



## Railways Group D 9 Nov 2014

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## Railways Group D

### Instructions

For the following questions answer them individually

### Question 1

Which of the following non-alcoholic beverages is known as the 'Queen Beverages'

- A Coffee
- B Tea
- C Cocoa
- D Cola

Answer: B

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### Question 2

Ibrahim Rahmatollah Cup is associated with :

- A Archery
- B Boxing
- C Badminton
- D Basketball

Answer: C

### Question 3

Blood pressure is measured with :

- A Thermometer
- B Barometer
- C Sphygmomanometer
- D Lactometer

Answer: C

### Question 4

Deforestation results in which of the following ?

- A Drought
- B Floods
- C Soil erosion
- D All the above

Answer: D

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### Question 5

Bone deformities occur due to the excessive intake of :

- A Phosphorus
- B Potassium
- C Fatty acid
- D Fluorine

Answer: D

### Question 6

Full form of IOC is :

- A Indian Oil Company
- B Indian Oil Corporation
- C India Oil Company
- D India Oil Corporation

Answer: B

### Question 7

What is the general direction of cyclones formed in the Bay of Bengal ?

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

Answer: A

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### Question 8

Which of the following is a parasitic plant ?

- A Marchantia
- B Kelp
- C Mushroom
- D Pteris

Answer: C

**Question 9**

Which of the following is released during photosynthesis ?

- A Oxygen
- B Carbon dioxide
- C Light
- D Energy

**Answer: A**

**Question 10**

A boat moves upstream at the rate of 2 kms in 10 minutes and downstream at the rate of 2 kms in 6 minutes. The speed of the current is :

- A 4 kmph
- B 1.5 kmph
- C 2 kmph
- D 2.5 kmph

**Answer: A**

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**Question 11**

Which one among the following rivers flows through rift valley ?

- A Mahanadi
- B Krishna
- C Tungabhadra
- D Tapi

**Answer: D**

**Question 12**

Vidyasagar Setu is built on the river :

- A Hoogly
- B Brahmaputra
- C Ganga
- D Yamuna

**Answer: A**

**Question 13**

Optical Fibre was invented in the year :

- A 1995
- B 2000
- C 1952
- D 2005

Answer: C

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### Question 14

Who is the Columbus of the space age ?

- A Mithali Raj
- B Kalpana Chawla
- C Yuri Gagarin
- D Leela Seth

Answer: C

### Question 15

Which National Highway connects Delhi and Kolkata ?

- A NH - 2
- B NH - 4
- C NH - 6
- D NH- 10

Answer: A

### Question 16

Amjad Ali Khan is associated with which of the following musical instruments ?

- A Sarod
- B Violin
- C Tabala
- D Sitar

Answer: A

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### Question 17

The constitutional authority vested with power of declaring Casts and Tribes as Scheduled Casts and Scheduled Tribes is the :

- A Parliament
- B Home Minister
- C President of India
- D Chairman SC/ST Commission

**Answer: C**

**Question 18**

X, Y, Z started a business by investing 4000, 8000 and 10,000. 'X' withdraws from the business after 6 months and "Z" withdraws after 9 months. At the end of the year the profit is 1,80,000. What is the share of X, Y, Z in the profit respectively ?

- A Rs.60,000, 20,000, Rs. 1,00,000 respectively
- B Rs.20,000, 60,000, Rs. 1,00,000 respectively
- C Rs.20,000, 60,000, Rs. 80,000 respectively
- D None of the above

**Answer: B**

**Question 19**

The neutron was discovered by :

- A Chadwick
- B Rutherford
- C Ferlni
- D Bohr

**Answer: A**

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**Question 20**

What is formed when a metal is reacted with acid ?

- A Zinc
- B Sulphur
- C Carbon
- D Hydrogen Gas

**Answer: D**

**Question 21**

Rs.355 have been divided among A, B, C in such a way that A had 20 more than B and C had Rs.15 more than A. How much was C's share ?

- A Rs.100
- B Rs.120
- C Rs.135
- D Rs.150

Answer: C

**Question 22**

Which of the following is a rich source of carbohydrates ?

- A Bean
- B Brown-Rice
- C Groundnut
- D Gram

Answer: B

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**Question 23**

$143.276 + 4031.0001 + 400.0010 + 321.1 + 009.0 - 0.09 =$

- A 4094.37
- B 4904.371
- C 4904.771
- D 4904.2871

Answer: D

**Question 24**

Approximate value of  $71.98 \div 12.12 \times 7.35$  ?

- A 35
- B 42
- C 65
- D 91

Answer: B

**Question 25**

What is the average temperature of surface water of the oceans ?

