



## RRB Kolkata 2009

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## 2009 RRB Kolkata

### Instructions

Four players- Ajay, Babu, Chandu and Devi- are camping at four separate campsites-E, F, G and H not necessarily in that order. The campsites are located on four separate Lakes- I, J, K and L not necessarily in that order - which are in four separate state Madhya Pradesh, Nagaland, Orissa and Punjab not necessarily in that order.

a: Babu is camping on lake K.

b: H's campsite is on lake J, which is in Nagaland

c: The player in lake I, a native of Punjab camps only in that state

d: Devi is at campsite F

e: Ajay is camping in Orissa

### Question 1

Where must Babu be camping ?

- A At Campsite F
- B In Madhya Pradesh
- C On lake L
- D In Nagaland

**Answer: B**

### Explanation:

the above given information is summarized in the table below:

Name	Camp site	Lake	State
B	E/G	K	M
C	H	J	N
D	F	I	P
A	E/G	L	O

From the table we can see that Babu is camping in Madhya Pradesh.

## RRB NTPC Previous Papers (Download PDF)

### Question 2

If you arrange the players on the basis of first letter of their names in alphabetical order, the corresponding correct order of states will be:

- A Madhya Pradesh, Nagaland, Punjab, Orissa
- B Orissa, Madhya Pradesh, Nagaland, Punjab
- C Punjab, Madhya Pradesh, Nagaland, Orissa
- D Nagaland, Madhya Pradesh, Orissa, Punjab

**Answer: B**

### Explanation:

the above given information is summarized in the table below:

Name	Camp site	Lake	State
B	E/G	K	M
C	H	J	N
D	F	I	P
A	E/G	L	O

A-O,B-M,C-N and D-P

Thus the corresponding order of states is Orissa, Madhya Pradesh, Nagaland, Punjab

### Question 3

Lake I is the site of :

- A Campsite F
- B Ajay's camp
- C The camp in Orissa
- D Chandu's camp

**Answer:** A

### Explanation:

the above given information is summarized in the table below:

Name	Camp site	Lake	State
B	E/G	K	M
C	H	J	N
D	F	I	P
A	E/G	L	O

From the table we can see that lake L is situated at campsite F.

### Question 4

Which statement is true of the lake L ?

- A Chandu is camping here
- B Devi is camping there
- C It is in Madhya Pradesh
- D Ajay is camping there

**Answer:** D

### Explanation:

the above given information is summarized in the table below:

Name	Camp site	Lake	State
B	E/G	K	M
C	H	J	N
D	F	I	P
A	E/G	L	O

From the table Ajay is camping at lake L.

### Question 5

Which of the following cannot be determined on the basis of the information given ?

- A In which state, the lake K is situated
- B Who is at campsite E
- C What campsite is in Punjab
- D Who is camping in Nagaland

**Answer: B**

#### Explanation:

the above given information is summarized in the table below:

Name	Camp site	Lake	State
B	E/G	K	M
C	H	J	N
D	F	I	P
A	E/G	L	O

The campsite at E can be in state M or state O.

#### Instructions

For the following questions answer them individually

### Question 6

In a projectile motion, the velocity:

- A is always perpendicular to the acceleration
- B is never perpendicular to the acceleration
- C is perpendicular to the acceleration for only one instant
- D is perpendicular to the acceleration for two instants only

**Answer: C**

### Question 7

A metal wire of length  $l$  and area of cross section  $A$  is subjected to a longitudinal force  $Mg$ . The wire elongates by a length  $l$ . If the Young's Modulus of the material of the wire is  $Y$ , the work done by the external force is:

- A  $\frac{A}{2L} Y l^2$
- B  $Mgl$
- C  $\left(\frac{Mg}{A^2}\right)l$
- D  $\frac{YAl^2}{L}$

**Answer: A**

## RRB JE Previous Papers ( Download Pdf)

### Question 8

The angle of a prism is  $60^\circ$  and its refractive index is 1.5. There will be no emergent light if the angle of incidence on the first face is:

- A  $30^\circ$
- B Less than  $27^\circ$
- C More than  $30^\circ$
- D  $60^\circ$

Answer: B

**Question 9**

The dimension of the ratio of angular to linear momentum is:

