



## RRB 2009 Kolkata

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## RRB 2009 Kolkata

### Instructions

For the following questions answer them individually

### Question 1

The popular film "Tare Zamin Par" was directed by

- A MadhurBhandarkar
- B Mahesh Bhatt
- C Sanjay Leela Bhansali
- D Amir Khan

Answer: D

## RRB NTPC Previous Papers (Download PDF)

### Question 2

The process of making soap is called

- A Saponification
- B Condensation
- C Water Electrolysis
- D Vaporisation

Answer: A

### Question 3

Who is the writer of "The White Tiger" ?

- A John Buchanan
- B Manohar Malgaonkar
- C Arvind Adiga
- D Parthasarthy Gupta

Answer: C

**Question 4**

The agenda declared by the Prime Minister for the minorities is related to

- A 20 point programme
- B 15 point programme
- C Prime minister employment scheme
- D Antyodaya programme

**Answer: D**

**RRB NTPC Free Mock Tests**

**Question 5**

Which of the following gases is chiefly found in biogas ?

- A Nitrogen
- B Hydrogen
- C Methane
- D Ethane

**Answer: C**

**Question 6**

The Elephanta pass is related to

- A Bangladesh
- B Nepal
- C Sri Lanka
- D India

**Answer: C**

**Question 7**

Lignite is a type of

- A Limestone
- B Coal
- C Copper
- D Iron ore

**Answer: B**

## RRB JE Previous Papers ( Download Pdf)

### Question 8

The laterite soil is found in

- A Tamil Nadu
- B Kamataka
- C Orissa
- D All the above

**Answer: D**

### Question 9

Which of the following soils is suitable for the production of cotton

- A Laterite Soil
- B Red Soil
- C Black Soil
- D Alluvial Soil

**Answer: C**

### Question 10

Which of the following helps in the blood clotting?

- A Vitamin A
- B Vitamin D

- C Vitamin K
- D Folic Acid

**Answer: C**

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### Question 11

In which year did the National Congress Passes the resolution of total independence?

- A 1930
- B 1929
- C 1927
- D 1916

**Answer: B**

### Question 12

The eleventh five year plan envisages

- A 11% economic growth
- B 10% economic growth
- C 9% economic growth
- D 8% economic growth

**Answer: C**

### Question 13

Who formed "Harijan Sangh" in India?

- A Dr.B.R. Ambedkar
- B Mahatma Gandhi
- C Jyotiba Phule
- D Acharya Vinobha Bhave

**Answer: B**



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### Question 14

Total memory loss is expressed by

- A Trauma
- B Amnesia
- C Coma
- D None of these

**Answer: B**

### Question 15

By which Article of the Indian Constitution was untouchability abolished?

- A Article 14
- B Article 16
- C Article 15
- D Article 17

**Answer: D**

### Question 16

Stock shares are known as

- A Inventory
- B Profit
- C Fund
- D Bonus Share

**Answer: D**

**RRB Group-D Previous Papers**

**Question 17**

**Jakumi is the mascot of**

- A Commonwealth Games - 2009
- B SAARC Games - 2009
- C National Games - 2009
- D FIFA World Cup - 2009

