RRB NTPC 2 April 2016 (2nd Shift)

RRB NTPC 2 April 2016

Instructions

For the following questions answer them individually

Question 1

Rearrange the following jumbled sentences to make a meaningful one:
P: weather conditions across a vast geographic
Q: the climate of India
R: scale and varied topography
S: comprises of a wide range of
The proper sequence should be:

A SRQP

B QSPR

C PQRS

D QRPS

Answer: B

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Question 2

Choose the pair which is related in the same way as the words in the first pair from the given choices.
SOLDIERS : ARMY :: MUSICIANS : ....

A FLOCK

B GANG

C COLONY

D BAND

Answer: D

Question 3

The process when the computer is switched on and the operating system gets loaded from hard disk to main memory is called

A Booting

B Fetching

C Processing

D Multi-Processing

Answer: A

Question 4

Which Indian won the 2014 Nobel Prize for Peace?

A Kailash Satyarthi

B Malala Yosufzai

C Sanjiv Chaturvedi

D Anshu Gupta

Answer: A

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Question 5

If three numbers are in the ratio 2:3:5 and the twice their sum is 100. Find the square of the largest of the three numbers.

A 225

B 625

C 25

D 100

Answer: B

Question 6

Who was the first President of the Indian National Congress?

A Womesh Chunder Bonnerjee

B Bal Gangadhar Tilak

C Allan Octavian Hume

D Dadabhai Naoroji

Answer: A

Question 7

What is the compound interest on Rs. 48,000 for 2 years at 20 % p.a., if interest is compounded annually?

A Rs. 69,120

B Rs. 21,120

C Rs. 76,800

D Rs. 72,000

Answer: B

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Question 8

A ladder 20 m long is leaning against a vertical wall. It makes an angle of 30° with the ground. How high on the wall does the ladder reach?

A 10 m

B 17.32 m

C 34.64 m

D 30 m

 Answer: A

Question 9

Ram said, "Sita is my paternal great grandfather's only son's only daughter-in-law". How is Sita related to Ram?

A Maternal Aunt

B Paternal Aunt

C Mother

D Sister

 Answer: C

Question 10

A piece of cloth costs Rs. 35. If the piece were 4 m longer and each meter were to cost Rs. 1 lesser, then the total cost would remain unchanged. How long is the piece of cloth?

A 10 m

B 14 m

C 12 m

D 8 m

 Answer: A

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Question 11

In 2013, the first woman to be elected as the President of South Korea is

A Park Youne-sun

B Yuk Youne-soo

C Park Geun-hye

D Sim Sang Jung

 Answer: C

Question 12

The Mughal empire was founded by

A Babur

B Humayun

C Akbar

D Shah Jahan

   Answer: A

Question 13

Two poles of the height 15 m and 20 m stand vertically upright on a plane ground. If the distance between their feet is 12 m, find the distance between their tops.

A 11 m

B 12 m

C 13 m

D 14 m

   Answer: C

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Question 14

How is Sameer related to Akbar if Sameer introduced Akbar as his maternal grandmother's only son's son?

A Brother

B Son

C Maternal Uncle

D Cousin

   Answer: D

Question 15

Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.
Statement: According to a recent health survey, people who exercise for at least half an hour every day are less prone to lifestyle diseases.
Conclusions:
I. Moderate exercise is essential to lead a healthy life.
II. Everyone with no exercise on their routine suffer from lifestyle diseases.

A Only conclusion I follows

B Only conclusion II follows

C Both I and II follow

D Neither of them follows

   Answer: A

Question 16

Which of the following chess pieces moves in a straight line, but kills in a cross direction?

A Knight

B Rook

C Bishop

D Pawn

Answer: D

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Question 17

The oldest oil field in Asia is located in -

A Gujarat

B Assam

C Arunachal Pradesh

D Nagaland

Answer: B

Question 18

The simple interest on a certain sum of money invested at a certain rate for 2 years amounts to Rs. 1200 The compound interest on the same sum of money invested at the same rate of interest for 2 years amounts to Rs. 1290. What was the principal?

A Rs. 12000

B Rs. 16000

C Rs. 6000

D Rs. 4000

Answer: D

Question 19

Which of the following is false?
Sound waves are .... waves.

