RAILWAY RECRUITMENT BOARDS
रेलवे भर्ती बोर्ड

RRB NTPC Graduate 18th Jan 2017 Shift 2

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	18/01/2017
Test Time:	12:30 PM - 2:00 PM
Subject:	RRB NTPC Graduate

1. Options shown in green color with a tick icon are correct
2. Chosen option on top right of the question indicates the option selected by the candidate

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Q.1 Hard : Stone :: Soft : ?

Ans
✔ 1. Feather
✘ 2. Sand
✘ 3. Shine
✘ 4. Moon

Question ID : 584189230
Status : **Answered**
Chosen Option : **2**

Q.2 Based on the scenario given, choose the decision from the options which would be **most** suitable.
Research shows that playing outdoors improves the overall health of kids. Nowadays kids do not find time to play outdoors.

Parents should ____

दिए गए परिदृश्य के आधार पर विकल्पों में से वह निर्णय चुनें जो सर्वाधिक उपयुक्त हो।

शोध से पता चलता है कि बाहर खेलने से बच्चों के समग्र स्वास्थ्य में सुधार होता है। आजकल बच्चों को बाहर खेलने के लिए समय नहीं मिल रहा है।

माता-पिता को चाहिए कि ___

Ans
✘ 1.
encourage indoor games.
वे घर के भीतर खेले जाने वाले खेलों के लिए बच्चों को प्रोत्साहित करें।

✘ 2.
not send the kids to school.
वे बच्चों को स्कूल न भेजें।

✔ 3.
make playing outdoors compulsory.
वे बाहर खेलना अनिवार्य बनाएँ।

✘ 4.
re-schedule their office hours so they get more time to play with the kids.
वे अपने कार्यालय समय को पुनर्योजित करें ताकि वे बच्चों के साथ खेलने के लिए अधिक समय निकाल सकें।

Question ID : 584189245
Status : **Answered**
Chosen Option : **3**

Q.3 Which among the following converts chemical energy to electrical energy?

Ans
✘ 1. Generator
✘ 2. Dynamo

Question ID : 584189146
Status : **Answered**
Chosen Option : **4**

✗ 3. Motor

✓ 4. Battery

Q.4 Which of the following pollutants in water causes '*Minamata*' disease?

निम्न में से कौन-से जल प्रदूषक 'मिनामाटा' रोग के कारक होते हैं?

Ans ✗ 1. Lead

लेड

✗ 2. Salmonella

साल्मोनेला

✓ 3. Methyl Mercury

मिथाइल मर्करी

✗ 4. Perchlorate

परक्लोरेट

Q.5 If 'P' is the amount invested at 5% p.a compounded half yearly for 2 years, what would be the amount received at the end of 2 years?

Ans ✗ 1. $P(1.05)^2$

✓ 2. $P(1.025)^4$

✗ 3. $P(1.1)$

✗ 4. $P(1.025)^2$

Q.6 What is the minimum age qualification to become Chief Minister of any State in India?

Ans ✗ 1. 28

✓ 2. 25

✗ 3. 24

✗ 4. 21

Q.7 Jeeva purchased an article for Rs.2500 and sold it at 25% above cost and paid a tax of Rs.125. Find the post-tax profit in rupees.

Ans ✗ 1. 475

✗ 2. 625

✗ 3. 550

✓ 4. 500

Q.8 Which of the following received the World heritage tag by UNESCO in 2016?

Ans ✗ 1. Chhatrapati Shivaji Terminus,Mumbai

✗ 2. Mountain Railways of India

✓ 3. Khangchendzonga National Park

✗ 4. Western Ghats

Q.9 In a class of 60 students, 60% are boys. If 25% of the girls come to school by bicycle, find the number of girls who don't come cycling to school?

Ans ✗ 1. 27

✓ 2. 18

✗ 3. 36

✗ 4. 24

Q.10 From when is the proposed merger of our Railway budget with the General budget supposed to take place?

