



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

## RRB NTPC 29th March 2016 Shift 1

Q.1 Find the odd one out: Chicken pox, Rubella, Flu, Meningitis

- A. Chicken pox
- B. Rubella
- C. Flu

**D Meningitis**

Q.2 if  $a = x$ ,  $b = \div$  and  $c = +$ , find the value of  $7a5clb6$

- A. 4
- B. 6**
- C.  $5/3$
- D. 7

3. Din-i-llahi was promoted by

- A. Babur
- B. Bahadur Shah
- C. Akbar**
- D. Humayun

4. At a telephone exchange, three phones ring at intervals of 20 sec, 24 sec and 30 seconds. If they rang together at 11:25 a.m., when will they next ring together?

- A. 11:29 a.m.
- B. 11:27 a.m.**
- C. 11:51 a.m.
- D. 12:29 p.m.

Comprehension:

The below table gives rice production in each year. Read and answer the following questions.

| Year | Production in tons |
|------|--------------------|
| 2005 | 325                |
| 2006 | 438                |
| 2007 | 429                |
| 2008 | 258                |
| 2009 | 495                |

Q.5 What is the increased percentage of production in 2009 compared to year 2005?

- A. 38.1%
- B. 29.2%
- C. 52.3%**
- D. 46.3%

Comprehension:

The below table gives rice production in each year. Read and answer the following questions.

| Year | Production in tons |
|------|--------------------|
| 2005 | 325                |
| 2006 | 438                |
| 2007 | 429                |
| 2008 | 258                |
| 2009 | 495                |

Q.6 What was the average production of rice in the period 2005-2009?

- A. 378
- B. 389**
- C. 399
- D. 412



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The below table gives rice production in each year. Read and answer the following questions.

| Year | Production in tons |
|------|--------------------|
| 2005 | 325                |
| 2006 | 438                |
| 2007 | 429                |
| 2008 | 258                |
| 2009 | 495                |

Q.7 What was the decline in production in year 2008 compared to 2007?

- A. **40%**
- B. 51%
- C. 67%
- D. 45%

Q.8 In which year was RBI nationalized?

- A. 1969
- B. 1947
- C. **1949**
- D. 1974

Q.9 If  $! = \div, \# = +, \wedge = \times$ , then calculate the value of  $32!4\wedge7\#5$

- A. 58
- B. **61**
- C. 64
- D. 55

Q.10 which is the largest fresh water lake in the World?

- A. Lake Victoria
- B. Lake Erie
- C. **Lake Superior**
- D. Lake Ontario

Q.11 Which of the following is the name of a medieval Indian book on mathematics?

- A. Vastushastra
- B. Leelavati**
- C. Panchadashi
- D. Roopmati

Comprehension:

Read the following information and answer the following questions below.

Bindu is standing exactly in the middle of a line of girls.

Asha is 6<sup>th</sup> to the left of Bindu and Ritu is 16<sup>th</sup> to Bindu's right.

Q.12 What is Asha's position in the line?

- A. 22
- B. 12
- C. 18
- D. 11**

Comprehension:

Read the following information and answer the following questions below.

Bindu is standing exactly in the middle of a line of girls.

Asha is 6<sup>th</sup> to the left of Bindu and Ritu is 16<sup>th</sup> to Bindu's right.

Q.13 What should be the minimum number of girls in the line?

- A. 22
- B. 28
- C. 33**
- D. 32

Comprehension:

Read the following information and answer the following questions below.

Bindu is standing exactly in the middle of a line of girls.

Asha is 6<sup>th</sup> to the left of Bindu and Ritu is 16<sup>th</sup> to Bindu's right.

What is Bindu's position in the line?

- A. 11
- B. 14
- C. 16
- D. 17**

Q.15 Which of the following is reared for its fleece/fiber?

- A. Alpaca**



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- B. Alabama
- C. Apache
- D. Alluvial

<sup>016</sup> Fill in the blanks:  $\sin A \quad \_\_\_\_ \times \cos A$

- A.  $\sin A$
- B.  $\tan A$**
- C.  $\cot A$
- D.  $\cos A$

Q-17 From where was Mangalyaan launched?