A Pressure

B Longitudinal

C Electromagnetic

D Mechanical

Answer: C

Question 20

Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follovv(s) from the given statement.
Statement: In some tier 2 cities in India, transportation is one of the major problems.
Conclusions:
I. All tier 2 cities are not well connected.
II. Lack of transportation facilities is the only problem in Indian metros.

A   Only conclusion I follows

B   Only conclusion II follows

C   Both I and II follow

D   Neither of them follows

Answer: D

Question 21

Below are given statements. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follows from the given statements.
Statements:
I. All rats are hills.
II. All hills are rivers.

A   Some rivers are rats

B   No river is a hill

C   All hills are rats

D   No river is a rat

Answer: A

Question 22

How many bones does a new born human baby have

A   350

B   206

C   211

D   411

Answer: A

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Question 23

Which country built the Bird's Nest Stadium for 2008 Summer Olympics?

A China

B Brazil

C Australia

D Germany

    Answer: A

Question 24

Which of the following coloured light has the lowest frequency?

A Green

B Blue

C Red

D Violet

    Answer: C

Question 25

In 2015, which auto manufacturer manipulated emissions testing data leading to the resignation of its CEO Martin Winterkom?

A Volkswagen

B Ford

C Toyota

D General Motors

    Answer: A

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Question 26

A closed wooden rectangular box made of 1 cm thick wood has the following outer dimensions: length 22 cm, breadth 17 cm, and height 12 cm. It is filled to capacity with cement. What is the volume of the cement in the box?

A 1488 cu. cm

B 3000 cu. cm

C 4488 cu. cm

D 2880 cu. cm

    Answer: B

Question 27

If the code for MOTHER is JRQKBU then what is the code for PRINCIPAL?

A MRFKZLMXI

B SULQFLSDO

C MUFQZLMDI

D MRFKZFMXI

Answer: C

Question 28

The only non-metal which is liquid at room temperature is

A Mercury

B Bromine

C Chlorine

D Gallium

Answer: B

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Question 29

Maanch is a folk dance from

A Haryana

B Kerala

C Assam

D Madhya Pradesh

Answer: D

Question 30

Which of the following insecticides' harmful effects came under media attention when health issues in Kerala were publicized?

A Endosulfan

B Lethal

C Thimet

D Monocil

Answer: A

Question 31

The HCF and LCM of two numbers are 3 and 2730 respectively. If one of the numbers is 78, find the other number.

A 107

B 103

C 105

D 102

   Answer: C

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Question 32

If A =1 and OAR = 34, then ROAR =

A 52

B 53

C 51

D 50

   Answer: A

Question 33

Choose the one which is different or odd from the following.

A Aluminum

B Iron

C Copper

D Brass

   Answer: D

Question 34

According to the Constitution, the ratio between the length and breadth of the national tricolor should be

A 3 : 2

B 3 : 1

C 2 : 1

D 4 : 3

   Answer: A

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Question 35

If P travelled the first half of a journey at 40 km/hr and the remaining distance at 50 km/hr, what is the average speed of his travel?

A 44.44 km/hr

B 53.33 km/hr

C 45 km/hr

D 60 km/hr

  Answer: A

Question 36

Find the LCM of 15, 25 and 29.

A 2335

B 3337

C 2175

D 2375

  Answer: C

Question 37

In 1981. ISRO launched India's first geostationary satellite called

A Arvabhata

B APPLE

C Bhaskara II

D INSAT 1B

  Answer: B

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Question 38

Which of the following was the first antibiotic discovered by Alexander Fleming in 1928?

A Penicillin

B Prontosil

C Streptomycin

D Tetracyline

  Answer: A

Question 39

If '+' means x, means +, 'x' means + and '÷' means — : compute the value of the expression:
17 + 6 x 13 ÷ 8

A 100

B 107

C 110

D 109

   Answer: B

Question 40

Which among the following is true for the given numbers?

A 3/8 < 19/73 < 29/47 < 17/39

B 19/73 < 3/8 < 17/39 < 29/47

C 19/73 < 3/8 < 29/47 < 17/39

D 19/73 < 29/47 < 318 < 17139

   Answer: B

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Question 41

Divide 3740 in three parts in such a way that half of the first part, one-third of the second part and one-sixth of the third part are equal.