**Answer: D**

**Question 18**

**Which scheme has been initiated by the Indian government for women empowerment ?**

- A Annapurna
- B Swadhar
- C Service
- D Hope

**Answer: D**

**Question 19**

**Which Governor General ended the Sati System?**

- A Sir John Shore
- B Lord William Benttck
- C Lord Curzon
- D Lord Cornwallis

**Answer: B**

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**Question 20**

**4% of 400 - 2% of 800 = ?**

- A 0
- B 1
- C 8
- D 16

**Answer: A**

**Explanation:**

$$4\% \text{ of } 400 = \frac{4}{100} \times 400 = 16$$

$$2\% \text{ of } 800 = \frac{2}{100} \times 800 = 16$$

$$16 - 16 = 0$$

**Question 21**

$$\frac{2}{2+\sqrt{2}} = ?$$

- A  $2 + \sqrt{2}$
- B  $\sqrt{2}$
- C  $2 - \sqrt{2}$
- D  $2\sqrt{2}$

**Answer: C**

**Explanation:**

$$(a+b)(a-b) = a^2 - b^2$$

$$\text{Likewise } (\sqrt{2} + 1)(\sqrt{2} - 1) = 2 - 1 = 1$$

$$\text{ie. } \sqrt{2} - 1 = \frac{1}{\sqrt{2}+1}$$

So, the option is C

**Question 22**

$$\sqrt{6400} = ?$$

- A 40
- B 80
- C 60
- D None of these



**Answer: B**

**Explanation:**

$$\sqrt{6400} = \sqrt{80 \times 80} = 80$$

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**Question 23**

Find the average of the first five multiples of 3

- A 3
- B 12
- C 9
- D 15

**Answer: C**

**Explanation:**

The average of the first five multiples of 3 =  $\frac{3+6+9+12+15}{5} = 9$

**Question 24**

54 kmph is converted to m/sec

- A 14 m/sec
- B 21 m/sec
- C 15 m/sec
- D 27 m/sec

**Answer: C**

**Explanation:**

$$\begin{aligned} 54 \frac{\text{kms}}{\text{hour}} &= 54 \frac{1000\text{metres}}{3600\text{seconds}} \\ &= \frac{54 \times 1000}{3600} = 15 \text{ m/sec} \end{aligned}$$

**Question 25**

Which of the following is related to the force between two electrostatic Charges?

- A Faraday's law

- B Ohm's Law
- C Coulomb's Law
- D Ampere's Law

Answer: C

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### Question 26

The SI unit of the specific resistance is

- A Ohm/metre
- B Ohm/*metre*<sup>2</sup>
- C Ohm - metre
- D Ohm

Answer: C

### Question 27

The two elements having unequal number of electrons but same atomic mass are called

- A Isotonic
- B Isoneutronic
- C Isotopes
- D Isobars

Answer: D

### Question 28

A 100 watt bulb is burnt everyday for 15 hours. What will be the cost of consumption in 30 days at the rate of 50 paise/unit?

- A Rs. 45
- B Rs. 22.50
- C Rs. 15

D Rs. 24,50

**Answer: B**

**Explanation:**

the total energy consumed in 30 days= $100 \times 15 \times 30 = 45000$  W

unit of electricity is calculated in kW.

$\therefore$  total energy consumed = 45 kW

the total cost of consumption = total energy consumed  $\times$  rate per unit =  $45 \times .5 =$  Rs. 22.5

## RRB General Science Notes (Download Pdf)

**Question 29**

Tata's Nano project has been shifted to \_ from Singur (West Bengal).

A Andhra Pradesh

B Madhya Pradesh

C Gujarath

D Rajasthan

**Answer: C**

**Question 30**

What is the function of marketing?

A Transportation

B Buying

C Selling

D All the above

**Answer: D**

**Question 31**

Who formed the Asiatic Society of Bengal?

A Cunningham

B William Jones

- C R.D. Banerjee
- D Dayaram Sahney

**Answer: B**

## RRB GK Material (Download Pdf)

### Question 32

If  $2^x = 4^y = 8^z$  and  $\left(\frac{1}{2x} + \frac{1}{4y} + \frac{1}{6z}\right) = \frac{24}{7}$  value of z is

- A  $\frac{7}{16}$
- B  $\frac{7}{32}$
- C  $\frac{7}{48}$
- D  $\frac{7}{64}$

**Answer: C**

### Explanation:

Since x, y and z are expressed as powers of 2, 4 and 8, they have a relationship of  $x = 2y$  and  $x = 3z$

So, if  $x = 6k$ ,  $y = 3k$  and  $z = 2k$

Substituting in  $\left(\frac{1}{2x} + \frac{1}{4y} + \frac{1}{6z}\right) = \frac{24}{7}$  gives

$$1/4k = 24/7$$

$$\text{So, } k = 7/96$$

$$z = 2k = 7/48$$

### Question 33

In an examination, 8% of the applicants were found ineligible and 85% of the eligible candidates belonged to the general category. If 4275 eligible candidates belonged to other categories, then how many candidates applied for the examination?