- A. Chennai
- B. Sriharikota**
- C. Trombay
- D. Gopalpur, on sea

Q-18 What is the technology used in a compact disc?

- A. Electrical
- B. Laser**
- C. Electro magnetic
- D. Aeronautical

Q.19 Where was paper invented?

- A. China**
- B. India
- C. Zambia
- D. Germany

q.20 which revolutionary took his own life?

- A. Khudiram Bose
- B. Rash Behari Bose
- C. Bhagat Singh
- D. Chandrashekhar Azad**

21. Azhar can complete a journey in 10 hours. He travels the first half of the journey at a speed of 21km/hr. and the balance at 24km/hr. Find the total distance in km°

- A. 234
- B. 225
- C. 224**
- D. 232

Q.22 where in the human body can you find the islets of Langerhans?

- A. Small intestine
- B. Pancreas**
- C. Stomach
- D. Heart

Q.23 Pollination by wind is called?

- A. Hydrophily
- B. Pollinophily
- C. Anemophily**
- D. Herbophily

Q.24 Who wrote the National song of India?

- A. Rabindranath Tagore
- B Bankim Chandra Chatterjee**
- C. Mohammed Iqbal
- D Chitragupta

Q<sup>26</sup> Where can you find the Kunchikal waterfalls?

- A. Kerala
- B. Karnataka**
- C. Andhra Pradesh
- D Telangana

Q.27 What is the minimum age for getting elected to the Lok Sabha?

- A. 18
- B. 21
- C. 16
- D. 25**

Q-28 'Queensberry rules' is the code followed in which sport?

- A. Tennis



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- B. Cricket
- C. Boxing**
- D. Equestrian

Q-29 Which of the following is the currency of Thailand?

- A. Rupee
- B. Ringgit
- C. Baht**
- D. Yuan

Q.30 Which is the only organ in the human body that can regrow regenerate?

- A Spleen
- B. Brain
- C. Liver**
- D Pancreas

Q.31 Smita can finish a work in 12 days and Sam can finish the same work in 9 days. After working together for 4 days they both leave the job. What is the fraction of unfinished work?

- A.  $1/2$
- B.  $7/9$
- C.  $2/9$**
- D.  $1/4$

32 A points to B and says to a lady C “His mother is the only daughter of your father . If so, how is C related to B?

- A. Mother**
- B Daughter
- C. Grandmother
- D. Son

Q.33 If x is a prime number, LCM of x and its successive number would be

- A. x
- B. x+1
- C.  $x(x+1)$**
- D.  $x/x+1$

Q.34. 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.

Statements:

- 1) Some kids are clever.
- 2) Some kids are players.

Conclusion:

- I. Some players are clever
- II. Some clever kids are players.

Decide which of the given conclusions logically follow (s) from the given statements

- A Only conclusion I follow-s
- B Only conclusion II follows
- C **Both conclusion I and II follows**
- D. Neither conclusion I nor II follows

Q.35

Find the value of:

$$((0.0112 - 0.0012) \text{ of } 0.14 + 0.25 \times 0.2) / (0.02 \times 0.01)$$

- A. **257**
- B. 25.7
- C. 2.57
- D. 0.0257

Q.36 Which of the following gases are responsible for the greenhouse gas effect on Earth<sup>0</sup>

- A. Water Vapour and Carbon dioxide
  - B. Carbon dioxide and Nitrogen
  - C. Carbon dioxide and Methane
  - D. Ozone and Methane
1. B
  2. D
  3. C
  4. A

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.





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Q.37 If  $\Delta \square = 52$ ,  $\square \# = 43$  what is  $\# \Delta \square$ ?

- Q 37 If  
A. 523  
B. 243  
C. 432  
**D. 354**

Q.38 If  $\frac{1}{4}$ \* of the wall is painted blue,  $\frac{1}{2}$  is painted yellow and remaining 3 m is painted white, what is the length of the wall?

