r



# RAILWAY RECRUITMENT BOARDS रेलवे भर्ती बोर्ड

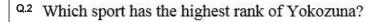
### RRB NTPC 12th April 2016 Shift 3

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	12/04/2016
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	Ritesh sold a pen for Rs. 36 with a profit of 20%. If it were sold for Rs. 33, then what could be the percentage of profit or
	loss?

- A 10% Profit
- B. 15% Profit
- C. 12% Loss
- D. 18% Loss
- Ans
- **X** 1. D
- X 2. C
- **√** 3. A
- **4**. E



- A. Sumo wrestling
- B. Judo
- C. Jujitsu
- D. Kendo

Ans

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

Q.3 Rearrange the jumbled up letters in their natural sequence and find the odd one out.

- A. SAMR
- B. MOETC
- C. USVNE
- D. PUJIERT

Ans



- X 2. C
- X 3.F

Question ID : 9888372151

Question ID : 9888372126 Status : Answered

Question ID: 9888372072

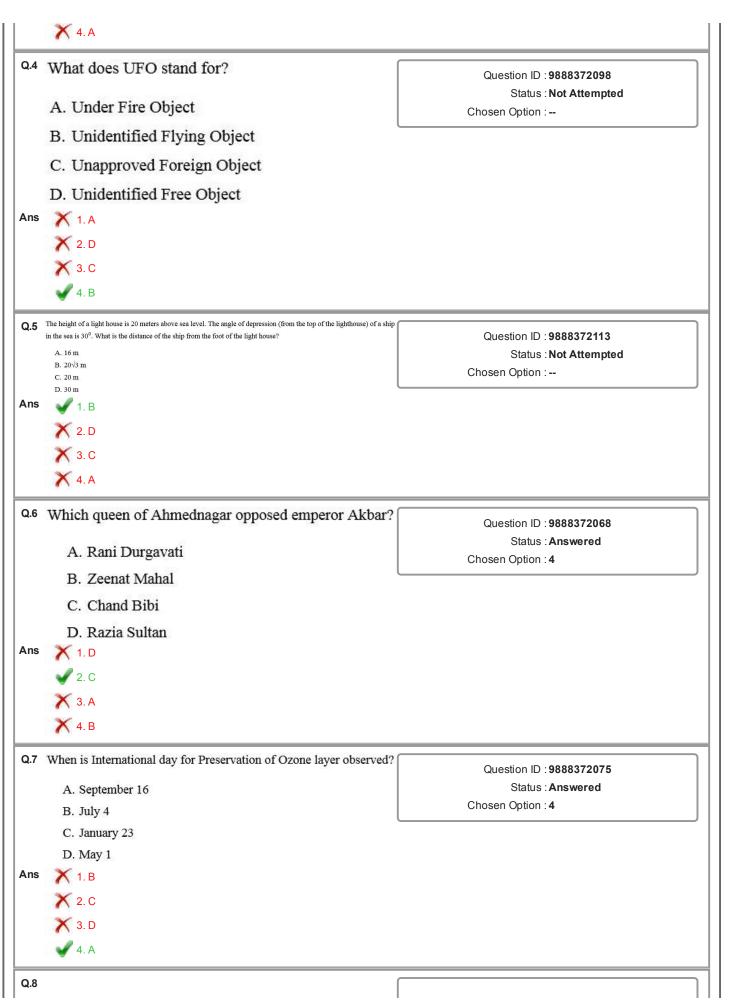