- A MC LC TC
- B  $MLT^{-1}$
- C  $ML^2T^{-1}$
- D  $M^{-1}L^{-1}T^{-1}$

Answer: A

**Question 10**

A car accelerate from rest at a constant rate  $\alpha$  for some time after which it decelerate at a constant rate  $\beta$  to come to res. If the total time elapsed is 10 sec., then the maximum velocity reached is

- A  $\frac{10\alpha}{\beta}$
- B  $\frac{10(\alpha+\beta)}{\alpha\beta}$
- C  $\frac{10\alpha\beta}{\alpha+\beta}$
- D  $\frac{10\beta}{\alpha}$

Answer: C

## RRB JE Free Mock Test

**Question 11**

The outer part of a railway track near the bend or a curve is generally raised:

- A To prevent the fast wear and tear of railway track
- B To produce the necessary centripetal force
- C To produce the necessary gravitational force
- D To enhance the speed of the train

Answer: B

**Question 12**

The latitude difference between India and Pakistan for their Standard time is:

- A 12C
- B 7.5C
- C 3.8C
- D 8.5C

**Answer: B**

**Question 13**

**Find the incorrect one:**

- A Herz is used to measure frequency
- B Kelvin is used to measure temperature
- C Bel is used to measure atmospheric pressure
- D Ohm is used to measure electrical resistance

**Answer: C**

**Explanation:**

Bel is used to measure the loudness of sound. Thus choice C is incorrect.

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**Question 14**

**What is the control unit's function in the CPU**

- A To transfer data to primary storage
- B To store program instructions
- C To perform logic operations
- D To decode program instructions

**Answer: C**

**Question 15**

**The errors that can be pointed out by the compiler are:**

- A Syntax Error
- B Semantic Error
- C Logical Error
- D Internal Error

**Answer: A**

**Question 16**

**One Gigabyte is approximately equal to :**

- A 1000,000 bytes
- B 1000,000,000 bytes
- C 1000,000,000 bits
- D None of these

Answer: B

## RRB Group-D Previous Papers

### Question 17

Check the odd term out:

- A Internet
- B Linux
- C Unix
- D Windows

Answer: A

### Question 18

Conceptually, the circuitry of a central processing unit (CPU) can be subdivided into two major subunits. Which one of the following units would perform the required arithmetic and comparison operations ?

- A ALU
- B Control unit
- C RAID unit
- D Fuzzy logic unit

Answer: A

### Question 19

The format for storing digital audio in Multimedia application is :

- A JPEG
- B TIFF
- C WAV
- D BMP

Answer: C

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### Question 20

A "bug" is a logical fault in a programming system which causes unexpected or undesirable results under certain conditions. During the life cycle of a software system, a bug can be:

- A Detected
- B Isolated
- C Repaired
- D All of the above

Answer: C

**Question 21**

**UNIX is an example of:**

- A Batch processing operating system
- B Time sharing operating system
- C Real time sharing system
- D None of these

Answer: C

**Question 22**

**The binary equivalent of 63 is:**

- A 01100011
- B 01111111
- C 0111111
- D None of these

Answer: C

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**Question 23**

**Under Server and any Server can become what arrangement any computer can become computer ?**

- A In local Area Network
- B In Peer to Peer
- C In Client Server System
- D In Wide Area Network

Answer: A

**Question 24**

**Which one of the is not an internal DOS command ?**

- A RD
- B TIME



C FORMAT

D TYPE

Answer: B

Question 25

Which of the following has the smallest storage capacity ?

A CD

B DVD

C Zip disk

D Floppy disk

Answer: D

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Question 26

What is the full form of the acronym VSAT ?

A Very Small Aperture Terminal

B Virtual System Aperture Terminal

C Very Small Antenna Technology

D Virtual System Antenna Technology

Answer: A

Question 27

What is the name of the software that allows us to browse through web pages called ?

A Browser

B Mail Client

C FTP Client

D Messenger

Answer: A

Question 28

The Chief Central Information Commissioner and Information Commissioners shall be appointed by:

A By the President of India

B By the President of India on the recommendation of Prime Minister

C By the President of India on the recommendation of law minister of the union of India

D By the President of India on the recommendation of a committee consisting of Prime Minister, leader of opposition and a union cabinet minister nominated by Prime Minister.