- A 30.000
- B 35.000
- C 37.000
- D None of these

**Answer: A**

**Explanation:**

15 % corresponds to 4275

100% corresponds to how much

$$4275 * 100 / 15 = 28500$$

8% of the applications were ineligible.

So, 92% of all the applications = 28500

100% corresponds to how much

$$28500 * 100 / 92 = 30978 \text{ is approximately } 30000$$

**Question 34**

**Two numbers are less than a third number by 30% and 37% respectively. How much per cent is the second number less than the first?**

A 3%

B 4%

C 7%

D 10%

**Answer: D**

**Explanation:**

Let the 3 numbers be a,b,c.

Given a is 30% less than c

$$\Rightarrow a = (100 - 30)\%c = .7c$$

Also given b is 37% less than c

$$\Rightarrow b = .63c$$

$$a - b = (.7c) - (.63c) = .07c$$

$$\text{percentage difference between a and b} = \frac{a-b}{a} \times 100\% = \frac{.07c}{.7c} \times 100\% = 10\%$$

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**Question 35**

**Which of the following ratios is greatest?**

A 7 : 15

B 15 : 23

C 17 : 25

D 21 : 29

**Answer: D**

**Explanation:**

$$\frac{7}{15} = .467$$

$$\frac{15}{23} = .652$$

$$\frac{17}{25} = .68$$

$$\frac{21}{29} = .72$$

Thus, option D is the correct answer.

**Question 36**

The difference between two numbers is 1365. When the larger number is divided by the smaller number, the quotient is 6 and the remainder is 15. The smaller number is

A 240

B 270

C 295

D 360

**Answer: B**

**Explanation:**

$$x - y = 1365 \dots (1)$$

$$6y + 15 = x \dots\dots (2)$$

From equations (1) and (2), we get  $5y + 15 = 1365$

or  $y = 270$

**Question 37**

The least number which when increased by 5 is divisible by each one of 24, 32, 36 and 54. is

A 427

B 859

C 869

D 4320

**Answer: B**

**Explanation:**

The given numbers can be expanded as follows

$$24 = 2^3 \times 3$$

$$32 = 2^5$$

$$36 = 2^2 \times 3^2$$

$$54 = 2 \times 3^3$$

The L.C.M of the above numbers =  $2^5 \times 3^3 = 864$

Thus, the lowest number when added by 5 is divisible by the given numbers =  $864 - 5 = 859$

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**Question 38**

The value of  $\frac{(0.96)^3 - (0.1)^3}{(0.96)^2 + 0.096 + (0.1)^2}$  is

- A 0.86
- B 0.95
- C 0.97
- D 1.06

**Answer: A**

**Explanation:**

$$a^3 - b^3 = (a - b)(a^2 + ab + b^2)$$

using this relation the given equation can be expanded as

$$\frac{(.96 - .1)(.96^2 + .096 + .1^2)}{.96^2 + .096 + .1^2} = .96 - .1 = .86$$

**Question 39**

If  $\frac{2a+b}{a+4b} = 3$ , then find the value of  $\frac{a+b}{a+2b}$

- A  $\frac{2}{7}$
- B  $\frac{9}{7}$
- C  $\frac{5}{3}$
- D  $\frac{10}{9}$

**Answer: D**

**Explanation:**

$$\text{Given } \frac{2a+b}{a+4b}=3$$

$$\Rightarrow 2a + 3b = 3a + 12b$$

$$\Rightarrow a = -11b$$

Substituting this in  $\frac{a+b}{a+2b}$

$$= \frac{-10b}{9b}$$

$$= \frac{10}{9}$$

**Question 40**

A sum of Rs. 750 is distributed among A,B,C and D in such a manner that A gets as much as B and C together. B gets Rs. 125 more than C and D gets as much as C. What is A's Share?

A Rs. 100

B Rs. 225

C Rs. 275

D Rs. 325

**Answer: D**

**Explanation:**

$$D = C$$

$$B = C + 125$$

$$A = B + C$$

$$A + B + C + D = 750$$

Solving these 4 equations, we get  $C = 100$

$$B = 225$$

$$A = 325$$

$$D = 100$$

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**Question 41**

**Choose the alternative meaning of the bold part:**

**We should give a wide berth to bad characters**

A Publicity to



- B Publicly Condemn
- C Keep away from
- D Not sympathise with

**Answer: C**

**Explanation:**

"wide berth" means to keep a reasonable distance from someone. Thus, C is the right choice.