Status: Not Attempted

Chosen Option: 2

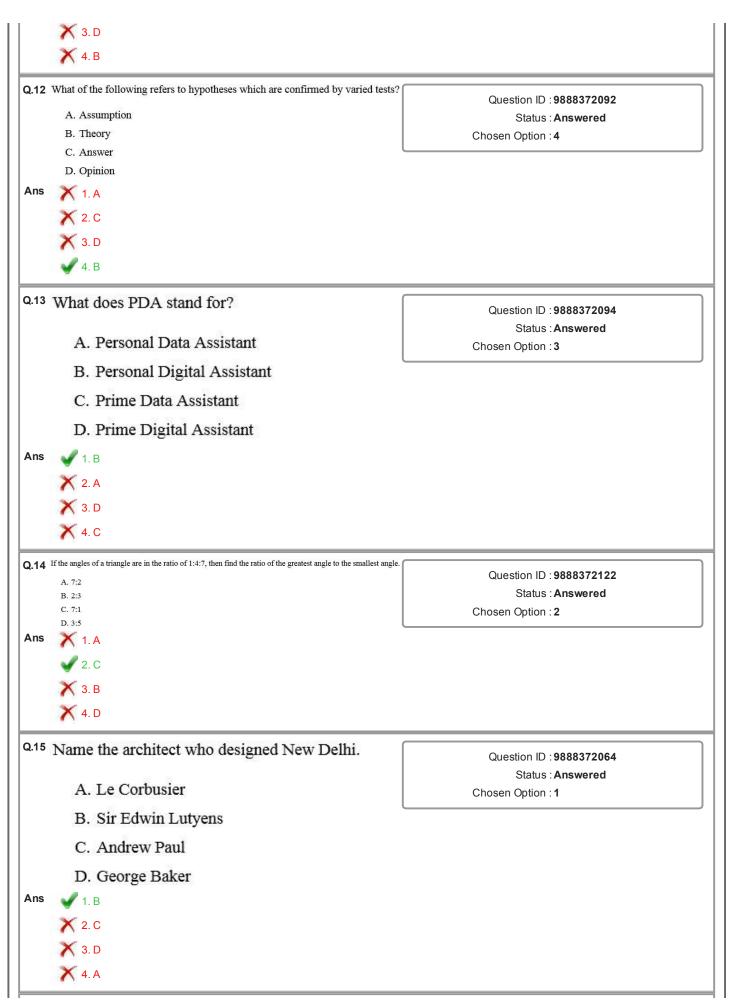
Chosen Option: --

Status: Not Attempted

Chosen Option: --



Question ID: 9888372088 Who invented the bifocal glasses? Status: Answered Chosen Option:4 A. Thomas Alva Edison B. Benjamin franklin C. Evangelista D. Isaac Newton Ans X 2. D **√** 3. B X 4. A Q.9 Identify the odd one from the list below. Question ID: 9888372140 Status: Answered A. Snake Chosen Option: 3 B. Lizard C. Reptiles D. Crocodile Ans X 1. B **√** 3. C X 4. A Q.10 What denotes learned and shared beliefs and behaviours? Question ID: 9888372091 Status: Answered A. Culture Chosen Option: 2 B. Ethnicity C. Group D. Descent Ans X 3. C Q.11 Who invented the mobile phone? Question ID: 9888372090 Status: Answered A. Joseph Wilson Chosen Option: 1 B. Edwin Land C. Martin Cooper D. John Lloyd Wright **1.** C X 2. A