Answer: D

## RRB General Science Notes (Download Pdf)

### Question 29

No citizen shall, on grounds only of religion, race, caste, sex, descent, place of birth, residence or any of them, be ineligible for, or discriminated against in respect of any employment or office under the state. This right is guaranteed by the Constitution of India under:

- A Article 14
- B Article 16
- C Article 19
- D Article 21

Answer: B

### Question 30

The first trial run of Delhi Metro rail was done on:

- A 8th September, 2002
- B 19th September, 2002
- C 17th September, 2002
- D 15th September, 2002

Answer: C

### Question 31

How many deputy Prime Ministers have been appointed so far in history of free and independent India ?

- A 5
- B 6
- C 7
- D None of these

Answer: C

## RRB GK Material (Download Pdf)

### Question 32

The pattern of consumption of electricity in a home is as follows.

- i.  $5 \times 60$  watt bulbs 5 hours a day
- ii.  $5 \times 60$  watt fans 10 hours a day
- iii. TV as required

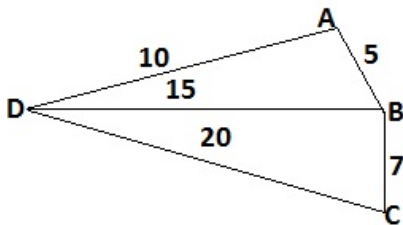
If the consumption in a month of 30 days is 195 the TV power consumption per day is:

- A 1 Unit
- B 1.2 Units
- C 1.5 Units
- D 2 Units

Answer: A

**Question 33**

In the diagram given below 'D' represents the depot and A, B, C are the retail outlets points such that the distance between 'D' and 'A' is 10 kms. 'D' and 'B' is 15 kms. and D and C is 20 kms. Distance from 'A' to 'B' is 5 kms and 'B' to 'C' is 7 kms. What is the saving in kms, if the route is optimised on any day and a vehicle has limit of 50 kms. per day and load wise it can pick up the the load of 'A', 'B' and 'C' in one loading:



- A 60 kms.
- B 52 kms.
- C 48 kms.
- D 38 kms.

Answer: C

**Explanation:**

normal route distance =  $2DA + 2DB + 2DC = 90\text{km}$

optimized route distance =  $DA + AB + BC + CD = 42\text{km}$

the saving in distance =  $90 - 42 = 48\text{km}$

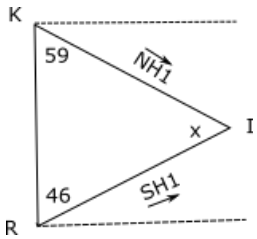
**Question 34**

Kheri is due north of Rampur. Highway NH-1 runs 31C south of east from Kheri and highway SH-1 runs 44C north of east from Rampur. If NH-1 and SH-1 are straight, what is the measure of acute angle they form at the intersection ?

- A 105C
- B 89C
- C 75C
- D 59C

Answer: C

**Explanation:**



The acute angle at the intersection= $x=180-(59+46)=75$

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### Question 35

Which one is not written by Munshi Prem Chand ?

- A Rangbhoomi
- B Prem Pachisi
- C Vishkanya
- D Kayakalp

Answer: C

### Question 36

If the price index for the year 2008 was 120 and for the year 2009 it is 130. The rate of inflation would be:

- A 7.69%
- B 10%
- C 8.3%
- D 13%

Answer: C

Explanation:

the rate of inflation =  $\frac{\text{difference in price between 2008 and 2009}}{\text{price in 2008}} \times 100\% = \frac{10}{120} \times 100\% = 8.3\%$

### Question 37

If the  $a_{th}$  part of 49 is 7 and  $b_{th}$  part of 63 is 9 and  $c_{th}$  part of 112 is 16. Then which of the following is true:

- A  $abc = \frac{1}{7}$
- B  $abc = a^3$
- C  $abc = \frac{1}{49}$
- D  $abc = \frac{c}{a}$

Answer: B

Explanation:

Given,

$a=7, b=7$  and  $c=7$

$a \times b \times c = 343$

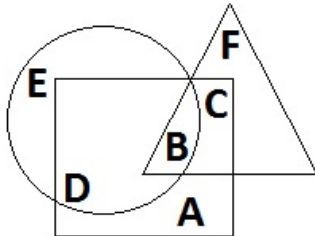
also,  $a^3=343$

thus  $a \times b \times c=a^3$

## RRB NTPC Previous Papers (Download PDF)

### Instructions

In the following diagram, three classes of population are represented by three figures. The triangle represents the school teachers, the rectangle represents the married persons and the circle represents the person living in joint families.



