \times 100 / 100 = 2.75\%$$

**Question 70**

The ratio of occupied seats to the vacant seats in a bus is 1:4 By the time the bus started some more passengers tried to enter the bus which would have made the ratio 4:1 But as they failed in the attempt they were seated in an empty bus with same capacity as the previous one. What is the ratio of occupied seats to the vacant seats in this bus ?

A 3:4

B 4:1

C 3:2

D 2:3

**Answer: C**

**Explanation:**

Let there be 100 seats in each bus. Initial ratio = 1:4

So, the initial people seated = 20

New ratio = 4:1

So, new people = 60

In the new bus, the ratio = 60 : 40 = 3:2

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**Instructions**

The following table shows the sectoral distribution of production of Fabrics in India

Sector	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Mill Sector	1496	1434	1526	1656	1746	1781	1796
Power looms	33835	34794	37437	41044	44383	46529	45725
Handloom	5980	5493	5722	6108	6536	6947	6677
Others	662	662	693	769	724	768	768
Total	41973	42383	45378	49577	53389	56025	54966

**Question 71**

What is the share of output (approximate percentage) by the Handloom sector in the year 2005-06 ?

- A 12.6
- B 12.3
- C 12.2
- D 12.4

**Answer: B**

**Explanation:**

The approximate percentage of Handloom in the total =  $6108 / 49577 = 12.3\%$

**Question 72**

What is the percentage increase (approximate) in the output by Mill sector in the year 2007-08 when compared to the previous year ?

- A 0.2
- B 3.0
- C 2.0
- D 2.4

**Answer: C**

**Explanation:**

approximate % increase in output of Mill sector in 2007-08 compared to previous year =  $\frac{(1781-1746)}{1746} \times 100\% = 2\%$

**Question 73**

Read the statement below and answer the question that follow:

**Statement I:**The contribution of mill sector to the total production of Fabrics in India does not exceed 4%.

**Statement II:**The ratio of the production by mill sector to that of Handloom sector in 2004-05 and 2006-07 are almost same.

- A Only statement I is true
- B Only statement II is true
- C Both the statement I and II are true
- D Both the statement I and II are false

**Answer: C**

**Explanation:**

percentage of mill sector to that of fabrics from 2002-03 to 2008-09 is given below:

3.56, 3.38, 3.36, 3.32, 3.27, 3.17, 3.26

thus, in no year the % is greater than 4.∴ statement 1 is correct.

The ratio of mill sector to handloom in 2004-05 and 2006-07 are 26.67% and 27.1% respectively.∴ Statement 2 is also correct. Thus,

option C is the right choice.

## RRB NTPC Previous Papers (Download PDF)

### Question 74

If the same % decrease in the production of fabrics in 2008-09 continues the next year also what is the production in 2009-10 ?

- A 53972
- B 53927
- C 53792
- D 53279

**Answer: B**

#### Explanation:

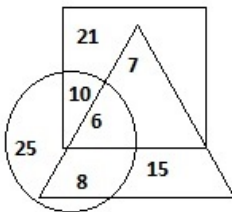
percentage loss in 2008-09 =  $(56025 - 54966) / 56025 \times 100 = 1.89\%$

the percentage loss in 2009-10 is 1.89%

=> the fabric production in 2009-10 = 98.11% of 54966 = 53927.68  $\cong$  53927

#### Instructions

In a survey conducted on 50000 people the percentage of people who read newspapers A, B, C are given in the form of square, circle, triangle respectively



### Question 75

How many people do not read papers A, B or C ?

- A 2000
- B 3000
- C 5000
- D 4000

**Answer: D**

#### Explanation:

total percent of people reading at least one of A, B, C = 92%

thus 8% do not read A, B, C.

=> no. of people who do not read papers A, B or C = 8% of 50,000 = 4000

### Question 76

If  $2\frac{1}{2}\%$  of the people who do not read newspaper A, B, C also do not read other newspapers, then how many read other newspapers ?



- A 1250
- B 3500
- C 3900
- D 4000

Answer: C

**Explanation:**

percent of people who do not read A,B or C=8%

no. of people who do not read A,B or C=8% of 50,000=4000

of this 2.5% do not read at all

=> 97.5% of 4000=3900 people who read other papers

## RRB NTPC Free Mock Tests

**Instructions**

Assuming the statement given in each question to be true choose the inference as one of the following:

- A.True B.False
- C.Uncertain D.None of the options.

**Question 77**

**Statement:** $m$  is an even integer and  $n$  is a multiple of 3.

**Inference:** $m \times n$  is divisible by 6

- A A
- B B
- C C
- D D

Answer: A

**Explanation:**

True

Because  $m$  is even ie divisible by 2.  $n$  is divisible by 3

So, their product is divisible by  $2 \times 3$  ie 6.

**Question 78**

**Statement:**A Jungle comprises of Animals Trees Reptiles Birds.

**Inference:**All Animals live in Jungle.

- A A
- B B
- C C
- D D

Answer: B

**Explanation:**

False

Just because some animals live in the jungle doesn't imply that all animals live in the jungle.

**Question 79**

**Statements:**A student with average intelligence can attempt aptitude questions but he should have an interest in Mathematics.

**Inference:**Intelligence of the Student can be assessed by his interest towards Mathematics.

A A

B B

C C

D D

**Answer:** B

**Explanation:**

False.