**Question 42**

**Fill in the blanks :**

**It is becoming more and more ..... that the principal is losing the confidence of his staff.**

- A Prominent
- B Conspicuous
- C Manifest
- D apparent

**Answer: D**

**Explanation:**

The word apparent means obvious which is the apt choice for the blank.

**Question 43**

**Choose the correct meaning of the bold word from the options:**

**It was altruism of nations that sent relief supplies to Maharashtra.**

- A Richness
- B Greatness
- C Hypocrisy
- D Unselfish Concern

**Answer: D**

**Explanation:**

Altruism means the unselfish concern for the well-being of others. Thus, option D is correct.

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

**Question 44**

**Complete the analogy:**

**DULL : BURNISH ::**

- A Dark : Bright
- B Intelligent : Teach
- C Flat : Sharpen
- D Tall : Short

**Answer: D**

**Explanation:**

Burnish means to shine and is the antonym of dull. Tall:short is the only antonym pair present. Therefore, option D is correct

**Question 45**

**Give one word for the sentence :**

**Mass exterminations of human beings. especially of a particular race or nation**

- A Genocide
- B Homicide
- C Matricide
- D Patricide

**Answer: A**

**Explanation:**

Homicide is the killing of one person by the other and is not mass murder. Therefore, option B is incorrect. Matricide and patricide mean's killing one's mother and father respectively and again is not a method of mass killing. So options C and D are incorrect. Genocide means the deliberate killing of a large group of people, especially those of a particular nation or ethnic group. Thus, option A is correct.

**Question 46**

**Complete the following analysis by choosing a word from the given options:**

**Tea : Leaves :: Coffee : ?**

- A Leaves
- B Seeds
- C Plants

D Beverage

**Answer: B**

**Explanation:**

Tea is prepared from cured tea leaves. Similarly, coffee is prepared from roasted coffee beans.

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**Question 47**

**Choose the best antonym :  
SCEPTICAL**

A Trusting

B Faithful

C True

D Careful

**Answer: A**

**Explanation:**

Sceptical means not easily convinced and trustful means believing something easily which is the opposite of sceptical. Therefore, option A is correct. Faithful means being reliable and consistent and is not about how easily or not a person believes in someone or something. So option B is incorrect. Careful means avoiding potential danger and true means agreeing with facts. So C and D are also wrong.

**Question 48**

**Bharat Ratna-India's highest civilian award has been given in 2008 to**

A Pt. Bhimsen Joshi

B Narayana Murthy

C Ratan Tata

D B.R. Chopra

**Answer: A**

**Question 49**

**Indira Gandhi Center for Atomic Research, Kalpakkam is located in:**

A Karnataka

- B Tamil Nadu
- C Andhra Pradesh
- D kerala

**Answer: B**

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### Question 50

Select the antonym for the underlined bold :

The fashion show at the Globe Theatre was a **Fiasco**

- A Triumph
- B Victory
- C Fruitful
- D Success

**Answer: D**

### Explanation:

Fiasco is the failure of something. Success is the accomplishment of an aim. Triumph and victory is the accomplishment of something by defeating someone whereas success need not be by overcoming someone. Thus, D is more apt.

### Question 51

Who is the Prime Minister of Bangladesh ?

- A Habibur Rahman
- B Khaleda Zia
- C Hasina Wazed
- D None of these

**Answer: C**

### Question 52

The stock Market Index of London Stock Market is referred to as

- A Footsie (FTSE)

**B** Sensex

**C** NIFTY

**D** Bullish

**Answer:** A

## RRB Group-D Previous Papers

### Question 53

Choose the keyword or phrase which is most nearly the same in meaning as the key word.

**PRAGMATIC**

**A** Recent

**B** Philosophical

**C** Definitive

**D** Practical

**Answer:** D

### **Explanation:**

Pragmatic means solving problems in a sensible way according to the situation. The meanings of words given in the options are given below:

Recent: having lately come into existence.