### Question 38

Married persons living in joint families but not working as school teachers are represented by:

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

Answer: B

### Explanation:

Married persons living in joint families but not working as school teachers are represented by the intersection of rectangle and circle but excluding the triangle i.e region D. Thus option B is correct.

### Question 39

Persons who lived in joint families, are unmarried and who do not work as school teachers are represented by:

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

Answer: C

### Explanation:

Persons who lived in joint families, are unmarried and who do not work as school teachers are represented by the region of circle which does not intersect with other figures which is region E.

### Question 40

Married teachers living in joint families are represented by:

- A B

- B C
- C A
- D None of these

**Answer:** A

**Explanation:**

Married teachers living in joint families is found out by the intersection of the three regions. Thus, option A is correct.

## RRB NTPC Free Mock Tests

**Instructions**

For the following questions answer them individually

**Question 41**

**My office is to the east of the bus stand while my residence is to the south of the bus stand. The market is to the north of my office. If the distance of the market from my office is the same as the distance from my residence to the bus stand, then in which direction is the market with respect to the bus stand ?**

- A South-West
- B North-East
- C East
- D North

**Answer:** B

**Explanation:**

The market is to the north of the office. And the office is to the east of the Bus Stand. Hence the market is to the north east of the bus stand.

**Question 42**

**A farmer travelled a distance of 61 km. in a 9 hours. He travelled partly on foot at the rate of 4 km. per hour and partly on bicycle at the rate of 9 km. per hour. The distance travelled on foot is:**

- A 17 km.
- B 16 km.
- C 15 km.
- D 14 km.

**Answer:** B

**Explanation:**

If  $t$  is the time travelled on foot, then  $9-t$  is the time taken on the bicycle.

The distance travelled on foot + the distance travelled on bicycle = total distance travelled

thus,  $4t + (9-t)9 = 61$ , distance travelled = Speed  $\times$  time

On solving we get  $t = 4$

So the distance travelled on foot =  $4 \times 4 = 16$  km

**Question 43**

**In a wooden box, there are four red and four black balls. If two balls are taken out simultaneously at random, then the probability of both balls being red is:**

A  $\frac{1}{2}$

B  $\frac{1}{4}$

C  $\frac{3}{8}$

D  $\frac{3}{14}$

Answer: D

Explanation:

Probability of both balls being red =  $\frac{4}{8} \times \frac{3}{7} = \frac{3}{14}$

## RRB JE Previous Papers ( Download Pdf)

Question 44

A complete cycle of a traffic lights takes 60 seconds. During each cycle the light is green for 25 seconds, yellow for 5 seconds and red for 30 seconds. At a randomly chosen time, the probability that the light will not be green is:

A  $\frac{1}{3}$

B  $\frac{1}{4}$

C  $\frac{5}{12}$

D  $\frac{7}{12}$

Answer: D

Explanation:

probability that the light is not green = probability that the light is green or red =  $(30 + 5)/60 = 7/12$

Question 45

The average score of three boys in Mathematics is 30. When the score of a fourth boy is added to the total score of the three boys, the average is lowered to 25, What is the score of the fourth boy ?

A 10

B 15

C 20

D 25

Answer: A

Explanation:

Sum of scores of the 3 boys = avg of scores of the 3 boys  $\times$  no of boys =  $30 \times 3 = 90$

Sum of scores including the 4th boy =  $25 \times 4 = 100$

Thus, the score of the 4th boy =  $100 - 90 = 10$

Instructions

From among the five doctors 1, 2, 3, 4 and 5, four engineers G, H, K, L and six teachers M, N, O, P, Q and R, some teams are to be selected. Of these 1, 2, G, H, O, P, Q are females and the rest are males. The formation of teams is subject to the following conditions.

Wherever there is a male doctor, there will not be a female teacher. Wherever there is a male engineer, there will not be a female doctor. There shall not be more than two male teacher in any team.

