

# RAILWAY RECRUITMENT BOARDS रेलवे भर्ती बोर्ड

## RRB NTPC 16th April 2016 Shift 3

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	16/04/2016
Test Time:	4:00 PM - 5:30 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

### Q.1 Who founded Twitter?

- A. Mark Zuckerberg
- B. Tim Cook
- C. Noah Ark
- D. Evan Williams

Ans

X 1. B



**√** 3. D

X 4. A

Q.2 An Assertion (A) and a Reason (R) are given below.

Assertion (A): In India, females have higher life expectancy than the males.

Reason (R): Females receive a better diet.

### Choose the correct option.

- A. A is true but R is false.
- B. A is false but R is true.
- C. Both A and R are true
- D. Both A and R are false.

Ans

₩ 1. A

X 2. D

X 3. B

X 4. C

Q.3 Vikash purchased 5 bananas for Rs. 4 and sold 4 bananas for Rs. 5. Calculate his % profit?

A. 55.56%

B. 53.25%

C. 45.50%

D. 56.25%

Ans

N 117

2. D

**X** 3 0

X 4. B

Chosen Option: 2

Q.4

Question ID : 2055232785 Status : Answered

Question ID: 2055232848

Status: Answered

1/22

Question ID : 2055232813

Status: Answered

Question ID: 2055232882

Chosen Option: 4

Status: Answered

Chosen Option : 3

Chosen Option: 1 Which State in India has the highest forest cover? A. Kerala B. Madhya Pradesh C. Maharashtra D. Bihar Ans **1.** B X 2. C X 3. A X 4. D Q.5 Based on the analogy given, find the missing word from the given options. Question ID: 2055232865 Butter: Milk:: Book: ----Status: Answered A. Author Chosen Option: 4 B. Paper C. Chapter D. Printing Ans X 1. A 🆊 4. B Q.6 ----- is a unit of length, roughly the distance from Earth to the Sun. Question ID: 2055232818 A. Light years Status: Answered B. Astronomical unit Chosen Option: 1 C. Kelvin D. Joule Ans X 1. A 🗙 2. D 3. B X 4. C Q.7 What is the name of the process where gas is directly converted to solids called? Question ID: 2055232804 A. Sublimation Status: Answered B. Deposition Chosen Option: 1 C. Condensation D. Evaporation Ans X 3. A Q.8 In which city is the newly proposed AIIMS to be setup in Maharashtra? Question ID: 2055232781 A. Nagpur Status: Answered B. Mumbai Chosen Option: 2 C. Aurangabad D. Pune Ans 🗙 1. D Q.9 Question ID: 2055232807

Status: Answered Which vaccine is primarily used against tuberculosis? Chosen Option: 4 A. BCG B. DPT C. HiB D. Varicella Ans X 1. D 🗙 3. C Q.10 Based on the analogy given, find the missing pair from the given options. Question ID: 2055232863 5:35::----: Status: Answered A. 11:55 Chosen Option: 4 B. 7:77 C. 3:24 D. 9:45 Ans 🗙 1. D X 4. A Q.11 निम्नलिखित कथनों पर विचार कीजिए और सही विकल्प का चयन करें: Question ID: 2055232841 1. दिये गये 2 बिंदुओं से कम से कम 3 सीधी रेखाएँ खींचना संभव है। 2. यदि एक कोण की भुजाएं क्रमशः दूसरे कोण की भुजाओं के समानांतर है तो दोनों कोण न तो बराबर होते हैं और न ही Status: Answered अनुपूरक। Chosen Option: 3 A. 1 और 2 दोनों सही नहीं हैं। B. 1 और 2 दोनों सही हैं। C. 1 गलत है और 2 सही है। D. 1 सही है और 2 गलत है| Ans X 1. C X 4. D Q.12 An Assertion (A) and a Reason (R) are given below. Question ID: 2055232883 Assertion (A): Simla is colder than Delhi. Status: Answered Chosen Option:3 Reason (R): Simla is at a higher altitude as compared to Delhi. Choose the correct option. A. A is true but R is false. B. A is false but R is true. C. Both A and R are true and R is the correct explanation of A. D. Both A and R are true but R is not the correct explanation of A. Ans X 1. B X 2. A 🗙 4. D Comprehension: Study the following information carefully and answer the questions given below it. There are six persons in a family - three males and three females. Out of these, there are two married couples and two

persons who are unmarried. Each one of them likes different colour, viz. Blue, Red, Pink, Green, Yellow and White.

does not use White Colour.