Ans ✗ 1. 2016-17

✓ 2. 2017-18

✗ 3. Not approved yet

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✗ 4. 2018-19

Q.11 Simplify: $(a^{-1} + b^{-1}) \div (a^{-2} - b^{-2})$

Ans ✗ 1. $\dfrac{ab}{a-b}$

✔ 2. $\dfrac{ab}{b-a}$

✗ 3. $\dfrac{a}{b}$

✗ 4. $\dfrac{a+b}{ab}$

Question ID : 584189194

Status : **Answered**

Chosen Option : **2**

Q.12 Select the correct combination of mathematical signs from the options given to replace # signs and get a balanced equation.
24 # 8 # 4 # 10 # 2

Ans ✗ 1. + = + −

✔ 2. = × − +

✗ 3. + × = +

✗ 4. − ÷ + =

Question ID : 584189229

Status : **Answered**

Chosen Option : **2**

Q.13 A milkman purchases 25 litres of milk from a dairy for Rs.800 and sells it at the rate of 33.50 per litre. What is the profit or loss %? (rounded off)

Ans ✗ 1. Loss 4.8%

✗ 2. Loss 5.1%

✗ 3. Profit 5.3%

✔ 4. Profit 4.7%

Question ID : 584189202

Status : **Answered**

Chosen Option : **4**

Q.14 At 2'O clock, the hands of a clock make an acute angle and a reflex angle. How much is the reflex angle (in degrees)?

Ans ✗ 1. 225°

✔ 2. 300°

✗ 3. 180°

✗ 4. 275°

Question ID : 584189196

Status : **Answered**

Chosen Option : **2**

Q.15 A question and three statements labeled (I), (II) and (III) are given. You have to decide which statement(s) is/are sufficient to answer the question.

How far is Sasa's school?
- I. Sasa is a girl studying in standard 9.
- II. Sasa's mother drops her first at school and reaches her office which is 10 kms away.
- III. Sasa takes 15 minutes travelling by bus and 30 minutes by cycle.

Ans ✗ 1. I and II together are sufficient.

✗ 2. I, II and III are sufficient.

✔ 3. Data insufficient.

✗ 4. II and III together are sufficient.

Question ID : 584189243

Status : **Answered**

Chosen Option : **3**

Q.16 Find the difference between the smallest number of five digits and greatest number of four digits?

Ans ✗ 1. 2

✗ 2. 3

✗ 3. 0

✔ 4. 1

Question ID : 584189178

Status : **Answered**

Chosen Option : **4**

Q.17

Question ID : 584189167

Ans Who was called the 'Lady with a lamp'?

एनी बेसेंट नाम से किसे जाना जाता है?

✗ 1. Annie Besant
एनी बेसेंट

✗ 2. Sarojini Naidu
सरोजिनी नायडू

✗ 3. Madame Cama
मैडम कामा

✓ 4. Florence Nightingale
फ्लोरेंस नाइटिंगेल

Status : **Answered**

Chosen Option : **4**

Q.18 In how many cities did Maharaja Jai Singh II build Jantar Mantar?

Ans
✓ 1. Five
✗ 2. Two
✗ 3. Three
✗ 4. One

Question ID : **584189143**

Status : **Not Attempted**

Chosen Option : **--**

Q.19 A bank pays simple interest at 4% per annum on the first Rs.5500 and an interest of 6% for amounts above that. Find the interest earned by Sameera if she deposits Rs.13,250 with the bank for 2 years.

Ans
✗ 1. 1325
✗ 2. 1280
✓ 3. 1370
✗ 4. 840

Question ID : **584189188**

Status : **Answered**

Chosen Option : **3**

Q.20 How many chambers are present in the heart of a fish?

Ans
✓ 1. Two
✗ 2. Three
✗ 3. Four
✗ 4. One

Question ID : **584189149**

Status : **Answered**

Chosen Option : **1**

Q.21 In a certain code if AKBAR is written as CMDCT, how will JODHA be written?