**Question 46**

If the team consists of two doctors, two female teachers and two engineers, then all the following teams are possible except

- A 1, 2, K, L, P, Q
- B 1, 2, G, H, P, Q
- C 1, 2, G, H, O, Q
- D O, P, G, H, 1, 2

**Answer:** A

**Explanation:**

Since female teachers are present there should not be any male doctors. Thus only female doctors should be present. Since female doctors are present, there should not be any male engineers. Thus, option A is wrong as male engineers are present.

## RRB JE Free Mock Test

**Question 47**

If the team consists of two doctors, three female teachers and two engineers, then the members of the team are:

- A 3, 4, O, P, Q, G, H
- B 1, 2, O, P, Q, G, H
- C 3, 4, K, L, O, P, Q
- D 4, 5, G, H, O, P, Q

**Answer:** B

**Explanation:**

Since female teachers are present, there should not be any male doctors. Only option B satisfies this condition.

**Question 48**

If the team consists of three doctors, two male engineers and two teachers, then the members of the team could be:

- A 3, 4, 5, K, L, M, N
- B 1, 2, 3, K, L, M, R
- C 3, 4, 5, K, L, P, R
- D 1, 2, H, M, R, P, Q

**Answer:** A

**Explanation:**

Since 3 doctors are required there should be at least 1 male doctor (as female doctors only 2). Thus, according to the conditions given there should not be any female teachers. Options B, C and D violates this. Thus, option A is correct.

**Instructions**

Study the following information carefully and answer these questions.

P, Q, R, S, T, W and Z are seven students studying in three different institutes A, B and C. There are three girls among the seven students who study in each of the three institutes. Two of seven students study BCA, two study Medicine and one each studies Aviation Technology, Journalism and MBA. R studies in the same college as P who studies MBA in college B. No girl studies Journalism or MBA. T studies BCA in college C. S studies Journalism in the same college as Q. Neither R nor Z studies BCA. The girl who studies BCA does not study in college C. W and Z study in the same college and W is a guy.



Question 49

Which of the following pairs of students study BCA?

A RT

B WT

C PQ

D QT

Answer: D

Explanation:

**Based on the information available, the classification of the group is as follows:**

<b>Name</b>	<b>Gender</b>	<b>Field</b>	<b>College</b>
<b>P</b>	<b>M</b>	<b>MBA</b>	<b>B</b>
<b>Q</b>	<b>F</b>	<b>BCA</b>	<b>A</b>
<b>R</b>	<b>F</b>	<b>not BCA</b>	<b>B</b>
<b>S</b>	<b>M</b>	<b>JOURNALISM</b>	<b>A</b>
<b>T</b>	<b>M</b>	<b>BCA</b>	<b>C</b>
<b>W</b>	<b>M</b>		<b>C</b>
<b>Z</b>	<b>F</b>	<b>not BCA</b>	<b>C</b>

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Question 50

In which college does Q study ?

A A

B B

C C

D Data inadequate

Answer: A

Explanation:

**Based on the information available, the classification of the group is as follows:**

<b>Name</b>	<b>Gender</b>	<b>Field</b>	<b>College</b>
<b>P</b>	<b>M</b>	<b>MBA</b>	<b>B</b>
<b>Q</b>	<b>F</b>	<b>BCA</b>	<b>A</b>
<b>R</b>	<b>F</b>	<b>not BCA</b>	<b>B</b>
<b>S</b>	<b>M</b>	<b>JOURNALISM</b>	<b>A</b>
<b>T</b>	<b>M</b>	<b>BCA</b>	<b>C</b>
<b>W</b>	<b>M</b>		<b>C</b>
<b>Z</b>	<b>F</b>	<b>not BCA</b>	<b>C</b>

Question 51

In which of the college do three of them study ?

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

Answer: C

Explanation:

**Based on the information available, the classification of the group is as follows:**

<b>Name</b>	<b>Gender</b>	<b>Field</b>	<b>College</b>
<b>P</b>	<b>M</b>	<b>MBA</b>	<b>B</b>
<b>Q</b>	<b>F</b>	<b>BCA</b>	<b>A</b>
<b>R</b>	<b>F</b>	<b>not BCA</b>	<b>B</b>
<b>S</b>	<b>M</b>	<b>JOURNALISM</b>	<b>A</b>
<b>T</b>	<b>M</b>	<b>BCA</b>	<b>C</b>
<b>W</b>	<b>M</b>		<b>C</b>
<b>Z</b>	<b>F</b>	<b>not BCA</b>	<b>C</b>

Question 52

What is the college of Z ?