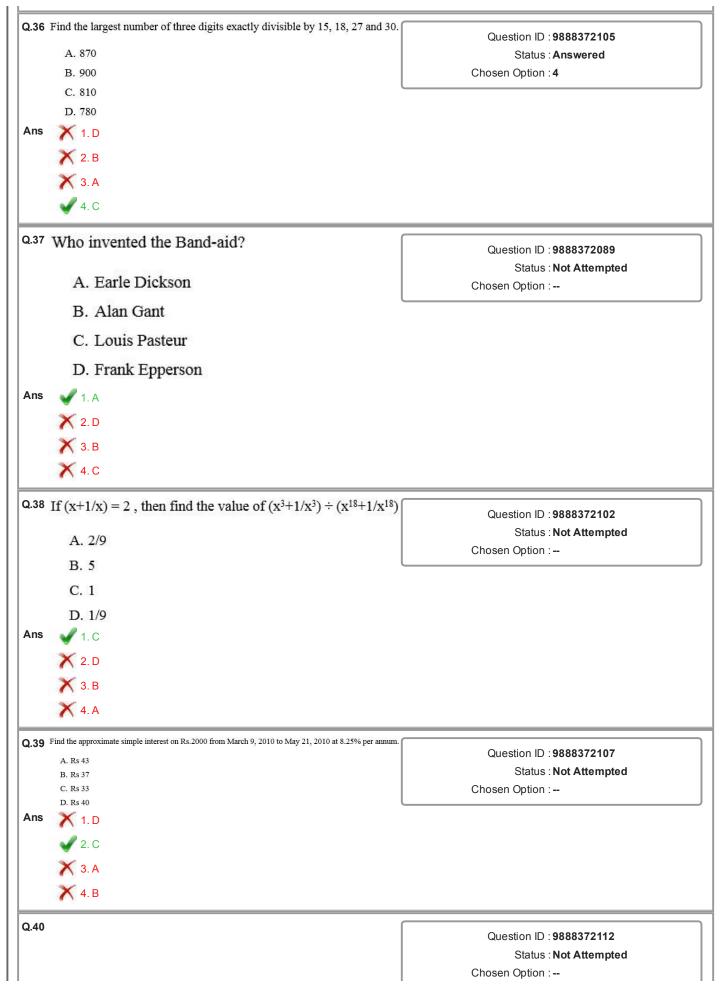
The	te mean of 10 observations is 17. One more observation is included and the new mean becomes 16. te 11th observation is  A. 16  B. 8  C. 6  D. 12	Question ID : 9888372124 Status : Answered Chosen Option : 3
	<ul><li>★ 1.D</li><li>★ 2.A</li><li>★ 3.C</li><li>★ 4.B</li></ul>	
Q.17 B	A. Robert Clive B. Lord Dalhousie C. Warren Hastings D. James Heartly	Question ID : 9888372069 Status : Answered Chosen Option : 1
	✓ 1. A  X 2. C  X 3. B  X 4. D	
the	un and Amit can do a piece of work in 9 days and 12 days respectively. If they work for alternate days and Amit starts work first, then in how many days 35/36 parts of whole work will be completed?  A. 10 days  B. 12 days  C. 5 days  D. 8 days	Question ID : 9888372109 Status : Answered Chosen Option : 1
Ans	<ul><li>★ 1. C</li><li>★ 2. B</li><li>★ 3. A</li><li>★ 4. D</li></ul>	
Ans	arma changes the marked price of an item to 50% above its C.P. What % of discount allowed in approximately to gain 36?  A. 27% B. 25% C. 35% D. 37% 1. D 2. C 3. B 4. A	Question ID : 9888372128 Status : Answered Chosen Option : 3
Q.20 Av	wholesaler purchased 7 hair clips for a rupee. How many for a rupee must he sell to get profit of 40% A. 6 B. 5 C. 4 D. 3 1. A 2. C 3. B	Question ID : 9888372127 Status : Answered Chosen Option : 3

<b>★</b> 4. D	
Q.21 If E = 5, GUN = 42 and ROSE = 57, then what is the value of GATE?  A. 23 B. 32 C. 33 D. 35 Ans 1. C 2. D 3. B 4. A	Question ID : 9888372132 Status : Answered Chosen Option : 1
Q.22 In which state is the Valley of Flowers National park situated?  A. Uttarakhand B. Himachal Pradesh C. Jammu and Kashmir D. Assam Ans X 1.C X 2.D X 3.B V 4.A	Question ID : 9888372080 Status : Answered Chosen Option : 3
Three numbers are given in which the second is triple the first and is also double the third. If the average of the three numbers is 66, find the first number.  A. 36 B. 54 C. 108 D. 72  Ans  1. A  2. C  3. D  4. B	Question ID : 9888372114 Status : Not Attempted Chosen Option :
Q.24 Pihu and Aayu are running on a circular track of diameter 28 m. Speed of Pihu is 48 m/s and that of Aayu is 40 m/s. They start from the same point at the same time in the same direction. When will they meet again for the first time?  A. 8 seconds B. 11 seconds C. 13 seconds D. 14 seconds Ans 1. D 2. C 3. A 4. B	Question ID : 9888372130 Status : Not Attempted Chosen Option :
Q.25	Question ID : 9888372078 Status : Answered Chosen Option : 3