Philosophical: a study that attempts to unearth the fundamental nature of knowledge reality and existence.

Definitive: a decision that cannot be changed.

Practical: likely to succeed in real life situations.

The meaning of practical is closest to pragmatic. Therefore, option D is correct.

### Question 54

**Fill in the blanks :**

**He often ..... to Delhi on business trips.**

**A** Goes

**B** Has Gone

**C** Is Going

**D** Has Been Going

**Answer: A**

**Explanation:**

Simple present tense is the most appropriate as it describes an ongoing activity of going on business trips.

**Question 55**

Which of the following sequences make a meaningful sentence? There are people ..... that they have read it.

- (P) To be able to say
- (Q) Not because they enjoy the book
- (R) Who read a book
- (S) But because they want

- A PSQR
- B RQSP
- C RSPQ
- D SQPR

**Answer: B**

**Explanation:**

There are people ..... that they have read it.

- (P) To be able to say
- (Q) Not because they enjoy the book
- (R) Who read a book
- (S) But because they want

Here the subject is people. So, the first part of the blank can't be (S), (Q), or (P). By elimination, (R) is the first part of the blank. The next part of the blank is (Q). (S) starts with "But" and so follows (Q). The final part is the only remaining option ie. (P).

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**Question 56**

A railway passenger counts the telegraph poles on the rail road as he passes them. The telegraph poles are at a distance of 50 meters. What will be his count in 4 hrs if the speed of the train is 45 km per hour?

- A 2500
- B 600
- C 3600

D 5000

**Answer: C**

**Explanation:**

distance travelled by passenger = speed × time =  $45 \times 4 = 180$  km = 180000 m

count of telegraph poles = distance travelled / distance between poles =  $180000 / 50 = 3600$

**Question 57**

**A cyclist moving on a circular track of radius 100 meters completes one revolution in 2 minutes. What is the approximate speed of the cyclist?**

A 200 m/minute

B 314 m/minute

C 300 m/minute

D 900 m/minute

**Answer: B**

**Explanation:**

Speed of cyclist = distance covered by cyclist in one round / time taken for one round

distance covered in one round =  $2\pi r = 628$  m

thus, speed of cyclist =  $628 / 2 = 314$  m/minute

**Question 58**

**Which country is the largest producer of the gold in the world?**

A India

B South Africa

C China

D Brazil

**Answer: B**

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**Question 59**

**The Andaman Group and Nicobar Group of island are separated from each other by the**

- A Great Channel
- B Ten Degree Channel
- C Bay of Bengal
- D Andaman Sea

**Answer: B**

**Question 60**

**Who among the following has received the Rajiv Gandhi award for Journalism, 2008 ?**

- A Kuldeep Nayar
- B Vir Sanghavi
- C Prabhu Chawla
- D None of these

**Answer: B**

**Question 61**

**A is 3 years older to B and 3 Years Younger to C, While B and D are twins. How many years older is C to D ?**

- A 2
- B 3
- C 6
- D 12

**Answer: C**

**Explanation:**

A is 3 years older to B and 3 years younger to C. So, B is 6 years younger to C. Since B and D are twins, D is also 6 years younger to C.

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**Question 62**

**There are 10 stations on a railway line. The number of different journey tickets that are required by the authorities is**



- A 10
- B 90
- C 81
- D 100

**Answer: B**

#### Question 63

The cost of levelling and turfing a square field at Rs. 160 per hectare is 2624.40. The cost of surrounding it with a railing costing 25 paise per meter is

- A Rs. 350
- B Rs. 375
- C Rs. 400
- D Rs. 405

**Answer: D**

#### Explanation:

Area of the square field in hectares = total cost / cost per hectare =  $2624.40 / 160 = 16.4025$  ha

1 hectare =  $10000 \text{ m}^2$

$\therefore$  area of square field =  $164025 \text{ m}^2$

side of square field =  $a = \sqrt{164025} = 405 \text{ m}$

total cost of surrounding the field with railing = perimeter of field  $\times$  cost of railing per metre =  $4 \times a \times .25 = \text{Rs. } 405$