Ans
✓ 1. LQFJC
✗ 2. LMGJX
✗ 3. WBQUN
✗ 4. HMBFX

Question ID : **584189220**

Status : **Answered**

Chosen Option : **1**

Q.22 Solve:

$$\frac{1.13+5.884}{2.004} =$$

Ans
✓ 1. 3.50
✗ 2. 2.95
✗ 3. 3.44
✗ 4. 3.05

Question ID : **584189177**

Status : **Answered**

Chosen Option : **1**

Q.23 Four bells ring at 16, 24, 36, 42 minute intervals. If they ring together at 6.00 a.m., after how long would they next ring together?

Ans
✗ 1. 886 minutes
✓ 2. 1008 minutes
✗ 3. 842 minutes
✗ 4. 964 minutes

Question ID : **584189180**

Status : **Answered**

Chosen Option : **2**

Q.24

Question ID : **584189244**

A question and three statements labeled (I), (II) and (III) are given. You have to decide which statement(s) is/are sufficient to answer the question.

What is Surya's age?
  I.   Surya and his sister are the only children in Ramesh's home.
  II.   Surya's sister is elder to him by 5 years.

Ans ✗ I1. II alone is sufficient d 15 this year.

  ✗ 2. Given data is insufficient.

  ✔ 3. II and III are sufficient.

  ✗ 4. I, II, III together are needed.

Q.25 Which among the below set of colours are generally known as the primary colours of light?

Ans ✔ 1. Red, Green, Blue

  ✗ 2. White, Yellow, Blue

  ✗ 3. Red, Green, Black

  ✗ 4. Black, White, Red

Q.26 Where is the National Geophysical Research Institute located?

राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान कहाँ स्थित है?

Ans ✗ 1. Jaipur
       जयपुर

  ✗ 2. Jamshedpur
       जमशेदपुर

  ✗ 3. Mumbai
       मुंबई

  ✔ 4. Hyderabad
       हैदराबाद

Q.27 Who patented the three-position traffic signal in 1923?

Ans ✗ 1. George Eastman

  ✔ 2. Garrett Morgan

  ✗ 3. Robert Adler

  ✗ 4. J.P.Knight

Q.28 If a dozen apples weigh 1.8 kg in total, how many apples will be there in 3 boxes weighing 23.250 kg each?

Ans ✔ 1. 465

  ✗ 2. 280

  ✗ 3. 215

  ✗ 4. 155

Q.29 In which year was Goa given the option of merging with the state of Maharashtra?

Ans ✗ 1. 1958

  ✗ 2. 1959

  ✗ 3. 1963

  ✔ 4. 1967

Comprehension:

In a class of 55 students, 40 like Science and 29 like Mathematics. If each student likes at least one subject, answer the following questions.

SubQuestion No : 30

Q.3

0 How many like only Science?

Ans   ✗ 1. 15

    ✗ 2. 29

    ✗ 3. 19

    ✓ 4. 26

Comprehension:

In a class of 55 students, 40 like Science and 29 like Mathematics. If each student likes at least one subject, answer the following questions.

SubQuestion No : 31

Q.3
1   How many like both Science and Mathematics?

Ans   ✗ 1. 13

    ✗ 2. 15

    ✗ 3. 12

    ✓ 4. 14

Q.32 The heights of 240 students of a school is tabulated below:

Height (cm)	<100	<110	<120	<130	<140	<150
No. of Students	12	30	65	180	218	240

How many students are of the height <130cms, but >100cms?

Ans   ✗ 1. 180

    ✗ 2. 150

    ✗ 3. 192

    ✓ 4. 168

Q.33 If 2 is denoted by '[', 4 is denoted by '=', 9 is denoted by '-' and 0 is denoted by '+' , what is '=[-+' ?