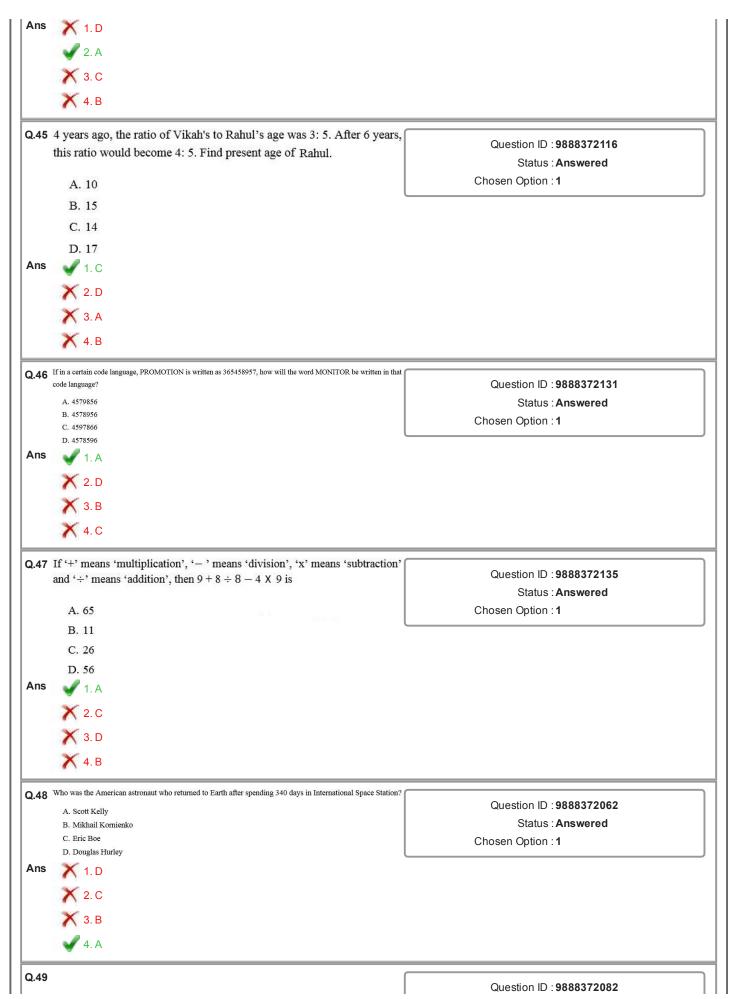
Who replaced B. S. Bassi as the Delhi Police Commissioner? A. Alok Kumar Verma B. Rakesh Maria C. Dattatray Padsalgikar D. Neeraj Kumar Ans X 1. D X 4. B Comprehension: In the following questions are to be based on the details given below: A salesman visits 274 houses in a town to find out the views about three products X, Y and Z. He found that 157 use X, 98 use only X, 22 use all the three, 14 use X and Z but not Y, 39 use Y and Z, 48 use only Y SubQuestion No: 26 Q.2 Which product is the most popular one? Question ID: 9888372154 Status: Not Attempted A. X Chosen Option: --B. Y C. Z D. Both X and Z Ans 1. A X 2.B X 3. C X 4. D Comprehension: In the following questions are to be based on the details given below: A salesman visits 274 houses in a town to find out the views about three products X, Y and Z. He found that 157 use X, 98 use only X, 22 use all the three, 14 use X and Z but not Y, 39 use Y and Z, 48 use only Y SubQuestion No: 27 Q.2 How many use product Z only? Question ID: 9888372155 Status: Not Attempted A. 10 Chosen Option: --B. 50 C. 52 D. 25 Ans **1.** C