- A 22° Celsius
- B 17.20 Celsius

C 26.7o Celsius

D 19.4o Celsius

**Answer: B**

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### Question 26

When day-light hours are increased, the rate of photosynthesis :

A increases

B decreases

C remains unchanged

D None of the above

**Answer: A**

### Question 27

The author of the book 'Ratnavali' is :

A Tulsidas

B Kalidas

C Harsh Vardhan

D Premchand

**Answer: C**

### Question 28

The object of Sangam Yojana is :

A to make Ganga water pollution free

B to ensure welfare of handicapped

C to unite various groups of Hindus

D None of the above

**Answer: B**

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### Question 29

In Basketball, how many players are there in each side ?

A 5

B 7

C 9



D 11

Answer: A

Question 30

The mirror used by ENT specialist is :

- A Plane mirror
- B Concave mirror
- C Convex mirror
- D None of these

Answer: B

Question 31

6561, 81, 9, ?

- A  $3\frac{1}{2}$
- B 3
- C  $4\frac{1}{2}$
- D 4

Answer: B

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Question 32

'Operation Cactus' is the name given to Indian Military intervention in :

- A Maldives
- B Srilanka
- C Bangladesh
- D Bhutan

Answer: A

Question 33

'AZLAN SHAH' cup is associated with :

- A Badminton
- B Cricket
- C Football
- D Hockey

Answer: D

**Question 34**

In India, the plateau of Malwas is an example of :

- A Piedmont plateau
- B Lava plateau
- C Continental plateau
- D Intermontane plateau

**Answer:** A

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**Question 35**

What price should a tradesman mark on an article which costs him Rs.300 to gain 20% after allowing 4% discount ?

- A 324
- B 350
- C 375
- D None of the above

**Answer:** C

**Question 36**

Blood clotting will not occur in the absence of :

- A Iron
- B Calcium
- C Phosphorus
- D None of the above

**Answer:** B

**Question 37**

Which of the following causes polio-myelitis ?

- A Dengue Virus
- B Entero Virus
- C Mumps Virus
- D Rhabdo Virus

**Answer:** B

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**Question 38**

Which one of the following do not take part in the elections of the President ?

- A Elected Members of Lok Sabha
- B Elected Members of Rajya Sabha
- C Members of Legislative Councils
- D None of the above

**Answer: C**

**Question 39**

The number of pairs of spinal nerves in man are

- A 30
- B 31
- C 33
- D 32

**Answer: B**

**Question 40**

$6.4 \times 3.8 \times 4.2 \times 0.3$

- A 30.6432
- B 72.0192
- C 00.0192
- D None of the above

**Answer: A**

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**Question 41**

$4\frac{1}{2} + (1 \div 2\frac{8}{9}) - 3\frac{1}{13} ?$

- A  $13/6$
- B  $1\frac{10}{3}$
- C  $4\frac{12}{11}$
- D  $4\frac{11}{12}$

**Answer: B**

**Question 42**

'Mrichakatika' was written by :

- A Vikramaditya
- B Sudraka
- C Kalhana
- D Banabhatta

Answer: B

**Question 43**

The mean distance from the Sun to the Earth is called :

- A Light year
- B Parallax second
- C Astronomical unit
- D Angstrom

Answer: C

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**Question 44**

$1008561 + 8165423 + 9132435 - 2342175 - 4832511 =$

- A 11131373
- B 11113733
- C 11131733
- D 11133371

Answer: C

**Question 45**

Chemically fats and oils are :

- A Triglycerides
- B Amines
- C Aldehydes
- D Ketons

Answer: A

**Question 46**

Which protein occurs abundantly in Egg ?

- A Keratin
- B Albumin

- C Collagen
- D Haemoglobin

Answer: B

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Question 47

$[17.98 + 6.21 - 1.25 + 0.51 - 0.96 + 0.81 = ?$

- A 23.6
- B 23.4
- C 24.4
- D 23.3

Answer: D

Question 48

Full form of NIC is :

- A National Information Centre
- B National Information Council
- C National Informatics Centre
- D None of the above

Answer: C

Question 49

Doldrum is a Zone of :

- A Inter tropical convergence zone
- B Inter tropical divergence
- C Local winds
- D Frontolysis

Answer: A

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Question 50

If a panchayat is dissolved elections are to be held within

- A One month
- B Three months
- C Six months

D One year

Answer: C

Question 51

Who founded the Brahma Samaj ?

A Ram Mohan Roy

B Keshav Chandra Sen

C None of these

D Iswar Chandra Vidyasagar

Answer: A

Question 52

The percentage of plasma in the total blood volume in human beings is about

A 45

B 50

C 55

D 60

Answer: C

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Question 53

Which of the following metals has the lowest melting point ?