- A A
- B B
- C C
- D Data insufficient

Answer: C

Explanation:

**Based on the information available, the classification of the group is as follows:**

Name	Gender	Field	College
P	M	MBA	B
Q	F	BCA	A
R	F	not BCA	B
S	M	JOURNALISM	A
T	M	BCA	C
W	M		C
Z	F	not BCA	C

## RRB Group-D Previous Papers

Question 53

Which of the following three represent girls ?

- A SQR
- B SQZ
- C QRZ
- D None of these

Answer: C

Explanation:

**Based on the information available, the classification of the group is as follows:**

<b>Name</b>	<b>Gender</b>	<b>Field</b>	<b>College</b>
<b>P</b>	<b>M</b>	<b>MBA</b>	<b>B</b>
<b>Q</b>	<b>F</b>	<b>BCA</b>	<b>A</b>
<b>R</b>	<b>F</b>	<b>not BCA</b>	<b>B</b>
<b>S</b>	<b>M</b>	<b>JOURNALISM</b>	<b>A</b>
<b>T</b>	<b>M</b>	<b>BCA</b>	<b>C</b>
<b>W</b>	<b>M</b>		<b>C</b>
<b>Z</b>	<b>F</b>	<b>not BCA</b>	<b>C</b>

**Instructions**

For the following questions answer them individually

**Question 54**

Alka, Sudha and Shailja had amounts in the ratio of 3:4:5 respectively. Each of them got an additional amount of Rs. 8,000 and the ratio of amounts became 4:5:6 respectively. What was the amount Shailja had originally ?

- A Rs. 24,000
- B Rs. 30,000
- C Rs. 36,000
- D Rs. 40,000

**Answer: D**

**Explanation:**

Let the amounts of Alka, Sudha and Shailja be  $3x, 4x$  and  $5x$  respectively.

When 8000 is added, let their amounts be  $4k, 5k$  and  $6k$  respectively.

$$3x + 8000 = 4k \dots (1)$$

$$4x + 8000 = 5k \dots (2)$$

$$5x + 8000 = 6k \dots (3)$$

On solving we get  $x=8000$  and  $k=8000$

Thus, Shailja's amount =  $5 \times 8000 = \text{Rs. } 40,000$

**Instructions**

In each of the following number series, a wrong number is given, find out the number.

**Question 55**

2160, 360, 69, 18, 6, 3

- A 69
- B 18

C 360

D 6

**Answer: A**

**Explanation:**

the series is as follows:

$$360=2160/6$$

$$72=360/5$$

$$18=72/4$$

$$6=18/3$$

$$3=6/2$$

Thus 69 is not part of the series.

## RRB Free Videos (You Tube Channel)

**Question 56**

7, 8, 18, 57, 228, 1165, 6996

A 57

B 1165

C 228

D None of these

**Answer: C**

**Explanation:**

The series can be rewritten as:

$$7, 7 \times 1 + 1 = 8, 8 \times 2 + 2 = 18, 18 \times 3 + 3 = 57, 57 \times 4 + 4 = 232, 232 \times 5 + 5 = 1165$$

=> 228 is not present in the series and is the wrong one.

**Instructions**

For the following questions answer them individually

**Question 57**

In each castle, there is provision of food for 150 men for 50 days. After 20 days 50 men leave the castle. The remaining food will last for:

A 40 days

B 45 days

C 42 days

D 50 days

**Answer: B**

**Explanation:**

Let the quantum of food be 1500 units.

Food lasts for 50 days for 150 men.

After 20 days, 2/5th of the food is over.

So, units of food left = 900

1500 units 50 days 150 men

900 units ? days 100 men

? =  $900/1500 \times 50 \times 150/100 = 45$  days

**Question 58**

If the perimeter of the rectangular garden is 1200 metres and the ratio of width to length is 3:5 then its length in metres will be:

- A 325
- B 350
- C 375
- D None of these

**Answer:** C

**Explanation:**

Let the width be  $3x$  and length be  $5x$

Perimeter =  $16x$

But  $16x = 1200$

So  $x = 1200/16 = 75$

length =  $5x = 5 \times 75 = 375$

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**Question 59**

In the following question, a number series is given. After the series a number is given followed by a, b, c, d and e. You have to complete the series starting with the given number, following the sequence of original series and answer the question that follows the series.