- A.10  
B.8  
C.16  
**D.12**

Q.39 In a certain code language, North=West, South=East, East=North, which direction does the sun rise?

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

Q.40 Who was the last Mughal Emperor?

- A. Babur  
B. Jehangir  
C. Akbar  
**D. Bahadur Shah**

Q.41 Who was the first to score a perfect 10 in Olympics in gymnastics?

- A. Nadia Comaneci**  
B. Daniela Silivas  
C. Alexander Dityatin  
D. Mary Lou Retton

Q.42 Geetha weighs 11.235 kg. Her sister weighs 1.4 times her weight. Find their combined weight?

- A. 15.729 kg.
- B. 25.964 kg.
- C. 26.964 kg**
- D. 26.946 kg

Q.43

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

Statements:

- 1) Because of motor vehicles like cars, pollution has increased manifold
- 2) Respiratory diseases are increasing due to pollution

Conclusions:

- I. If cars were not there pollution would be nil.
- II. Doctors earn a lot due to pollution.

Decide which of the given conclusions logically follow(s) from the given statements.

- A. Either I or II follow
- B. Neither I nor II follow**
- C. Only conclusion I follows
- D. Only conclusion II follows

Q.44. Sita told her friend Gita "I am leaving today and will reach Mumbai tomorrow for my exams starting the day after tomorrow, which is Friday". What day is tomorrow in this conversation?

- A. Wednesday
- B. Thursday**
- C. Tuesday
- D. Saturday

Q.45 A deep crack in a glacier is called

- A. A crevice
- B. A crevasse**
- C. A crack
- D. A cleft



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Q.46 If angles of a quadrilateral are in the ratio 3:5:9:13. find the largest angle?

- A. 165
- B. 180
- C. 156**
- D. 190

Q.47 Headquarters of UNESCO is located at

- A. Moscow
- B. New York
- C. London
- D. Paris**

Q<sup>48</sup> Madhubam painting style is native to which state?

- A. Orissa
- B. Andhra Pradesh
- C. Bihar**
- D. Madhya Pradesh

Q.49 If cost price of 5 cars is equal to selling price of 4 cars. Find the percentage of profit or loss?

- A. 10% Profit
- B. 10% Loss
- C. 25% Profit**
- D. 25% Loss

50 What smallest number should be added to the sum of squares of 15 and 14. so that the resulting number is a perfect square?

- A. 17
- B. 20**
- C. 11
- D. 9

Q.51 'E' is related to 'BH' in the same way as 'N' is related to?

- A. IP
- B. KQ**
- C. LP
- D. KR

Q<sup>52</sup> Find the mean of the first 6 prime numbers?

- A.  $14/3$
- B. 3
- C.  $41/6$**
- D.  $13/2$

Q 53 The perimeter of a triangle is 28cm. If the length is  $5/2$  times its breadth, find the length and breadth of the triangle.

- A. 9 & 5
- B. 10 & 4**
- C. 6 & 7
- D. 11 & 3

Q 54 The sum of two digits of a number is 10. If the digits are interchanged, then its value increases by 18. Find the number.

- A. 46**
- B. 64
- C. 19
- D. 28

Q.55 Which of the following is always present in organic compounds?

- A. Carbon**
- B. Nitrogen
- C. Sulphur
- D. Potassium

Q.56 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.

Statements:

1. Health insurance in India caters only to rich.
2. Health insurance sector should be regulated.

Conclusion

- I. Health insurance sector should be nationalized
- II. Health insurance is not required for the poor.



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Decide which of the given conclusions logically follow(s) from the given statements.

- A. **Neither I nor II follow**
- B Only conclusion I follows
- C. Either I or II follow
- D Only conclusion II follows

Q 57 If  $COW \div CW = 13$ , what might be the value of COW ?

- A. 272
- B. 195**
- C. 323
- D. 387

Q-<sup>58</sup> where is the Island of Seychelles located?