Seema, who likes Red colour, is Anitha's mother-in-law and Anitha is Raja's wife. Dinesh is Rohan's father and he does not like the blue colour or White colour. Bavya likes the Yellow colour and is Rohan's sister, who likes Pink colour, Raja

1.1

3/22

SubQuestion No: 13 Q.1 Which of the following is one of the married couples? Question ID: 2055232867 Status: Answered A. Rohan - Bavya Chosen Option: 4 B. Dinesh – Bavya C. Dinesh - Seema D. Rohan - Seema Ans **1.** C X 2. D X 3. B X 4. A Comprehension: Study the following information carefully and answer the questions given below it. There are six persons in a family – three males and three females. Out of these, there are two married couples and two persons who are unmarried. Each one of them likes different colour, viz. Blue, Red, Pink, Green, Yellow and White. Seema, who likes Red colour, is Anitha's mother-in-law and Anitha is Raja's wife. Dinesh is Rohan's father and he does not like the blue colour or White colour. Bavya likes the Yellow colour and is Rohan's sister, who likes Pink colour, Raja does not use White Colour. SubQuestion No: 14

Q1 Which of the following colours is liked by Anitha?

- A. White
- B. Yellow
- C. Pink
- D. Green

Ans X 1. C



X 4. B

Comprehension:

Study the following information carefully and answer the questions given below it.

There are six persons in a family – three males and three females. Out of these, there are two married couples and two persons who are unmarried. Each one of them likes different colour, viz. Blue, Red, Pink, Green, Yellow and White.

Seema, who likes Red colour, is Anitha's mother-in-law and Anitha is Raja's wife. Dinesh is Rohan's father and he does not like the blue colour or White colour. Bavya likes the Yellow colour and is Rohan's sister, who likes Pink colour, Raja does not use White Colour.

SubQuestion No: 15

Q.1 How is Rohan related to Seema?

A. Brother

B. Son

C. Father

D. None of these

Ans



X 4. A

Question ID: 2055232869 Status: Answered

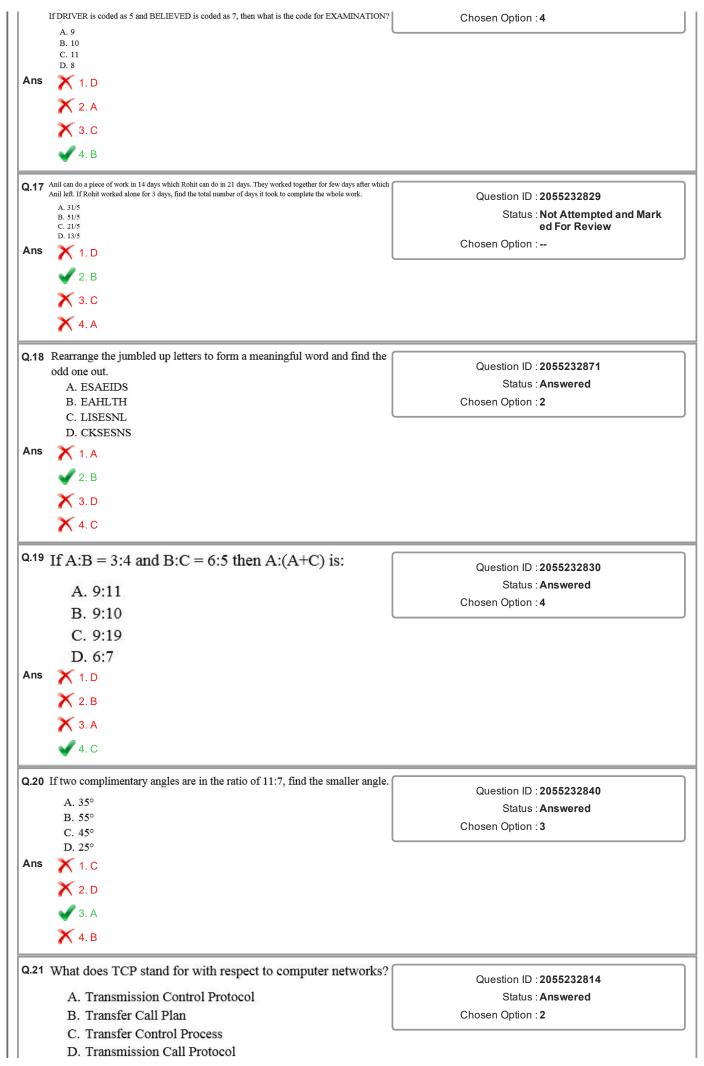
Question ID: 2055232868 Status: Answered