105 53 27 14 7.5 4.25

85 a b c d e

What will come in place of (c) ?

- A 9.5
- B 11
- C 11.5
- D None of these

**Answer:** C

**Explanation:**

The series involves adding one to every number and dividing it by 2.

So,  $(85 + 1)/2 = 43$

$(43 + 1)/2 = 22$

$(22 + 1)/2 = 11.5$

**Question 60**

CD-ROM is a:

- A Semi conductor memory

- B Magnetic memory
- C Memory Register
- D None of these

**Answer: A**

**Question 61**

**Dot-matrix is a type of:**

- A Tape
- B Disk
- C Printer
- D Bus

**Answer: C**

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**Question 62**

**WWW stands for**

- A World Wide Web
- B World Wild Web
- C World Wild Wait
- D World With Web

**Answer: A**

**Question 63**

**Which of the following is not a web browser ?**

- A Internet Explorer
- B Mosaic
- C Outlook Express
- D Netscape Navigator

**Answer: C**

**Question 64**

**Modem stan for:**

- A Modem Demodulator
- B Mobile Demodulator
- C Modulator Demodulator

D Modem Emulator

Answer: C

## RRB General Science Notes (Download Pdf)

Question 65

Turpentine oil is obtained from:

A Eucalyptus tree

B Animal fat

C Pine Tree

D None of these

Answer: C

Question 66

Study of soil is called:

A Ecology

B Pedogenesis

C Pedology

D None of these

Answer: C

Question 67

Which part of plant respire ?

A Leaf

B Roots

C Seeds

D All of these

Answer: A

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Question 68

A decibel is:

A A musical note

B A measure sound level

C A musical instrument

D The wavelength of noise



Answer: B

**Question 69**

The Council of Ministers of Indian Union is collectively responsible to the:

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

Answer: D

**Question 70**

The main constituent of honey is:

- A Fructose
- B Sucrose
- C Glucose
- D Maltose

Answer: A

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**Question 71**

In the context of human physiology, antibodies are:

- A Carbohydrates
- B Proteins
- C Sterols
- D Glycolipids

Answer: B

**Question 72**

Which of the following human hormones contains iodine ?

- A Oxytocin
- B Progesterone
- C Adrenalin
- D Thyroxine

Answer: D

**Question 73**

When it is 12:00 noon in India, the time in San Francisco (USA), would be close to:

- A 11.30 pm of previous day
- B 11.30 pm
- C 8.30 pm of previous day
- D 8.30 pm

**Answer:** D

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### Question 74

Who among the following was the first lady Prime Minister in the World ?

- A Mary Eugenia Charles
- B Golda Meir
- C Sirimavo Bandaranaike
- D Indira Gandhi

**Answer:** C

### Question 75

The Mountains Pass Nathu-La is located in:

- A Arunachal Pradesh
- B Himachal Pradesh
- C Sikkim
- D Jammu & Kashmir

**Answer:** C

### Question 76

If in the English alphabet (given in bracket) every fourth letter is replaced by the symbol (\*), which of the following would be seventh to the left of the fourteenth element from the left ?

(A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

- A G
- B T
- C \*
- D None of these

**Answer:** A

### Explanation:

Replacing every 4th element with (\*) we can rewrite the English alphabet as

ABC\*EFG\*IJK\*MNO\*QRS\*UVW\*YZ

14th element is R. 7th to the left of the R is G.

## RRB NTPC Free Mock Tests

### Question 77

12 year old Mahesh is three times as old as his brother Ramesh. How old will Mahesh be when he is twice as old as Ramesh ?

- A 14 years
- B 20 years
- C 18 years
- D 16 years

**Answer: D**

#### Explanation:

age of Mahesh=12

Given, Mahesh is 3 times as old as Ramesh.

So age of Ramesh is=4

From options, we can see that when we put Mahesh's age to be 16, we get the age Ramesh to be 8.

∴ when Mahesh is 16 his age is twice that of Ramesh.

### Question 78

In a class of 72 children, children are seated in rows and columns in such a way that the number of children in each row is 12.5% more than the number of children in each column. How many children are there in each row ?