- A. Indian Ocean**
- B. Pacific Ocean
- C. Atlantic Ocean
- D. The Southern Ocean

Q.59 In an equilateral triangle ABC, D, E, F are the mid points of AB, BC and AC respectively. The quadrilateral BEFD is a

- A. Square
- B. Rectangle
- C. Parallelogram**
- D Rhombus

Q.60 where is the headquarters of Interpol located?

- A. Paris
- B. London
- C. Lyon**
- D. Brussels

The ratio between the weights of gold and silver in an alloy is 17:3. If the weight of silver in the alloy is 2.7gm. find the weight of gold in the alloy?

- A. 12.6 gm
- B. 15.3 gm**

- C. 18 gm
- D 21.2 gm

Q.62 which is the largest non-polar desert in the World?

- A. Kalahari
- B. Gobi
- C. Sahara**
- D. Great Australian

Q.63 Which single discount will be equal to two successive discounts of 12% and 5%?

- A. 17%
- B. 8.5%
- C. 16.4%**
- D. 15.2%

Q.64 Jimmy Wales and Larry Sanger are associated with?

- A. Wikipedia**
- B. Google
- C. Whatsapp
- D. Facebook

Q-<sup>65</sup> What comes next in the series?

B, D, H, N?

- A. V**
- B. P
- C. S
- D. W

Q.66 which of the following is called Aurum?

- A. Bronze
- B. Gold**
- C. Silver
- D. Copper

Q 67 CAT : MOUSE as SNAKE:

- A. Reptile
- B. Mongoose**
- C. Hole
- D. Poison



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Q.68 Divide 13,680 in three parts such that 1<sup>st</sup> part is  $\frac{3}{5}$  of the third part and the ratio between 2<sup>nd</sup> and 3<sup>rd</sup> part is 4:7. How much is the first part?

- A. **3780**
- B. 6300
- C. 3600
- D. 4800

Q.69 Punched card is also called

- A. **Hollerith card**
- B. Video card
- C. Sound card
- D. Accelerator card

Q.70 In a camp 180 students had ration for 20 days. How many students should leave the camp if the ration should last for 25 days?

- A. **36**
- B. 24
- C. 28
- D. 40

Q.71 World environment day is observed on

- A. February 28
- B. May 16
- C. **June 05**
- D. September 12

Q.72

Simplify  $\sqrt{50} + \sqrt{18} - \sqrt{8}$

- A.  $8\sqrt{2}$
- B.  $7\sqrt{2}$
- C.  **$6\sqrt{2}$**
- D.  $5\sqrt{2}$

Q.73 If  $1 = 2$ ,  $3 = 6$ ,  $4 = 8$ . and  $+ = -$ , what would be the value of  $41 + 34 + 13 = ?$

- A. -88
- B. 88
- C. 12
- D. **-12**

Q.74 If A's sister's husband is B's mother-in-law's son-in-law, how is A related to

- A. Father
- B. Father-in-law
- C. Brother-in-law
- D. Husband

Q 75 – 77 Read the following information and answer the following questions below.

In a class of 90 students, 80 students like burger or pizza.  
62 like burger and 56 like pizza.

Q 75 How many like neither burger nor pizza?

- A. 10
- B. 28
- C. 16
- D. 14

Q 76 How many like both burger and pizza?

- A. 24
- B. 38
- C. 32
- D. 18

Q 77 How many don't like burger?

- A. 18
- B. 28
- C. 38
- D. 48

Q 78 If SUN=108, MOON=114 what is STAR=?

- A. 120
- B. 116
- C. 122
- D. 128





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Q 79 With which sport is the term 'Tee' connected?

- A. Hockey
- B. Polo
- C. Golf**
- D. Badminton

Q 80 The average age of 27 students of a class is 22. If the age of the teacher is also added to their ages, then the average increases by one. Find the age of the teacher.