### Comprehension: In the following questions are to be based on the details given below: A salesman visits 274 houses in a town to find out the views about three products X, Y and Z. He found that 157 use X, 98 use only X, 22 use all the three, 14 use X and Z but not Y, 39 use Y and Z, 48 use only Y SubQuestion No: 28 Q.2 What fraction used at least two products? Question ID: 9888372156 Status: Not Attempted A. 67/274 Chosen Option: --B. 76/274 C. 73/274 D. 37/274 Ans **1.B** X 2. C X 3. D Q.29 A superfast Duronto express running at 90 kmph overtakes a bike running at 36 kmph in 25 seconds. What is the length of the train in meters? Question ID: 9888372129 A. 375 m Status: Answered B. 225 m Chosen Option: 3 C. 275 m D. 325 m Ans X 1. D X 3. B X 4. C Q.30 If EFMIJ means DELHI, then the last letter of the word got by decoding IQBOS is Question ID: 9888372134 A. R Status: Answered B. T Chosen Option: 2 C. K D. M Ans X 3. D X 4. C Q.31 An Assertion (A) and Reason (R) are given below. Question ID: 9888372162 Assertion (A): We prefer to wear white clothes in winter. Status: Answered Chosen Option: 2 Reason (R): White clothes are good reflectors of heat. 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 and R is not the correct explanation of A. Ans X 1. C

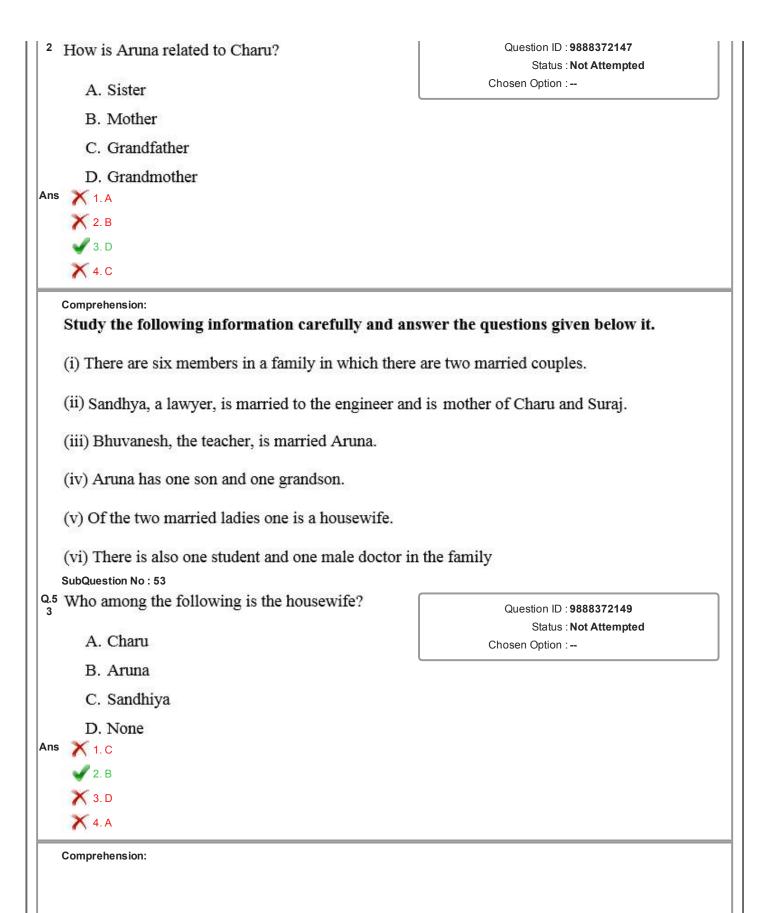
	<b>√</b> 2. B	
	X 3.A	
	<b>★</b> 4. D	
Q.32	Select the pair in which the numbers are similarly related as in the given pair:	
	9:27:::	Question ID : 9888372144
	A. 5:125	Status : <b>Answered</b> Chosen Option : 1
	B. 8:64	Chocch Cpton . 1
	C. 15:135	
A	D. 81:729	
Ans	<b>√</b> 1. D	
	× 2. C	
	<b>※</b> 3. A	
	<b>★</b> 4.B	
Q.33	How many princely states were there in India at the time of Independence?	Overstien ID (0000370070
	A. 347	Question ID : 9888372070 Status : Answered
	B. 490	Chosen Option : 4
	C. 565	
	D. 418	
Ans	X 1.A	