Ans   ✗ 1. 4209

    ✗ 2. 9204

    ✗ 3. 4092

    ✓ 4. 4290

Q.34 Who has the authority to decide in the event of dispute in election of the President of India?

Ans   ✓ 1. Supreme Court

    ✗ 2. Prime Minister

    ✗ 3. Election Commissioner

    ✗ 4. Lok Sabha

Q.35 If '*' represents 12, '@' represents 48, '$' represents 24, and '!' represents 6, then what mathematical equation below will be equal to 90?

Ans   ✗ 1. *÷!+$×@

    ✓ 2. $÷*×@-!

    ✗ 3. $×@-!×*

    ✗ 4. *+$÷@-!

Q.36 Which is the longest railway tunnel in India?

Ans   ✗ 1. Karbude Tunnel

    ✓ 2. Pir Panjal Tunnel

✗ 3. Natuwadi Tunnel

✗ 4. Berdewadi Tunnel

Comprehension:

Study the given data and answer the questions that follow:

CULTIVATED AREA (in lakh hectares)

State	2011	2012	2013
Punjab	220	256	264
Haryana	120	108	151
Uttar Pradesh	100	143	128
Madhya Pradesh	40	85	90
Maharashtra	80	150	175
Rajasthan	30	26	24

SubQuestion No : 37

Q.37 How much more was the cultivated land in Uttar Pradesh compared to Rajasthan in 2012 (in lakh hectares)?

Ans ✗ 1. 58

✔ 2. 117

✗ 3. 35

✗ 4. 113

Question ID : **584189226**

Status : **Answered**

Chosen Option : **2**

Comprehension:

Study the given data and answer the questions that follow:

CULTIVATED AREA (in lakh hectares)

State	2011	2012	2013
Punjab	220	256	264
Haryana	120	108	151
Uttar Pradesh	100	143	128
Madhya Pradesh	40	85	90
Maharashtra	80	150	175
Rajasthan	30	26	24

SubQuestion No : 38

Q.38 What is the difference in total cultivated land in all the 3 years put together between Maharashtra and Madhya Pradesh (in lakh hectares)?

Ans ✗ 1. 34

✔ 2. 190

✗ 3. 135

✗ 4. 174

Question ID : **584189227**

Status : **Answered**

Chosen Option : **2**

Comprehension:

Study the given data and answer the questions that follow:

CULTIVATED AREA (in lakh hectares)

State	2011	2012	2013
Punjab	220	256	264
Haryana	120	108	151
Uttar Pradesh	100	143	128
Madhya Pradesh	40	85	90
Maharashtra	80	150	175
Rajasthan	30	26	24

SubQuestion No : 39

Q.39 What was the percentage increase of land under cultivation in Punjab in the year 2013 as against 2011?

Ans ✗ 1. 22.33

Question ID : **584189225**

Status : **Answered**

Chosen Option : **3**

✗ 2. 16.36

✔ 3. 20

✗ 4.

Q.40
Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **584189171**
Status : **Answered**
Chosen Option : **2**

Q.41
Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **584189152**
Status : **Answered**
Chosen Option : **3**

Q.42
Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **584189147**
Status : **Answered**
Chosen Option : **1**

Q.43
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **584189135**
Status : **Answered**
Chosen Option : **4**

Q.44
Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **584189215**
Status : **Answered**
Chosen Option : **1**

Q.45
Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **584189195**
Status : **Answered**
Chosen Option : **3**

Q.46
Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **584189134**
Status : **Answered**
Chosen Option : **1**

Q.47
Ans

✗ 1.

✗ 2.

✗ 3.

Question ID : **584189234**
Status : **Answered**
Chosen Option : **4**

✔ 4.

Q.48
Ans
✔ 1.
✘ 2.
✘ 3.
✘ 4.

Question ID : **584189200**
Status : **Answered**
Chosen Option : **4**

Q.49
Ans
✘ 1.
✔ 2.
✘ 3.
✘ 4.