Chosen Option: 3

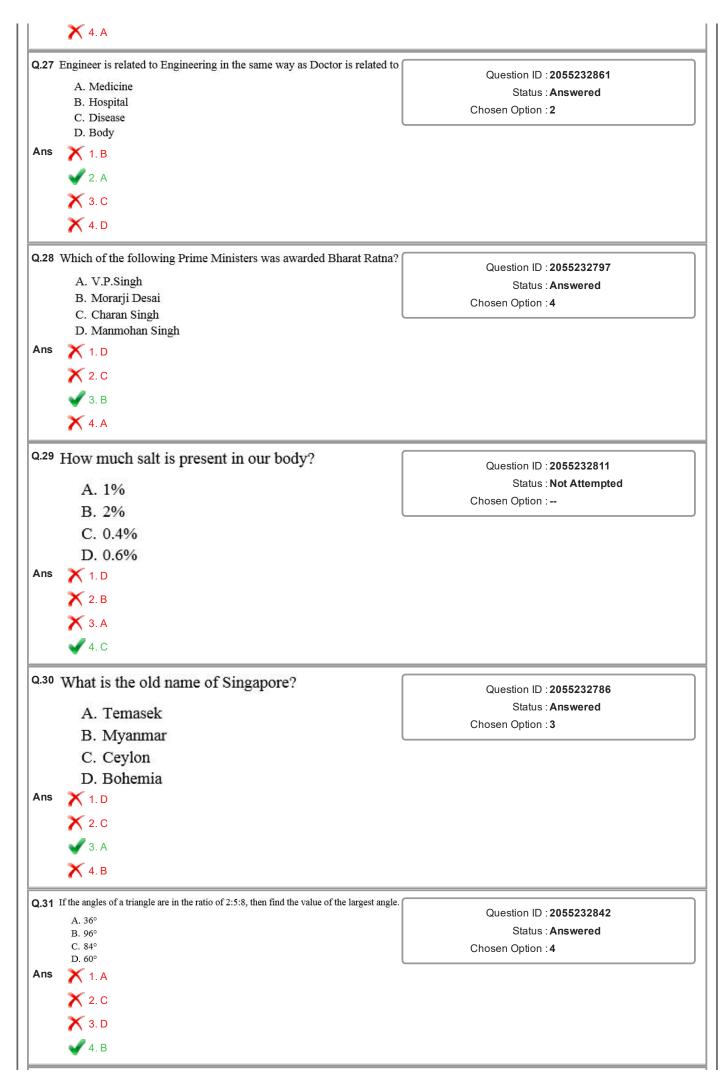
Chosen Option: 2

Q.16

Question ID: 2055232851 Status: Answered



Q.22 30 litres of salt solution contains 5% salt. How many litres of water must be added so as to get a resultant solution Question ID: 2055232831 A. 20 litres Status: Answered C. 30 litres D. 35 litres Chosen Option:4 Ans X 1. B Q.23 If DIJOB means CHINA, then the last letter of the word got by decoding KBQBO is Question ID: 2055232854 Status: Answered B. A C. M Chosen Option: 4 D. N Ans X 1. A Q.24 Below are given statements followed by two conclusions I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Question ID: 2055232870 Statements: All birds are tall. Some tall are peacocks. Status: Answered Conclusions: I. Some birds are peacocks. Chosen Option: 2 II. Some peacocks are tall. Decide which of the below options logically follows the given Statement. A. Both conclusions I and II follows B. Neither conclusion I nor II follows C. Only conclusion I follows D. Only conclusion II follows Ans X 1. B X 4. A Q.25 If the length of the shadow of a vertical pole on the horizontal ground is  $\sqrt{3}$  times its height, then the angle of elevation Question ID: 2055232833 A. 40° Status: Answered C. 30° D. 45° Chosen Option: 1 Ans Q.26 On which river is the city Madurai situated? Question ID: 2055232784 Status: Not Attempted A. Cooum Chosen Option: --B. Kaveri C. Vaigai D. Pennar Ans