- A. 42
- B. 48
- C. 50
- D. 52

81. Who is called the Frontier Gandhi?

- A. Muhammad Ali Jinnah
- B. Mahatma Gandhi
- C. Khan Abdul Ghaffar Khan**
- D. Bal Gangadhar Tilak

Q-82

Simplify  $(81x^2 - 49y^2)/(9x + 7y)$

- A.  $9x+7y$
- B.  $9x-7y$
- C.  $9x$
- D.  $7y$

Q.83 Find the value of  $\sin^2 30 \cos^2 45 + 4 \tan^2 30 + (1/2) \sin^2 90 - 2 \cos^2 90 + 1/24$

- A. 3
- B. 4
- C. 2
- D. 1

Q.84 Which number will fit in '?' place in the following series?

2, 1, 12, 20, 30, 42

- A. 2
- B. 4

C. 6

D. 8

Q.85

Granite is an example of

A. Metamorphic rock

B. Sedimentary' rock

**C. Igneous rock**

D. Artificial stone

Q.86 what did Edward Jenner pioneer?

A. Vaccination

B. Electrocutation

C. Dialysis

D. Open heart surgery

Q.87 The runs scored by two batsmen over 7 matches are given below. Which batsman's average was better?

|           |    |    |    |    |    |    |    |
|-----------|----|----|----|----|----|----|----|
| Batsman 1 | 42 | 51 | 09 | 78 | 63 | 20 | 12 |
| Batsman 2 | 30 | 22 | 91 | 76 | 84 | 11 | 07 |

A Batsman 1 - 39.3

B. Batsman 1 - 45.9

C. Batsman 1 - 43.2

D. Batsman 2 - 45.9

Q 88 Which of the following is a land locked country?

A. Azerbaijan

B. Kazakhstan

C. Pakistan

D. Bangladesh

gg After allowing a discount of 20% on Marked price Kishore makes a profit of 12%. What percentage is the Marked price above the Cost price?

A. 40%

B. 32%

C. 25%

D. 8%

Q-90 Which Indian king used naval power to conquer parts of East Asia?



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- A. Akbar
- B. Krishna deva Raya
- C. Rajendra Chola**
- D. Shivaji

Q.91 which number will fit both the series of numbers?

Series A: 1, 4, 9... Series B: 1, 8, 27...

- A. 42
- B. 36
- C. 64**
- D. 25

Q 92 A certain sum when invested at 5% interest compounded annually for 3 years yields an interest of Rs. 2,522. Find the Principal?

- A. Rs. 12,522
- B. Rs. 15,200
- C. Rs. 16,000**
- D. Rs. 17,200

Q.93 The diagonal of a rhombus is 8m and 6m respectively. Find its area.

- A. 48 sq.m.
- B. 24 sq.m.**
- C. 12 sq.m.
- D. 96 sq.m.

Ram and Rahim standing at a distance of 680m run towards each other at a speed of 8 m sec and 9m sec respectively. After how long will they meet?

- A. 17 sec
- B 24 sec
- C. 40 sec**
- D. 36 sec

Q.95 Simplify:  $(2 \frac{1}{3} - 1 \frac{1}{2})$  of  $\frac{3}{5} + 1 \frac{2}{5} \div 2 \frac{1}{3}$

- A. 1/10
- B. 3/10
- C. 1 1/10**

D. 1

96 If Reena sold 12 mobile phones for Rs. 188,160 which cost Rs. 14,056 per phone, what was the total profit made by her?

- A. Rs. 19,488
- B. Rs. 17,621
- C. Rs. 21,014
- D. Rs. 18,958

Q.97 Which country has won maximum number of World cup titles in football?

- A. Italy
- B. Argentina
- C. Brazil**
- D. France

Q 98 If ALPHA=36, BETA=26. then DELTA=?

- A. 38
- B. 31
- C. 40
- D. 36

Q-99 If 3:27:: 5:?

- A. 25
- B. 125
- C. 250
- D. 625

Q.100 Which is the brightest star in our night sky?

- A. Canopus
- B. Sirius A
- C. Vega
- D. Spica

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