Question ID : **584189208**
Status : **Answered**
Chosen Option : **2**

Q.50
Ans
✘ 1.
✘ 2.
✔ 3.
✘ 4.

Question ID : **584189154**
Status : **Answered**
Chosen Option : **1**

Q.51
Ans
✘ 1.
✘ 2.
✘ 3.
✔ 4.

Question ID : **584189150**
Status : **Answered**
Chosen Option : **4**

Q.52
Ans
✔ 1.
✘ 2.
✘ 3.
✘ 4.

Question ID : **584189209**
Status : **Answered**
Chosen Option : **1**

Q.53
Ans
✘ 1.
✔ 2.
✘ 3.
✘ 4.

Question ID : **584189132**
Status : **Answered**
Chosen Option : **2**

Q.54
Ans
✘ 1.
✘ 2.
✘ 3.
✔ 4.

Question ID : **584189169**
Status : **Answered**
Chosen Option : **4**

Q.55
Ans
✘ 1.
✔ 2.
✘ 3.
✘ 4.

Question ID : **584189240**
Status : **Answered**
Chosen Option : **2**

Q.56

Ans
✔ 1.
✖ 2.
✖ 3.
✖ 4.

Question ID : **584189235**
Status : **Answered**
Chosen Option : **1**

Q.57
Ans
✖ 1.
✖ 2.
✖ 3.
✔ 4.

Question ID : **584189174**
Status : **Answered**
Chosen Option : **4**

Q.58
Ans
✔ 1.
✖ 2.
✖ 3.
✖ 4.

Question ID : **584189223**
Status : **Answered**
Chosen Option : **1**

Q.59
Ans
✖ 1.
✔ 2.
✖ 3.
✖ 4.

Question ID : **584189130**
Status : **Answered**
Chosen Option : **1**

Q.60
Ans
✖ 1.
✖ 2.
✔ 3.
✖ 4.

Question ID : **584189127**
Status : **Answered**
Chosen Option : **3**

Q.61
Ans
✖ 1.
✔ 2.
✖ 3.
✖ 4.

Question ID : **584189148**
Status : **Answered**
Chosen Option : **2**

Q.62
Ans
✖ 1.
✔ 2.
✖ 3.
✖ 4.

Question ID : **584189158**
Status : **Answered**
Chosen Option : **2**

Q.63
Ans
✖ 1.
✔ 2.
✖ 3.
✖ 4.

Question ID : **584189183**
Status : **Answered**
Chosen Option : **2**

Q.64
Ans
✖ 1.
✖ 2.

Question ID : **584189160**
Status : **Answered**
Chosen Option : **4**

✗ 3.

✔ 4.

Q.65
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **584189198**

Status : **Answered**

Chosen Option : **4**

Q.66
Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **584189157**

Status : **Answered**

Chosen Option : **3**

Q.67
Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **584189216**

Status : **Answered**

Chosen Option : **3**

Q.68
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **584189162**

Status : **Answered**

Chosen Option : **4**

Q.69
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **584189222**

Status : **Answered**

Chosen Option : **4**

Q.70
Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **584189182**

Status : **Answered**

Chosen Option : **3**

Q.71
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **584189141**

Status : **Not Attempted and Mark ed For Review**

Chosen Option : **--**

Q.72
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **584189197**

Status : **Answered**

Chosen Option : **4**

Q.73
Ans

✗ 1.
✓ 2.
✗ 3.
✗ 4.

Question ID : **584189179**
Status : **Answered**
Chosen Option : **2**

Q.74
Ans

✗ 1.
✓ 2.
✗ 3.
✗ 4.

Question ID : **584189136**
Status : **Answered**
Chosen Option : **2**

Q.75
Ans

✗ 1.
✓ 2.
✗ 3.
✗ 4.

Question ID : **584189166**
Status : **Answered**
Chosen Option : **2**

Q.76
Ans

✗ 1.
✗ 2.
✗ 3.
✓ 4.