#### Question 64

A landowner increased the length and breadth of a rectangular plot by 10% and 20% respectively. The percentage change in the cost of plot is :

- A 35%
- B 33%
- C 22.22%
- D 32%

**Answer: D**

**Explanation:**

Original area =  $lb$

The length of the plot and the breadth are increased by 10% and 20%. So, the new area =  $1.1 \times 1.2 \times l \times b = 1.32lb$

So, increase in the area = 32%

## RRB General Science Notes (Download Pdf)

**Question 65**

Ram spends 20% of his monthly income on his household expenditure, 15% of the rest on books. 30% of rest on clothes and saves the rest. On counting, he comes to know he has finally saved Rs. 9,520. Find out his monthly income?

- A Rs. 15,000
- B Rs. 10,000
- C Rs. 20,000
- D None of these

**Answer: C**

**Explanation:**

Let the monthly income be  $x$

money spend on household expenditure = 20% of  $x$

money spend on books = 15% of (80% of  $x$ ) = 12% of  $x$

money spent on clothes = 30% of (68% of  $x$ ) = 20.4% of  $x$

Amount he has saved =  $[100 - (20 + 12 + 20.4)]\%$  of  $x = 47.6\%$  of  $x = 9520$

$\therefore x = 20,000$

**Question 66**

What is formed due to presence of carotene present in the milk of Indian cows ?

- A White Colour
- B Yellow Colour
- C Deep Yellow Colour
- D No Change

**Answer: B**

**Question 67**

**What is the effect of alcohol in the human body ?**

- A It increases its sensitivity
- B It decreases its sensitivity
- C It does not affect human body
- D It increases human activity

**Answer: B**

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**Question 68**

**Which group of blood can be given to a person having group-A blood ?**

- A B Group
- B A and O Group
- C AB Group
- D Bo Group

**Answer: B**

**Question 69**

**Who is the writer of 'Rajtarangini'?**

- A Katyayan
- B Kalidas
- C Vilhan
- D Kalhan

**Answer: D**

**Question 70**

**S. Chandrasekhar was awarded Nobel Prize for his contribution in the field of**

- A Chemistry
- B Physics
- C Zoology
- D Literature

**Answer: B**

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### Question 71

In a code language, FUTURE is written as TURUEF. Then in the same code the word EXCEPT will be written as

- A CEPEXT
- B XPCTEE
- C CXEPT E
- D CXPETE

**Answer: D**

### Explanation:

The second letter and the fourth stay at the same spot in the original word as well as the code. Only in D is the same pattern followed. Hence, D is the answer.

### Question 72

How many meaningful words can be formed from the letters of the word ALPE while no letter is repeated ?

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

**Answer: B**

### Explanation:

PEAL, LEAP, PALE are the only three words possible from the given letters.

**Question 73**

**Virus is a type of software that destroys mainly**

- A Data
- B Instruments
- C Programmes
- D Hardwares

**Answer: A**

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**Question 74**

**In Computer, Windows is classified as**

- A Software
- B Hardware
- C Both (1) and (2)
- D None of these

**Answer: A**

**Question 75**

**What is the name of the instrument that connects the computer to the telephone line?**

- A Scanner
- B Modem
- C C.D. Rom
- D Printer

**Answer: B**

**Question 76**

**CPU stands for**

- A Computer programming unit
- B Computer processing unit
- C Central processing unit
- D Central programming unit

**Answer: C**

## RRB NTPC Free Mock Tests

### Question 77

**The Bowl dance is popular in**

- A Orissa
- B Jharkhand
- C West Bengal
- D Madhya Pradesh

**Answer: C**

### Question 78

**The air bubble shines in water due to**

- A Refraction
- B Reflection
- C Diffraction
- D Total internal reflection

**Answer: B**

### Question 79

**The rates upstream and downstream of a swimmer are 10 kmph and 13 kmph respectively. The speed of current is**

- A 3 kmph

- B 1.5 kmph
- C 11.5 kmph
- D None of these

**Answer:** B

**Explanation:**

Let the speed of the current be  $c$

Speed of the swimmer =  $s$

$$s + c = 13 \dots (1)$$

$$s - c = 10 \dots (2)$$

Subtracting (2) from (1), we get  $2c = 3$  or  $c = 1.5$

## RRB JE Previous Papers ( Download Pdf)

**Question 80**

In a college the boys and girls are in the ratio 8 : 5. If the number of girls be 160, then how many students are therein the college ?