A 700, 1000, 2040

B 340, 1360, 2040

C 680, 1020, 2040

D 500, 1200, 2040

   Answer: C

Question 42

In which state is 'White Desert' present in India?

A Gujarat

B Tamil Nadu

C Jammu and Kashmir

D Sikkim

   Answer: A

Question 43

Which of the following Acts under the Indian Constitution is described by Article 21A?

A Right to Education

B Right to Information

C Representation of the People

D Right to Freedom of Religion

   Answer: A

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Question 44

Which of the following monuments built by Muhammad Quli Qutb Shah is said to be built to commemorate the eradication of plague?

A   Alai Minar

B   Charminar

C   Fateh Buij

D   Qutub Minar

Answer: B

Question 45

Which of the following is not an example of a Word Processor?

A   IBM Lotus Symphony

B   Microsoft Word

C   Google Docs

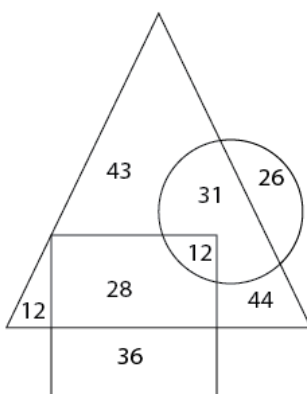**D**   Microsoft Excel

Answer: D

Instructions

Comprehension:

Study the diagram given below and answer the questions based on it.

△ represents persons who like Reading

○ represents persons who like Cycling

□ represents persons who like Trekking

Question 46

How many persons like Reading?

A   170

B   154

C 176

D 117

    Answer: A

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Question 47

How many persons like Trekking and Reading but not Cycling?

A 12

B 31

C 44

D 28

    Answer: D

Question 48

How many persons like Reading and cyclling but not trekking?

A 31

B 12

C 26

D 28

    Answer: A

Instructions

For the following questions answer them individually

Question 49

There are 90 coins, comprising of 5 and 10 paisa coins. The value of all the coins is Rs. 7. How many 5 paisa coins are there?

A 50

B 45

C 40

D 35

    Answer: C

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Question 50

How high is the badminton net at the center?

A 5 feet

B 5.1 feet

C 5.5 feet

D 4.8 feet

   Answer: A

Question 51

Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.
Statement: Success cannot be achieved without hard work.
Conclusions:
I. Every hardworking person is successful.
II. Every successful person is hardworking.

A Only conclusion I follows

B Only conclusion II follows

C Both I and H follow

D Neither of them follows

   Answer: B

Question 52

What is the mode of the following set of numbers?
52, 54, 55, 56, 55, 54, 53, 55, 53, 51 and 57

A 53

B 54

C 55

D 52

   Answer: C

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Instructions

Use the following passage for the questions based on it.
Comprehension:
There are six flats on a floor in two rows. Out of these, three are north facing and the other three are south facing flats. The flats are to be allotted amongst Arun, Biswajyot,, Chita. Derek, Evan and Fatima. Biswajyot gets a north facing flat and is not next to Derek. Derek and Fatima get diagonally opposite flats. Chitra is next to Fatima, and gets a south facing flat. Evan gets a north facing flat.

Question 53

Except Derek and Fatima, which other pair is diagonally opposite to each other?

A Arun and Biswajyot

B Arun and Chitra

C   Evan and Derek

D   Evan and Chitra

    Answer: A

Question 54

Which of the following pairs is exactly opposite to each other?

A   Derek and Evan

B   Fatima and Chitra

C   Evan and Chitra

D   Evan and Arun

    Answer: C

Question 55

Which of the following combination gets south facing flats?

A   Arun, Chitra and Fatima

B   Chitra, Biswajyot and Derek

C   Evan, Arun and Fatima

D   Derek, Arun and Biswajyot

    Answer: A

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Instructions

For the following questions answer them individually

Question 56

30 men working 5 hours a day can do a task in 16 days. In how many days will 40 men working 6 hours a day do the same task?

A   12 days

B   10 days

C   15 days

D   18 days

    Answer: B

Instructions

Study the following table and answer the questions based on it.

Below is the Household Expenditure (in Thousand rupees) per annum.

Year	Household Expenditure				
	Grocery	Rent	Leisure	EMI	Taxes
2010	32	12	5	3.4	9
2011	37	13	6.5	4.5	13
2012	46	14	7.3	5.6	17
2013	48	16	7.9	6.4	18
2014	52	18	8.5	7.4	19

Question 57

What is the total Household Expenditure for the year 2012?