	<b>X</b> 2.B	
	<b>✗</b> 3. D	
	<b>√</b> 4. C	
Q.34	Given that $x+(1/x) = 15$ , then find the value of $5x+(5x^2-11x+5)$	
		Question ID : 9888372103
	A. 1/3	Status : <b>Answered</b>
		Chosen Option : 2
	B. 1/4	Chosen Option : 2
	B. 1/4 C. 1/5	Chosen Option : 2
		Chosen Option : 2
Ans	C. 1/5 D. 1/11 1. A	Chosen Option : 2
	C. 1/5 D. 1/11 1. A 2. B	Chosen Option : 2
	C. 1/5 D. 1/11 1. A 2. B 3. D	Chosen Option : 2
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, Th	Chosen Option : 2
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C	Chosen Option : 2
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, Th	Chosen Option : 2  Question ID : 9888372076
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.	
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi	Question ID : 9888372076
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi B. Sardar Vallabhbhai Patel	Question ID : 9888372076 Status : Answered
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi B. Sardar Vallabhbhai Patel C. Vinoba Bhave	Question ID : 9888372076 Status : Answered
Q.35	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi B. Sardar Vallabhbhai Patel C. Vinoba Bhave D. Raja Ram Mohan Roy	Question ID : 9888372076 Status : Answered
	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi B. Sardar Vallabhbhai Patel C. Vinoba Bhave D. Raja Ram Mohan Roy	Question ID : 9888372076 Status : Answered
Q.35	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi B. Sardar Vallabhbhai Patel C. Vinoba Bhave D. Raja Ram Mohan Roy	Question ID : 9888372076 Status : Answered
Q.35	C. 1/5 D. 1/11 1. A 2. B 3. D 4. C Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.  Who is considered as the Father of Modern Indian Renaissance?  A. Mahatma Gandhi B. Sardar Vallabhbhai Patel C. Vinoba Bhave D. Raja Ram Mohan Roy	Question ID : 9888372076 Status : Answered