- A 9
- B 8
- C 18
- D 12

**Answer: A**

#### Explanation:

let the number of children in each column be  $x$ . Thus, the number of children in each row is  $1.125x$

given, total number of children =  $72 = x(1.125x)$

∴  $x = 8$ .

thus, number of children in a row =  $1.125x = 9$

### Question 79

Mr. Agarwal gave 30% of his money to his wife, half of the remaining to his daughter and the rest was to be distributed among his five sons equally. If each son received Rs. 14,000, what was the total amount he had ?

- A Rs. 1,75,000
- B Rs. 2,00,000
- C Rs. 1,00,000
- D None of these

**Answer: B**

#### Explanation:

Let  $x$  be the total amount with Mr. Agarwal  
money given to his wife = 30% of  $x$   
money given to his daughter = 35% of  $x$   
money given to each son =  $(35/5)\%$  of  $x = 7\%$  of  $x$   
given,  $7\%$  of  $x = 14,000$   
 $\Rightarrow x = \text{Rs. } 2,00,000$

## RRB JE Previous Papers ( Download Pdf)

### Question 80

How much time will a 270 metre long train running at a speed of 360 metre/sec take to cross a platform of equal length ?

- A 1.2 seconds
- B 1.4 seconds
- C 1.5 seconds
- D 1.8 seconds

**Answer:** C

### Explanation:

time = distance/speed =  $540/360 = 1.5$  s

### Question 81

In the following options pick the correctly spelt word.

- A Typhoid
- B Thyhyiod
- C Typhyoid
- D Thyphoid

**Answer:** A

### Explanation:

Typhoid is a bacterial infection. Words in option B, C and D are all meaningless. So option A is correct.

### Question 82

In the following options pick the correctly spelt word.

- A Stretchar
- B Stretcher
- C Stratcher
- D Strecher

**Answer:** B

### Explanation:

A Stretcher is a device like a cot which is used for carrying sick people. Thus option B has the word which is correctly spelt.

## RRB JE Free Mock Test

### Instructions

In the following questions choose the meaning that best suits the given word.

### Question 83

#### Fiscal

- A Concerning hospitality services
- B Concerning physics
- C Concerning human body
- D Concerning government tax revenue

**Answer:** D

#### Explanation:

fiscal means relating to government tax or revenue. So option D is correct.

### Question 84

#### Jeopardy

- A Danger
- B Gamble
- C Risk
- D Challenge

**Answer:** A

#### Explanation:

Jeopardy means to be in danger. So option A is correct.

### Instructions

Pick out the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.

### Question 85

He is an \_\_\_\_\_ of high character. He is honest and truthful.

- A Enlargement
- B Efficiency
- C Embodiment
- D Evocation

**Answer:** C

#### Explanation:

Embodiment is someone that is the best representation of a particular quality. Here the person is a man possessing high character. Thus, embodiment is the apt choice.

**Question 86**

\_\_\_\_\_ shortcomings of other should be forgiven and forgotten.

- A Constant
- B Petty
- C Profound
- D Durable

**Answer: B**

**Explanation:**

The blank requires a word that describes the type of fault that should be forgiven. Petty means trivial and is the aptest choice.

**Question 87**

I am \_\_\_\_\_ over the joy and excitement while writing this letter to you.

- A Brimming
- B Focus
- C Narrating
- D Pleased

**Answer: A**

**Explanation:**

The blank requires a word that describes the extent of joy. Brimming means overflowing and is the apt word for the blank.

**Instructions**

Against each key word are given four suggested meanings. Choose the word or phrase which is opposite in meaning to the key word.

**Question 88**

"Insolent"

- A Magnificent
- B Innocent
- C Rude
- D Courteous

**Answer: D**

**Explanation:**

Insolent means disrespectful and courteous means polite. Thus, D is the opposite of the given word.

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**Question 89**

"Jittery"

- A Bold
- B Shaky

C Profuse

D Tense

**Answer: A**

**Explanation:**

Jittery means nervous and bold means confident. Thus choice A is correct.

**Question 90**

**"Judicious"**

A Ambitious

B Confident

C Sober

D Imprudent

**Answer: D**

**Explanation:**

Judicious means having good judgement. Imprudent means rash or unwise. Thus option D is the correct choice.

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