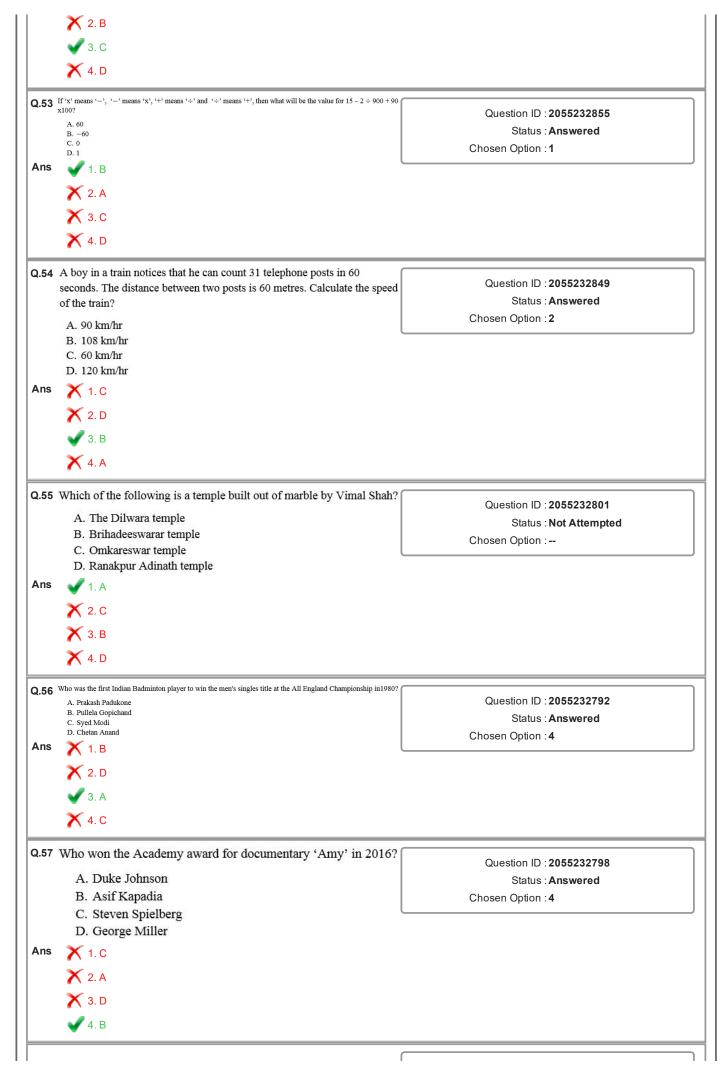


Q.32 What is the name of the moon of Pluto? Question ID: 2055232817 Status: Answered A. Charon Chosen Option: 4 B. Ganymede C. Luna D. Triton Ans X 1. C **X** 3. D X 4. B Q.33 If GOAT can be written as KSEX, then WOLF can be written as -----Question ID: 2055232853 A. APJS Status: Answered B. AJSP Chosen Option: 4 C. ASPJ D. ASSJ Ans X 1. B X 2. D 4. C Q.34 Find the unit digit in the given product (4211)<sup>102</sup> x (361)<sup>52</sup> Question ID: 2055232837 Status: Answered A. 3 Chosen Option: 3 B. 1 C. 4 D. 7 Ans X 1. A X 4. C Q.35 The traffic lights at four different road crossings change after every 15sec, 18sec, 27sec and 30 sec respectively. If they all change simultaneously at 6:10:00 hours, then at what time will they again change simultaneously? Question ID: 2055232825 A. 6:14:30 hours Status: Answered B. 6:40:00 hours C. 6:14:00 hours D. 10:40:00 hours Chosen Option: 3 Ans 🗙 1. B X 4. C Q.36 The mean of a distribution is 21 and the standard deviation is 7. What is the value of the coefficient variation? Question ID: 2055232843 B. 66.66% Status: Answered C. 33.33% D. 100% Chosen Option: 3 Ans X 1. A 3. C X 4. B Q.37 Question ID: 2055232791 Status: Not Attempted Chosen Option: --