Question ID : **584189137**
Status : **Marked For Review**
Chosen Option : **3**

Q.77
Ans

✓ 1.
✗ 2.
✗ 3.
✗ 4.

Question ID : **584189228**
Status : **Answered**
Chosen Option : **3**

Q.78
Ans

✗ 1.
✗ 2.
✗ 3.
✓ 4.

Question ID : **584189217**
Status : **Answered**
Chosen Option : **4**

Q.79
Ans

✓ 1.
✗ 2.
✗ 3.
✗ 4.

Question ID : **584189156**
Status : **Marked For Review**
Chosen Option : **2**

Q.80
Ans

✗ 1.
✗ 2.
✓ 3.
✗ 4.

Question ID : **584189131**
Status : **Not Attempted and Mark ed For Review**
Chosen Option : **--**

Q.81
Ans

✗ 1.

Question ID : **584189142**
Status : **Marked For Review**

✗ 2.		Chosen Option : **4**
✗ 3.		
✓ 4.		

Q.82
Ans

✓ 1.
✗ 2.
✗ 3.
✗ 4.

Question ID : **584189212**
Status : **Answered**
Chosen Option : **1**

Q.83
Ans

✗ 1.
✗ 2.
✓ 3.
✗ 4.

Question ID : **584189221**
Status : **Answered**
Chosen Option : **3**

Q.84
Ans

✗ 1.
✗ 2.
✗ 3.
✓ 4.

Question ID : **584189204**
Status : **Answered**
Chosen Option : **4**

Q.85
Ans

✗ 1.
✗ 2.
✓ 3.
✗ 4.

Question ID : **584189193**
Status : **Answered**
Chosen Option : **3**

Q.86
Ans

✗ 1.
✓ 2.
✗ 3.
✗ 4.

Question ID : **584189151**
Status : **Answered**
Chosen Option : **2**

Q.87
Ans

✗ 1.
✓ 2.
✗ 3.
✗ 4.

Question ID : **584189213**
Status : **Answered**
Chosen Option : **2**

Q.88
Ans

✗ 1.
✗ 2.
✗ 3.
✓ 4.

Question ID : **584189168**
Status : **Answered**
Chosen Option : **1**

Q.89
Ans

✗ 1.
✗ 2.
✓ 3.

Question ID : **584189139**
Status : **Not Attempted and Mark ed For Review**
Chosen Option : **--**

✗ 4.

Q.90		
Ans	✔ 1.	Question ID : **584189187**
	✗ 2.	Status : **Answered**
	✗ 3.	Chosen Option : **1**
	✗ 4.	

Q.91		
Ans	✗ 1.	Question ID : **584189124**
	✗ 2.	Status : **Not Attempted and Mark ed For Review**
	✔ 3.	Chosen Option : --
	✗ 4.	

Q.92		
Ans	✗ 1.	Question ID : **584189185**
	✗ 2.	Status : **Answered**
	✗ 3.	Chosen Option : **4**
	✔ 4.	

Q.93		
Ans	✗ 1.	Question ID : **584189184**
	✗ 2.	Status : **Answered**
	✗ 3.	Chosen Option : **4**
	✔ 4.	

Q.94		
Ans	✗ 1.	Question ID : **584189181**
	✗ 2.	Status : **Answered**
	✔ 3.	Chosen Option : **3**
	✗ 4.	

Q.95		
Ans	✔ 1.	Question ID : **584189140**
	✗ 2.	Status : **Not Attempted and Mark ed For Review**
	✗ 3.	Chosen Option : --
	✗ 4.	

Q.96		
Ans	✗ 1.	Question ID : **584189126**
	✗ 2.	Status : **Not Attempted and Mark ed For Review**
	✗ 3.	Chosen Option : --
	✔ 4.	

Q.97		
Ans	✗ 1.	Question ID : **584189201**
	✔ 2.	Status : **Answered**
	✗ 3.	Chosen Option : **2**
	✗ 4.	

Q.98		