The angle of elevation of the top of a tower at a distance of 25 m from its foot is 60°. The approximate height of the tower is -A. 20.3 m B. 15.3 m C. 36.3 m D. 43.3 m Ans X 1. C X 3. B X 4. A Q.41 Which of the following refers to the number of pixels per inch, printed on a page? Question ID: 9888372095 A. Print Margin Status: Answered B. Resolution Chosen Option: 1 C. Filter D. Colour mode Ans Q.42 In which generation of computer was the mechanical language for programming used? Question ID: 9888372093 Status: Answered B. Second Chosen Option: 4 C. Third D. Fourth Ans Q.43 Which is the fastest land animal in the World? Question ID: 9888372087 Status: Answered A. Dog Chosen Option: 2 B. Cheetah C. Tiger D. Horse Ans X 4. C Q.44 If @ means +, # means -, \$ means x and \* means  $\div$ , then what is the value of 16 @ 4 \$ 5 # 72 \* 8 = Question ID: 9888372137 A. 27 Status: Answered B. 26 Chosen Option: 2 C. 36 D. 35



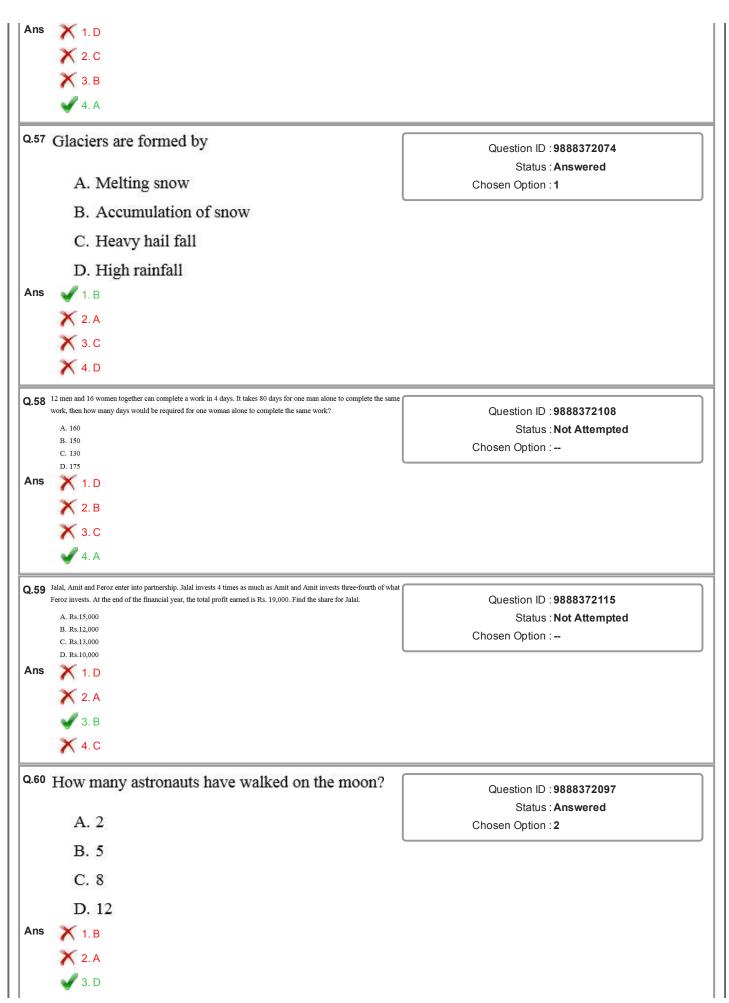
Knife is an example for Status: Answered Chosen Option: 2 A. Lever B. Wedge C. Inclined plane D. Pulley Ans Q.50 The famous tennis player Steffi Graf belongs to which among the following countries? Question ID: 9888372073 Status: Answered B. England Chosen Option: 1 C. Germany D. Switzerland Ans X 4. D Q.51 When two liquids do not mix with each other to form a solution, what is it called? Question ID: 9888372085 A. Solvent Status: Answered B. Solute Chosen Option: 2 C. Immiscible D. Decantation Ans X 1. D X 3. B X 4. A Comprehension: Study the following information carefully and answer the questions given below it. (i) There are six members in a family in which there are two married couples. (ii) Sandhya, a lawyer, is married to the engineer and is mother of Charu and Suraj. (iii) Bhuvanesh, the teacher, is married Aruna. (iv) Aruna has one son and one grandson. (v) Of the two married ladies one is a housewife. (vi) There is also one student and one male doctor in the family SubQuestion No: 52