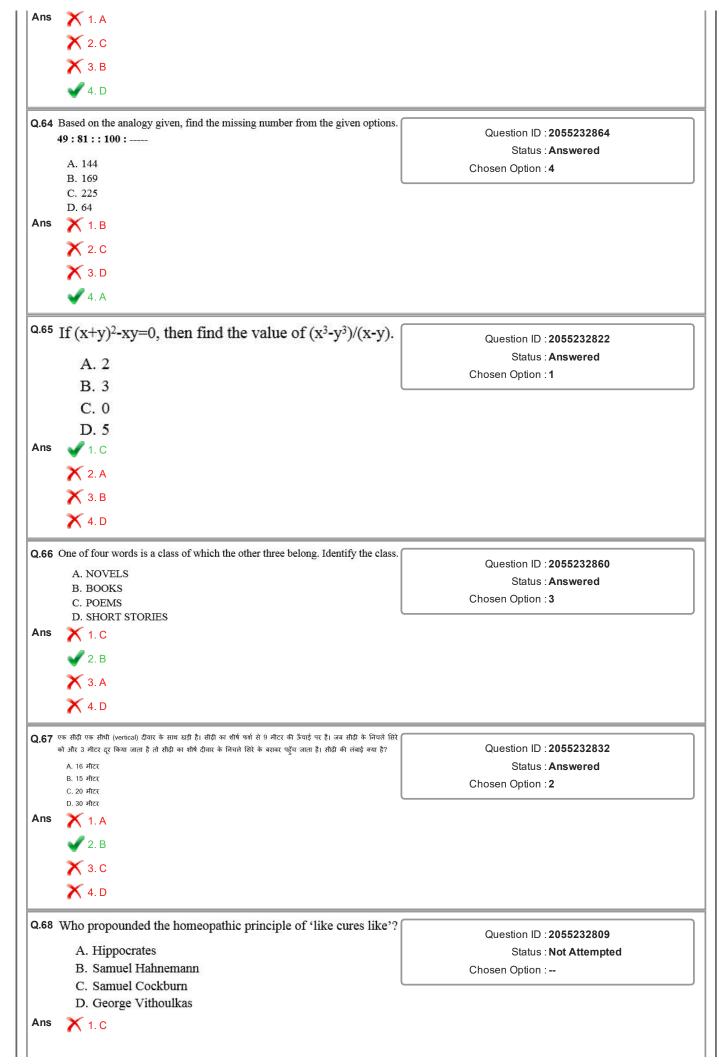
	Michael Schumacher, a racing driver belongs to which country?	
	A. USA	
	B. Germany	
	C. Canada	
	D. Australia	
Ans	<b>√</b> 1. B	
	<b>X</b> 2. A	
	<b>X</b> 3. C	
	<b>X</b> 4. D	
Q.38	Choose the one which is odd from the following options:	Question ID : 2055232862
	A. Rupee	Status : Answered
	B. Lira	Chosen Option : 2
	C. Coin	
	D. Dinar	
Ans	X 1.B	
	<b>✓</b> 2. C	
	<b>X</b> 3. A	
	<b>X</b> 4. D	
Q.39	What was the element used in traditional thermometers which is highly toxic in nature?	Question ID : 2055232794
	A. Carbon	Status : Answered
	B. Mercury C. Arsenic	Chosen Option : 3
	D. Cadmium	
Ans	<b>X</b> 1. D	
	<b>X</b> 2. A	
	<b>√</b> 3. B	
	<b>X</b> 4. €	
	4.0	
Q.40	Which of the following was built by the ancient Incas?	
	2000 50 20 2002 - 2002 00	Question ID : 2055232800
	A. City of Petra	Status : Not Attempted
	B. Hagia Sophia	Chosen Option :
	C. Machu Picchu	
	D. Acropolis	
Ans	<b>√</b> 1.C	
	× 2. A	
	<b>X</b> 3. B	
	<b>X</b> 4. D	
Q.41	In which year was the Aam Aadmi Party founded?	Question ID : 2055232799
	A. 2010	Status : <b>Answered</b>
		Chosen Option : 1
	B. 2011	
	C. 2012	
	D. 2013	
Ans	<b>√</b> 1. C	
	<b>X</b> 2. D	
	<b>X</b> 3. B	
	<b>★</b> 4. A	

Q.42 A spoon which looks bent is an example of which of the following? Question ID: 2055232802 Status: Answered A. Reflection Chosen Option: 3 B. Refraction C. Retention D. Focus Ans X 1. C X 2. D X 4. A Q.43 Who discovered radioactivity? Question ID: 2055232803 Status: Answered A. Max Planck Chosen Option: 1 B. James Clerk Maxwell C. Henri Becquerel D. Heinrich Hertz Ans X 2. D **X** 3. A X 4. B Q.44 What is special about a sword-billed hummingbird? Question ID: 2055232806 Status: Answered A. It is the smallest bird in the world Chosen Option: 3 B. Its bill is longer than rest of its body C. It lives only in Antarctica D. It cannot fly Ans **1.** B X 2. C X 4. D Q.45 A boy running at 10/9th of his actual speed covers 39 km in 2 hours 20 minutes and 24 seconds. Find the actual speed of the boy (approx.). Question ID: 2055232850 A. 15 km/hr B. 50 km/hr. Status: Answered C. 39 km/hr.D. 150 km/hr. Chosen Option: 2 Ans X 1.B **√** 2. A X 3. C Q.46 Who devised the policy of Doctrine of Lapse? Question ID: 2055232790 Status: Answered A. Lord Curzon Chosen Option: 2 B. Lord Mountbatten C. Lord Dalhousie D. Robert Clive Ans X 1. A 2. C X 4. D