A Mercury

B Lithium

C Potassium

D Sodium

Answer: A

Question 54

Human beings can hear the sound range between

A 10 to 20 decibels

B 100 to 150 decibels

C 50 to 60 decibels

D None of the above

Answer: C

**Question 55**

**Gandhiji started Satyagraha in 1919 to protest against :**

- A Rowlatt Act
- B Cornwallis
- C Simpson
- D O.Dwyer

**Answer: A**

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**Question 56**

**The age of Sitamma 10 years ago was thrice the age of Radha. 10 years hence, Sitamma's age will be twice that of Radha. What is the ratio of their present age ?**

- A 7 : 3
- B 3 : 1
- C 2 : 1
- D None of these

**Answer: A**

**Explanation:**

let Radha age 10 years ago be x

and sitamma age 10 years ago is 3x

so now 10 years hence the age of radha is  $x+10+10 = x+ 20$

similarly age of sitamma is  $3x + 20$

we know 10 year hence the age of sitamma is twice the age of radha

$$3x + 20 = 2(x + 20)$$

so  $x = 20$

therefore age of radha 10 years ago was 20 and that of sitamma was 60

hence the present age of radha is 30 and that of sitamma is 70

therefore the ratio of sitamma and radha's age is 70:30 i.e 7:3

**Question 57**

**'Nam om' and 'Mekong' are the chief rivers of :**

- A China
- B Myanmar
- C Thailand
- D Indonesia

**Answer: A**

**Question 58**

Which one of the following is the oldest Grand Slam of the World ?

- A Wimbledon
- B French Open
- C Australia Open
- D US Open

**Answer: A**

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**Question 59**

Approximate value of  $\sqrt{6083} \times 32.998$  ?

- A 2574
- B 2576
- C 2547
- D 2579

**Answer: A**

**Question 60**

Velocity of sound is minimum in :

- A Steel
- B Vacuum
- C Water
- D Air

**Answer: B**

**Question 61**

The element of Electric Stove is made of :

- A copper
- B invar
- C magnalium
- D nicrome

**Answer: D**

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**Question 62**

The Shipping Corporation of India Limited was formed in :

- A 1952
- B 1950
- C 1976
- D 1981

**Answer: B**

**Question 63**

The water of which one of the following lakes is used for producing salt ?

- A Barapani
- B KoHeru
- C Loktak
- D Sambhar

**Answer: D**

**Question 64**

Which one of the following is the weakest force ?

- A Gravitational Force
- B Electromagnetic Force
- C Nuclear Force
- D Electrostatic Force

**Answer: A**

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**Question 65**

The method of protecting iron from rusting by coating a thin layer of zinc is called

- A galvanizing
- B rancidity
- C alloy
- D pulverizing

**Answer: A**

**Question 66**

The metal which can be deformed permanently by heat and pressure is called a

- A Thermoplastic
- B Thermoset
- C Chemical compound
- D Polymer

Answer: B

Question 67

$$436 \times 17 \times 3 + 32 =$$

- A 22,609
- B 22,654
- C 22,268
- D None of the above

Answer: C

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Question 68

The average attendance of a college for the first three days of a week is 325 and first four days is 320. How many were present on the fourth day ?

- A 300
- B 315
- C 350
- D 305

Answer: D

Question 69

Which of the following elements is the most electronegative ?

- A Flourine
- B Oxygen
- C Magnesium
- D Calcium

Answer: A

Question 70

Histology is the study of :

- A Bones

- B Coins
- C Tissues
- D History

Answer: C

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### Question 71

Which of the following in the human body is popularly called the Adam's apple ?

- A Adrenal
- B Liver
- C Thyroid
- D Thymus

Answer: C

### Question 72

Head Quarters of UNICEF is in ?

- A New York
- B Washington
- C Lyon
- D London

Answer: A

### Question 73

Seconds pendulum is a pendulum which executes one oscillation in :

- A Half a second
- B Three seconds
- C Two seconds
- D None of these

Answer: C

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### Question 74

Small-pox is a deadly and highly contagious

- A Bacterial disease
- B Viral disease

- C fungal disease
- D Vitamin deficiency disease

**Answer: B**

**Question 75**

**VU2SAT is also called as?**

- A EDUSAT
- B HAMSAT
- C CARTOSAT - 2
- D METSAT

**Answer: B**

**Question 76**

**Which of the following political parties contested election in Andhra pradesh for the first time during 15th Lok Sabha elections ?**

- A All India Majlise-itfehadul Muslimeen
- B Telangana Rastra Samfthi
- C Praja Rajyam
- D Telugu Desam