- A 356
- B 416
- C 260
- D 250

**Answer:** B

**Explanation:**

The ratio of boys: girls = 8:5

Number of girls = 160

So, number of boys =  $8 * 160/5 = 256$

Total =  $256 + 160 = 416$

**Question 81**

$$0.5 \div 12 + 0.25 \times 0.05 = ?$$

- A 0.0525
- B 0.7

- C 0.00196  
D None of these

**Answer: A**

**Explanation:**

$$.5 \div 12 = .04$$

$$.25 * .05 = .0125$$

$$.04 + .0125 = .0525$$

Hence, (a) is the answer.

**Question 82**

Two taps can fill an empty tank in 2 hours and 3 hours respectively. If both the taps are opened together, the tank will be filled in

- A 30 minutes  
B 5 hours  
C 1 hour 12 minutes  
D 2 hours 3 minutes

**Answer: C**

**Explanation:**

Time taken by the taps = 2 hrs and 3 hrs respectively

$$\text{Time taken by both of them together} = \frac{1}{\frac{1}{2} + \frac{1}{3}}$$

$$= \frac{6}{5} \text{ hours} = 1 \text{ hr and } 12 \text{ mins}$$

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**Question 83**

Dronacharya award is given to a

- A Music Teacher  
B Sports Coach  
C Military for excellent bravery  
D Person for excellent contribution in social service

**Answer: B**



**Question 84**

The famous Bengali song 'Ekla Chalo re' is the composition of

- A Rabindra Nath Tagore
- B Devendra Nath Tagore
- C Bankim Chandra Chatterjee
- D Satyajit Ray

**Answer: A**

**Question 85**

The heaviest metal among the following is.

- A Uranium
- B Copper
- C Silver
- D Aluminium

**Answer: A**

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**Question 86**

The simplest form of  $\frac{391}{667}$  is

- A  $\frac{23}{31}$
- B  $\frac{19}{23}$
- C  $\frac{15}{19}$
- D  $\frac{17}{29}$

**Answer: D**

**Explanation:**

$$\frac{391}{667} = \frac{17 \times 23}{29 \times 23} = \frac{17}{29}$$

**Question 87**

**The universal donor blood group is**

- A AB
- B BA
- C O
- D A

**Answer: C**

**Question 88**

**The region known as rice bowl of India is**

- A North eastern region
- B Kerala and Tamil Nadu
- C Indus - Ganges Region
- D Krishna - Godavari Delta

**Answer: D**

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**Question 89**

**To make steel hard we add**

- A Silicon
- B Carbon
- C Chromium
- D Manganese

**Answer: B**

**Question 90**

**The domestic LPG cylinders are not provided with barometers because**

- A These are very costly
- B Their use is not safe
- C They choke the LPG
- D They do not measure the quantity

**Answer: D**

**Question 91**

**The cooling agent in a refrigerator is**

- A Oxygen
- B Nitrogen
- C Freon
- D Carbon dioxide

**Answer: C**

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**Question 92**

**Which of the following is not directly important for economic growth ?**

- A Saving Rate
- B Use of resources
- C Money
- D Price Stability

**Answer: C**

**Question 93**

**Which state is the chief producer of jute?**

- A Tamil Nadu
- B West Bengal

- C Bihar
- D Andhra Pradesh

**Answer: B**

**Question 94**

**Which of the following is not a central tax ?**

- A Customs Duty
- B Income Tax
- C Land Revenue
- D Excise Duty

**Answer: C**

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**Question 95**

**The success of Green Revolution is dependent on the availability of**

- A Chemical fertilizers and insecticides
- B Adequate irrigation facility
- C High yield variety seeds
- D All the above

**Answer: D**

**Question 96**

**Newton/kg is a unit of**

- A Acceleration
- B Force
- C Efficiency
- D Energy

**Answer: A**

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