Q.47 Sonam's age after eight years will be half of her father's age. Eight years ago the ratio of their ages was 1:3. Find the Question ID: 2055232834 Status: Not Attempted and Mark A. 48 B. 56 ed For Review C. 36 Chosen Option: --Ans Q.48 Mohan earns a profit of 20% on selling a jean at 15% discount on printed price. The ratio of the cost price to printed price of the jean is Question ID: 2055232847 A 17:24 Status: Answered B. 17:34 C. 16:13 Chosen Option:4 D. 21:23 Ans Q.49 In accordance to the 18th Mercer Quality of Life study, which city in the World holds the first position as the best city to live in? Question ID: 2055232783 A. Zurich Status: Answered B. Vienna C. Sydney Chosen Option:4 D. Hyderabad Ans Q.50 When was the battle of Chillianwala fought? Question ID: 2055232789 Status: Not Attempted A. 1865 Chosen Option: --B. 1892 C. 1849 D. 1856 Ans X 1. A 🗙 2. D X 3. B 🎻 4. C Q.51 If 'W' means 'x', 'X' means '-', 'Y' means '+' and 'z' means '+', then Question ID: 2055232858 28 Z 7 W 8 X 6 Y 4 = ? Status: Answered A. 30 Chosen Option: 4 B. 3/2 C. 32 D. 34 Ans X 1. D X 2. B X 3. C 4. A **Q.52** If 'c' stands for '-', '>' stands for '+', '=' stands for 'x' and '@' stands for '+' then what will be the value of 27 > 81 @ 9 < 6Question ID: 2055232856 A. 32 Status: Answered B. 33 C. 30 Chosen Option: 3 D. 35



Q.58 What is income available with a person after deducting for taxes called? Question ID: 2055232810 Status: Answered A. Disposable Income Chosen Option: 2 B. Cash Income C. Salary D. General Income Ans X 1. B X 2. D X 3. C Q.59 Which of the following was the first super computer developed in 1976? Question ID: 2055232815 A. Acorn Atom Status: Answered B. Cray-1 Chosen Option: 3 C. PCW D. PET Ans X 1. C 🥖 3. B X 4. D Q.60 The average of five consecutive even numbers is 40. What is the value of smallest of these numbers? Question ID: 2055232835 B. 36 Status: Answered C. 44 Chosen Option: 3 D. 48 X 1. C **X** 2. D **√** 3. B X 4. A Q.61 Which series is India's First Supercomputer developed in Pune? Question ID: 2055232816 A. Vigyan Status: Answered B. Param Chosen Option : 2 C. Dhanush D. Shakti Ans X 1. C X 3. D X 4. A Q.62 A sum of money (P) doubles in 10 years. How much would it be in 20 years at the same rate of simple interest? Question ID: 2055232826 A. P B. 2P Status: Answered D. 4P Chosen Option: 2 Ans X 1. D X 3. B **X** 4. A Q.63 If (a+c+1) = 0, then find the value of  $(a^3+c^3+1-3ac)$ Question ID: 2055232823 Status: Answered A. -1 Chosen Option: 4 B. 1 C. 2 D. 0





### Comprehension:

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

The following table shows the domestic sales of cars of five manufacturers from 2005 to 2010.

(All the figures are in thousands)

Manufacturer	2005	2006	2007	2008	2009	2010
L	440	480	470	500	520	510
M	400	410	415	415	420	430
N	380	390	390	400	420	495
О	360	380	400	415	440	500
P	480	440	440	420	425	435

#### SubQuestion No: 69

Q.6 During 2006, what is the approximate share domestic sales of cars of the manufacturer M?

B. 10.5%

C. 20.5%

D. 25.5%

Ans X 1. D

X 3. C

X 4. B

Question ID: 2055232879 Status: Answered

Question ID: 2055232878

Chosen Option: 1

Status: Answered

Chosen Option: 3

### Comprehension:

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

The following table shows the domestic sales of cars of five manufacturers from 2005 to 2010.

(All the figures are in thousands)

Manufacturer	2005	2006	2007	2008	2009	2010
L	440	480	470	500	520	510
M	400	410	415	415	420	430
N	380	390	390	400	420	495
0	360	380	400	415	440	500
P	480	440	440	420	425	435

#### SubQuestion No: 70

Q.7 During 2010, the sales of which manufacturer has shown the maximum percentage increase over the previous year?

B. M

Ans

🗙 4. B

Comprehension:

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

The following table shows the domestic sales of cars of five manufacturers from 2005 to 2010.

(All the figures are in thousands)

Manufacturer	2005	2006	2007	2008	2009	2010
L	440	480	470	500	520	510
M	400	410	415	415	420	430
N	380	390	390	400	420	495
0	360	380	400	415	440	500
P	480	440	440	420	425	435

SubQuestion No: 71

Q.7 With respect to which of the following combinations, is the sales of cars the highest over the given period?