**Answer: C**

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**Question 77**

**SI unit of magnetic flux is :**

- A Weber
- B Tesla
- C Henry/metro
- D Weber/metre<sup>2</sup>

**Answer: A**

**Question 78**

**A and B can do a piece of work in 12 days. B and C can do in 15 days. C and A can do in 20 days In how many daya. will C alone can finish the work separately ?**

- A 30 days
- B 20 days
- C 60 days

D None of the above

Answer: C

Question 79

$$(1694 + 11) + (2568 \div 8) - (534 \div 6)$$

A 1986

B 1996

C 1937

D 1956

Answer: C

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Question 80

Two trains 121 meters and 99 meters in length respectively are running in opposite directions, one at the rate of 40 kms and the other at the rate of 32 kms an hour. In what time will they completely clear each other from the moment they meet ?

A 10 sec

B 09 sec

C 11 sec

D None of the above

Answer: C

Question 81

The term 'Heavy Water' refers to :

A Ice

B Deuterium oxide

C Re-distilled water

D Water at 4 1/2 c

Answer: B

Question 82

Trachoma is a disease of the :

A Liver

B Eyes

C Lungs

D Kidneys

Answer: B

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### Question 83

Full form of FERA is :

- A Foreign Exchange Rules Ad
- B Foreign Exchange Registration Act
- C Foreign Exchange Regulation Ad
- D None of the above

Answer: D

### Question 84

Find simple interest on 7,300 at 12% p.a for the period from 5th January 2007 to 11th April 2007 ?

- A 247.20
- B 284.20
- C 294.20
- D 230.40

Answer: D

### Question 85

Which one of the following districts is well known for the cultivation of coffee ?

- A Balasore
- B Chikmangalur
- C Guntur
- D Khurda

Answer: B

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### Question 86

The mass density of kerosene is :

- A more than water
- B less than water
- C equal to water
- D None of the above

Answer: B

**Question 87**

How many Articles did we have in our original constitution ?

- A 400 Articles
- B 410 Articles
- C 448 Articles
- D 395 Articles

Answer: D

**Question 88**

One kg Tea powder and one kg Sugar together cost ₹ 95. If the price of Tea powder falls by 10% and the price of Sugar raises by 20% per kg each, the cost of one kg Tea powder and one kg Sugar together comes to ₹ 90. Then what is the original price of Tea powder in rupees per kg ?

- A 72
- B 55
- C 60
- D 80

Answer: D

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**Question 89**

One horse power is equal to :

- A 523 watts
- B 746 watts
- C 516 watts
- D 719 watts

Answer: B

**Question 90**

Mapping of the radio emissions from extra terrestrial sources is known as :

- A Asteroids
- B Radio mapping
- C Radio astronomy
- D Radio photography

Answer: C

**Question 91**

**Who was the President of India at the time of proclamation of emergency in the year 1976 ?**

- A V.V. Giri
- B Gyani Zail Singh
- C Fakhruddin Ali Ahmad
- D Shankar Dayal Sharma

**Answer: C**

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**Question 92**

**National Institute of Homeopathy is at :**

- A Kolkata
- B Jaipur
- C Chennai
- D Bangalore

**Answer: A**

**Question 93**

**Optics is the study of :**

- A nature and properties of light
- B old age, its phenomena, diseases etc
- C diseases of the nervous system
- D symbolic representations

**Answer: A**

**Question 94**

**Who gave the slogan "you give me blood, I promise you freedom" ?**

- A Bhagat Singh
- B Chandra Shekhar Azad
- C Subhash Chandra Bose
- D Bal Gangadhar Tilak

**Answer: C**

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**Question 95**

The pitch of the sound is measured by its

- A Intensity
- B Waveform
- C Frequency
- D Loudness

**Answer: C**

**Question 96**

Plants used for production of biofuel are :

- A Pongamia giabra
- B Jatropha curcas
- C Acacia melanoxyton
- D Azadirachta indica

**Answer: B**

**Question 97**

Which of the following acts as a resistance against disease in the body ?

- A Carbohydrates
- B Red corpuscles
- C Vitamins
- D White corpuscles

**Answer: D**

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**Question 98**

Full form of ITPO is :

- A Industrial Trade Promotion Organisation
- B Indian Trade Promotion Organisation
- C Income Tax Payments Organisation
- D None of the above

**Answer: B**

**Question 99**

Which of the following normally warms up faster when heat is applied ?

- A Water
- B Glass
- C Iron
- D Wood



Answer: C

**Question 100**

A person suffering from myopia cannot see the objects at :

- A near distance
- B longer distance
- C any distance
- D close to eye

Answer: B



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