A   Rs. 89,900

B   Rs. 87,120

C   Rs. 89,100

D   Rs. 88,200

   Answer: A

Question 58

Expenditure on EMI forms *hat percentage of expenditure on Grocery for the year 2014?

A   11.34 %

B   14.23 %

C   13.22 %

D   15.55 %

   Answer: B

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Question 59

What is the average spending on Leisure per annum?

A   Rs. 7,040

B   Rs. 6,500

C   Rs. 7,100

D   Rs. 7,400

   Answer: A

Instructions
For the following questions answer them individually

Question 60

A triangle has a perimeter of 200. If two of its sides are equal and the third side is 20 more than the equal sides, what is the length of the third side?

A 60

B 50

C 80

D 70

  Answer: C

Question 61

The operating system UNIX is the trademark of

A Microsoft

B Bell Laboratories

C Apple

D Motorola

  Answer: B

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Question 62

The first large scale electrical air conditioning was invented and used in 1902 by

A Willis Carrier

B John Gorrie

C Stuart Cramer

D H. H. Schultz

  Answer: A

Question 63

The area of a triangle ABC is 63 sq. units. Two parallel lines DE, FG. are drawn such that they divide the line segments AB and AC into three equal parts. What is the area of the quadrilateral DEGF?

A 28 sq. units

B 35 sq. units

C 21 sq. units

D 48 sq. units

  Answer: C

Question 64

Which of the following is the most common kidney stone-forming compound?

A Calcium oxalate

B Magnesium oxide

C Sodium bicarbonate

D Magnesium citrate

Answer: A

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Question 65

Compute: (50 + 0.5x20) + 0.7

A 8.571

B 857.1

C 85.71

D 72.85

Answer: C

Question 66

Working together, P, Q and R reap a field in 6 days. If P can do it alone in 10 days and Q in 24 days, in how many days will R alone be able to reap the field?

A 32 days

B 40 days

C 45 days

D 60 days

Answer: B

Question 67

In 2015, underground glaciers of frozen water were discovered on

A Mars

B Venus

C Jupitar

D Saturn

Answer: A

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Question 68

A shopkeeper marks the price of an article at Rs. 320. Find the cost price if after allowing a discount of 10%, he still gains 20% on the cost price.

A Rs. 240

B Rs. 280

C Rs. 300

D Rs. 264

Answer: A

Question 69

Which leader adopted Orthodox Christianity as the official religion of Russia?

A Vladimir the Great

B Michael Romanov

C Ivan IV

D Boris Godunov

Answer: A

Question 70

If RUN = 182114 and BIN = 2914, then BRING =

A 2189147

B 1178136

C 31910158

D 21910158

Answer: A

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Question 71

On an average, how many taste buds are present in a human tongue?

A 2000 to 8000

B 50000 to 100000

C 1 million to 10 million

D More than 10 million

Answer: A

Question 72

5.16 x 3.2 =

A 15.502

B 16.512

C 17.772

D 17.52

Answer: B

Question 73

Choose the pair which is related in the same way as the words in the first pair from the given choices.
DOG : KENNEL :: BEE :

A HIVE

B BARN

C HOLE

D NEST

Answer: A

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Question 74

Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.
Statements:
A. Some fruits are vegetables.
B. All vegetables are plants.
Conclusions:
I. Some plants are vegetables.
II. Some fruits are plants.

A Only conclusion I follows

B Only conclusion II follows

C Both I and II follow

D Neither of them follows

Answer: C

Question 75

A table was sold at a profit of 10%. If its cost price was 5% less and it was sold for Rs. 7 more, the gain would have been 20%. Find the cost price of the table.

A Rs. 175

B Rs. 200

C Rs. 250

D Rs. 150

Answer: A

Question 76

Which of the following species doesn't breed through budding?

A   Coral

B   Hydra

C   Sponges

D   Annelido

   Answer: D

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Question 77

Which astronomer was sentenced to house arrest for proposing the heliocentric theory?