A. L, 2009

B. L, 2010 C. L, 2008

D. O, 2008

Ans 💢 1. C

X 3. B

Q.72 Which one of the following interchanges in signs and numbers would make the given equation correct?

3 + 5 - 2 = 4

A. + and -, 2 and 5

B. + and -, 3 and 4

C. + and -, 2 and 4

D. + and -, 3 and 5

Ans X 1. B

X 3. A

🕜 4. D

Q.73 Which dynasty had its capital at Chittorgarh?

A. Chauhan

B. Sisodia

C. Hada

D. Rathor

Ans

X 1. A

X 3. C

Q.74 With which sport is the term 'Freestyle' connected with?

A. Tennis

B. Kho Kho

C. Kabaddi

D. Swimming

Ans

X 1. A

X 2. C

Question ID: 2055232793

Question ID: 2055232880

Question ID: 2055232857

Question ID: 2055232788 Status: Answered

Status: Answered

Chosen Option: 4

Chosen Option: 2

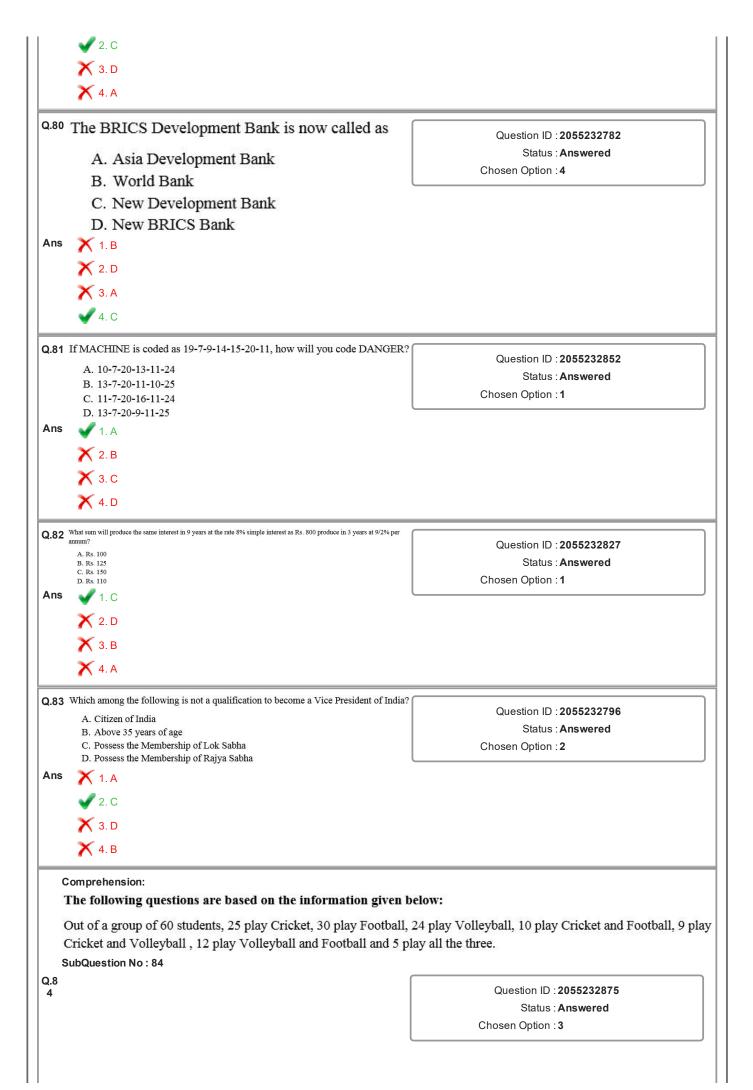
Chosen Option: 1

Status: Answered

Status: Answered

Chosen Option: 1

.75	Atul and Binay together complete a piece of work in 5 days. If Binay	Ouesting ID - 00FF00000
	alone can complete the same work in 8 days, how many days can Atul take to complete the same work alone?	Question ID : 2055232828 Status : Answered
	A. 40/3 days	Chosen Option : 4
	B. 20/3 days	
	C. 9 days	
ns	D. 10 days  1. B	
	<b>X</b> 2. C	
	<b>X</b> 3. D	
	✓ 4. A	
	नीचे एक अभिकथन (A) और एक कारण (R) दिया गया है।  अभिकथन (A): भारत में स्मार्टफोन उपयोगकर्ताओं की संख्या में तेजी से वृद्धि होती हुई दिख रही है।	Question ID : 2055232881
	कारण (R): उत्तम 3G और 4G कवरेज सस्ती कीमत के साथ है।	Status : Answered
	सही विकल्प चुनें।	Chosen Option :1
	A. A. सही है लेकिन R. गलत है। B. A. गलत है लेकिन R. सही है।	
	B. A गलत ह लाकन K सहा हा C. A और R दोनों सही हैं और R, A की उचित व्याख्या है।	
	D. A और R दोनों सही हैं लेकिन R, A की उचित व्याख्या नहीं है।	
ns	<b>★</b> 1. A	
	<b>X</b> 2. B	
	<b>√</b> 3. C	
	<b>★</b> 4. D	
.77	Find the dividend if the divisor is (x+2), quotient is (4x-5) and the remainder is 12.	
	A. 4x <sup>2</sup> +5x+2	Question ID : <b>2055232821</b>
	B. 4x <sup>2</sup> +3x+2 C. 4x <sup>2</sup> -3x+2	Status : <b>Answered</b> Chosen Option : <b>1</b>
	D. $4x^2+3x-2$	Choson option. I
ns	<b>√</b> 1. B	
	<b>X</b> 2. C	
	<b>X</b> 3. D	
	<b>★</b> 4. A	
.78	Who is considered the greatest of the early Chola kings?	0 11 10 20222
	A. Pulakeshi II	Question ID : 2055232787 Status : Answered
	B. Rajasimha	Chosen Option : 1
	C. Karikala	
	D. Nandivarman	
ns	X 1.A	
	<b>X</b> 2. D	
	<b>X</b> 3.B	
	✓ 4. C	
.79	The mass per unit volume is called	Question ID : 2055232805
	A. Force	Status : Answered
	B. Work	Chosen Option : 3
	C. Density	
	D. Pressure	