The first statement says that students with average intelligence can attempt aptitude questions only if they have interest in Mathematics.

The second statements says that intelligence can be measured by the student's interest in mathematics. This contradicts the first statement as it assumes that all students with average intelligence are uninterested towards Mathematics.

## RRB JE Previous Papers ( Download Pdf)

**Instructions**

If 'dear' is coded as 1234, 'head' is coded as 2345, 'tear' is coded as 1346, 'help' is coded as 4758, then

**Question 80**

**What can be the possible code for the word 'their' ?**

A 95413

B 95312

C 54961

D 65391

**Answer:** C

**Explanation:**

The letter "e" is there in every word and the number "4" is there in every code. So, 4 represents e.

Similarly, 1 represents r and 5 represents h as dear is coded as 1234 and r is dropped from dear and h is added to get head. Head is coded as 2345 ( 1 dropped and 5 added).

**Question 81**

**What can be a possible word for the code 3478 ?**

A deap

B heap

C leap

D hear

Answer: C

Explanation:

e and a are represented by 3 and 4. l and p are represented by 7 and 8 (only present in the last word ie help).

So, the required word is leap.

Instructions

If  $P \rightarrow Q$  means P is father of Q,

$P+Q$  means P is brother of Q.

$P*Q$  means Q is wife of P.

given that  $A \rightarrow B, C+B, C \rightarrow D, D+E, F*E, A*G$  then

Question 82

What does  $\oplus$  denote in the relation  $G \oplus E$ ?

A G is daughter of E

B G is granddaughter of E

C G is grandmother of E

D E is grandson of G

Answer: C

Explanation:

E is the wife of F. So, E is female and can't be the grandson of G.

Hence the answer is G is the grandmom of E.

## RRB JE Free Mock Test

Question 83

How is the relation between A and D represented ?

A  $A \rightarrow B \rightarrow D$

B  $A \rightarrow C \rightarrow D$

C  $A + C \rightarrow D$

D  $A * G \rightarrow D$

Answer: B

Explanation:

Based on the given information, A is the father of B and C. And C is the father of D.

Question 84

If B marries H and is blessed with daughter then how is the new born related to C ?

A Niece

B Sister

C Mother

D Aunt

**Answer: A**

**Explanation:**

C is B's brother. So, B's daughter will be C's niece.

**Instructions**

There are 15 students in a class who are equally distributed 5 benches forming a rectangular array of students.

Boys and Girls sit in separate benches Shravya is seated in one corner of first bench Jayant is diagonally opposite to her in the last bench. Aruna is in between Shravya and Kavya in one bench. Kavya asked the girl immediately behind her Shilpa for a pencil and Shilpa borrowed a pencil from the boy immediately behind her Anil, and gave it to Kavya Sunil is in between Anil and Jayant. After some time Shilpa goes out and Shravya sits in place of her but as Geeta did not want to sit beside Shravya Geeta swaps her place with Sweta.

**Question 85**

**How many girls are there in the Class after Shilpa left the Class ?**

- A 8
- B 5
- C 6
- D 11

**Answer: B**

**Explanation:**

The rows are assigned as girls only and boys only. Since there were 2 full rows of girls before Shilpa left, there are 5 girls remaining.

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**Question 86**

**Before Shilpa left the Class how was the seating placement for Jayant and Shilpa ?**

- A Jayant was exactly behind Shilpa
- B Jayant and Shilpa were diagonally opposite
- C Two students were there between Jayant and Shilpa diagonally
- D Jayant is two students behind Shilpa.

**Answer: D**

**Explanation:**

Based on the information provided, Jayant is on the last bench - 2 places behind Shilpa.

**Question 87**

**Immediately after Shilpa left the class who is in front of Sweta ?**

- A Geeta
- B Kavya
- C Aruna
- D Nobody

**Answer: C**

**Explanation:**

After Shilpa left, Geetha and Sweta swapped their places. So, Swetha was exactly behind Aruna then.

**Question 88**

Which one of the following places is vacant immediately after Shilpa left the Class ?

- A place in front of Geeta
- B place in front of Sweta
- C place in front of Anil
- D place in front of Shravya

**Answer: C**

**Explanation:**

Shilpa is seated in front of Arun. So, the position in front of Arun became vacant when she left.

## RRB Group-D Previous Papers

**Instructions**

For the following questions answer them individually

**Question 89**

How many integers between 1 and 100 (inclusive) are neither divisible by 2 nor 3 ?

- A 30
- B 60
- C 33
- D 40

**Answer: C**

**Explanation:**

The odd numbers are not divisible by 2. There are 50 odd numbers.

There are 33 numbers between 1 and 100 that are divisible by 3. Of them, 17 are odd and 16 are even.

So, of the 50 odd numbers, we subtract the 17 that are divisible by 3. So, we get 33 numbers.

**Question 90**

Complete the series  $\frac{1}{2}, \frac{1}{6}, \frac{1}{12}, \frac{1}{20}, \underline{\hspace{1cm}}$

- A  $\frac{1}{24}$
- B  $\frac{1}{28}$
- C  $\frac{1}{30}$
- D  $\frac{1}{32}$

**Answer: C**

**Explanation:**

The series is formed by inverse of products of 2 numbers taken at a time, ie  $1 \times 2, 2 \times 3, 3 \times 4, 4 \times 5, 5 \times 6$ , etc

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