A   Nicolas Copernicus

B   Galileo Galilei

C   Johannes Kepler

D   Friedrich Bessel

   Answer: B

Question 78

The 'Father of Indian Space Program' is

A   Dr. A. P. J. Abdul Kalam

B   Dr. Vikram A. Sarabhai

C   Dr. K. Kasturirangan

D   Prof. Satish Dhawan

   Answer: B

Question 79

The filament of a light bulb is made up of

A   Platinum

B   Tantalum

C   Tungsten

D   Antimony

   Answer: C

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Question 80

Who among the following became the first tourist to space by spending $20 million for 8 days in orbit?

A   Greg Olsen

B   Charles Simonyi

C   Dennis Tito

D   Mark Shuttleworth

   Answer: C

Question 81

P bought an article for Rs. 1600 and sold it at a profit of 10%. What would have been the increase in the profit percent if it was sold for Rs. 1840?

A   5%

B   10%

C   12%

D   15%

   Answer: A

Question 82

Who were the first hominids to be categorized as Homo Sapiens?

A   Ergaster Line

B   Cro-magnon

C   Neanderthal

D   Proconsul

   Answer: B

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Question 83

What is $C_{12}H_{22}O_{11}$ also known as:

A   Sand

B   Sugar

C   Salt

D   Clay

   Answer: B

Question 84

Select the correct set of symbols:
27 3 19 10 = 90

A $\times, -, \div$

B $+, \div, -$

C $+, -, \div$

D $\times, +, -$

    Answer: D

Question 85

Simplify: (2/7 + 315) + (2/5 + 2/7)

A   31/24

B   24/31

C   26/25

D   12/13

    Answer: A

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Question 86

Select the correct set of symbols:
44 4 7 5=82

A $\times, -, \div$

B $+, \div, -$

C $+, -, \div$

D $\div, \times, +$

    Answer: D

Question 87

If R019 is divisible by 11, find the value of the smallest natural number R?

A   5

B   6

C   7

D   8

    Answer: D

Question 88

Malini said, "Rohit is my maternal aunt's mother's only son's son". How is Malini related to Rohit?

A   Cousin

B   Mother

C   Sister

D   Daughter

   Answer: A

Question 89

In Tennis, hard court is the type of court whose surface is made of -

A   Concrete

B   Clay

C   Grass

D   Carpet

   Answer: A

Question 90

If '+' means x, '-' means +, `x' means + and '+' means — ; compute the value of the expression: 36 - 4 +7 x 8

A   72

B   71

C   74

D   75

   Answer: B

Question 91

The average of first 20 multiples of 12 is:

A   124

B   120

C   126

D   130

   Answer: C

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Question 92

What is the median of the following list of numbers: 55. 53, 56, 59. 61, 69, and 31?

A   55

B   56

C 59

D 61

Answer: B

Question 93

The sum of digits of a two-digit number is 9. When the digits are reversed, the number decreases by 45. Find the changed number.

A 45

B 72

C 63

D 27

Answer: D

Question 94

If MENTOR = NVAIGLI then PROFESSOR =

A QSPGFTTPS

B KILL-VHHLI

C KSLGVIEMI

D KILGFHHLI

Answer: B

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Question 95

The national song of India was composed by

A Rabindranath Tagore

B Bankim Chandra Chatterjee

C Pydimarri Venkata Subba Rao

D Pingali Venkayya

Answer: B

Question 96

Which of the following is NOT an effect of Noise Pollution?

A Death of Animals

B Tinnitus

C Hypertension

D Ozone Depletion

Answer: D

Question 97

The upstream speed of the boat is 40 km/hr and the speed of the boat in still water is 55 km/hr. What is the downstream speed of the boat?

A 75 km/hr

B 70 km/hr

C 60 km/hr

D 65 km/hr

Answer: B

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Question 98

Choose the pair which is related in the same way as the words in the first pair from the given choices.
TENNIS : COURT :: BOXING :

A STADIUM

B RING

C PITCH

D GROUND

Answer: B

Question 99

Six years ago, the ratio of the ages of the two persons P and Q was 3:2. Four years hence the ratio of their ages will be 8:7. What is P's age?

A 10 years

B 12 years

C 14 years

D 8 years

Answer: B

Question 100

Which of the following popular tourist destinations of India were built in 1911 to commemorate the visit of King George V and Queen Mary?

A India Gate

B Gateway of India

C The Prince of Wales Museum

D Victoria Terminus

Answer: B

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