How many students play exactly two games? A. 7 B. 13 C. 5 D. 16 Ans **1.** D X 2. B X 3. C X 4. A Comprehension: The following questions are based on the information given below: Out of a group of 60 students, 25 play Cricket, 30 play Football, 24 play Volleyball, 10 play Cricket and Football, 9 play Cricket and Volleyball, 12 play Volleyball and Football and 5 play all the three. SubQuestion No: 85 Q.8 How many students do not play any one of the games? Question ID: 2055232876 Status: Not Attempted A. 5 Chosen Option: --B. 2 C. 7 D. 1 Ans X 1. A 🥒 2. C X 3. B X 4. D Comprehension: The following questions are based on the information given below: Out of a group of 60 students, 25 play Cricket, 30 play Football, 24 play Volleyball, 10 play Cricket and Football, 9 play Cricket and Volleyball, 12 play Volleyball and Football and 5 play all the three. SubQuestion No: 86 Q.8 How many students play Cricket only? Question ID: 2055232874 Status: Answered A. 11 Chosen Option: 3 B. 13 C. 8 D. 5 Ans X 1. D 🗙 4. B Q.87 Choose the pair which is related in the same way as the words in the first pair from the given choices Question ID: 2055232859 Moon: Satellite:: Earth: ---Status: Answered A. Air B. Planet Chosen Option: 1 C. Sun D. Sea Ans X 3. A X 4. C

Q.88 Naveen purchased a gas cylinder and a stove for Rs.4500. He sold the gas Question ID: 2055232846 cylinder at a gain of 25% and the stove at a loss of 20%, still gaining 4% on the whole. Find the cost of the gas cylinder. Status: Answered A. Rs.3600 Chosen Option: 1 B. Rs.2400 C. Rs.3000 D. Rs.2600 Ans X 1. A X 3. C 🌈 4. B Q.89 The name of our planet Earth originates from which language? Question ID: 2055232819 A. Greek Status: Answered B. Roman Chosen Option: 3 C. English D. Sanskrit Ans 🗙 1. D 🗙 2. B 🥒 4. C Q.90 Which of the following is a good source of Vitamin A? Question ID: 2055232820 Status: Answered A. Cabbage Chosen Option: 1 B. Carrot C. Regular Potato D. Strawberry Ans X 3. C Q.91 In new government policy, the price of onion is raised by 35%. By what % should a person reduce onion consumption so that the expenditure on it does not increase? Question ID: 2055232836 A. 25% B. 29% Status: Not Attempted and Mark C. 26% D. 33% ed For Review Chosen Option: --Ans 🕜 4. C Q.92 The mean of 10 observations is 13. Two more observations are included and the new mean becomes 14. The mean of two new observations is Question ID: 2055232844 A. 19 Status: Answered B. 18 Chosen Option: 1 D. 16 Ans X 4. C Q.93 If the standard deviation of a population is 6.5, what would be the population variance? Question ID: 2055232845 A. 40.25 Status: Answered B. 42.25 C. 18.25 Chosen Option: 3 D. 13