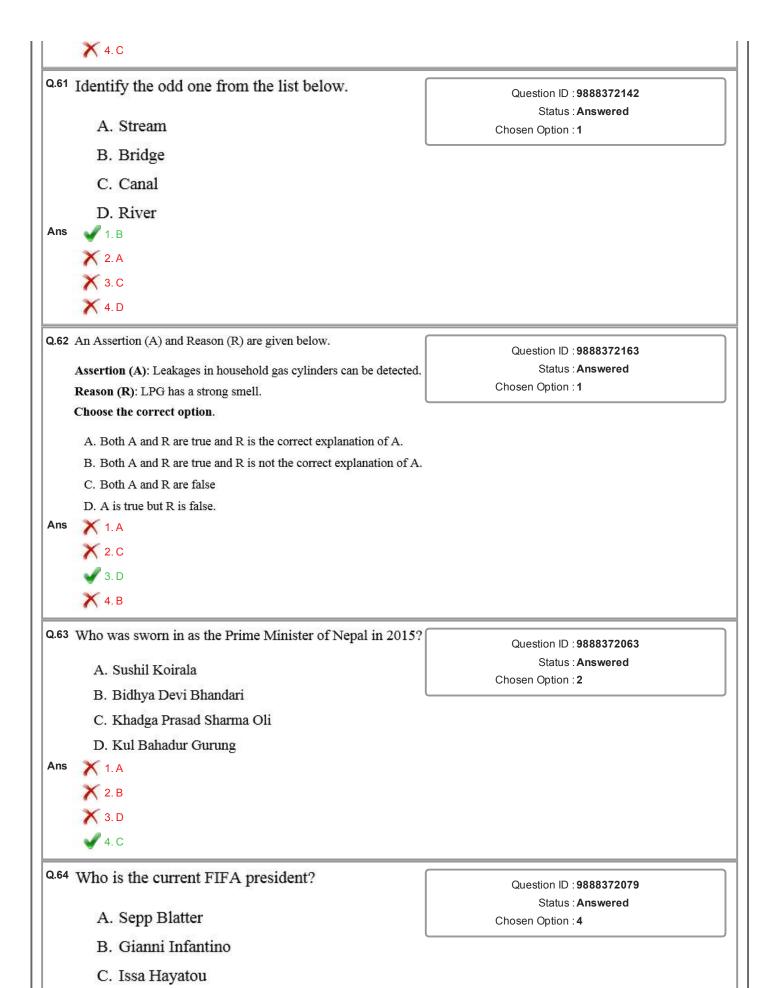


# Study the following information carefully and answer the questions given below it. (i) There are six members in a family in which there are two married couples. (ii) Sandhya, a lawyer, is married to the engineer and is mother of Charu and Suraj. (iii) Bhuvanesh, the teacher, is married Aruna. (iv) Aruna has one son and one grandson. (v) Of the two married ladies one is a housewife. (vi) There is also one student and one male doctor in the family SubQuestion No: 54 Q.5 Which of the following is true about the granddaughter in the family? Question ID: 9888372148 Status: Not Attempted A. She is a Doctor Chosen Option: --B. She is a Teacher C. She is a Student D. Data inadequate Ans X 4. B Q.55 Find the correct option which has a similar relationship. Question ID: 9888372145 Produce: Waste:: Contrast:? Status: Not Attempted Chosen Option: --A. Correct B. Match C. Contradict D. Oppose **Ans** 1. C 2. D 3. B Note: For this question, discrepancy is found in question/answer. So, Th is question is ignored for all candidates. Q.56 An Assertion (A) and a Reason (R) are given below. Question ID: 9888372161 Status: Answered Assertion (A): Beri - Beri is a viral infection. Chosen Option: 1 Reason (R): Vitamin deficiency causes diseases. Choose the correct option. A. A is false but R is true.

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

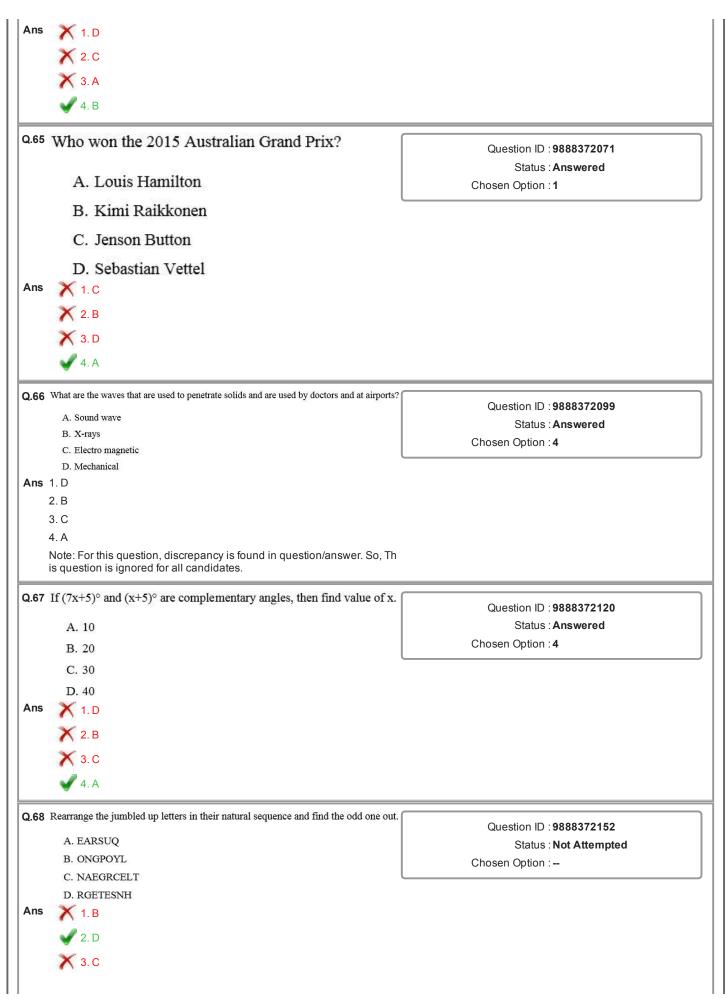
D. Both A and R are true and R is the correct explanation of A.

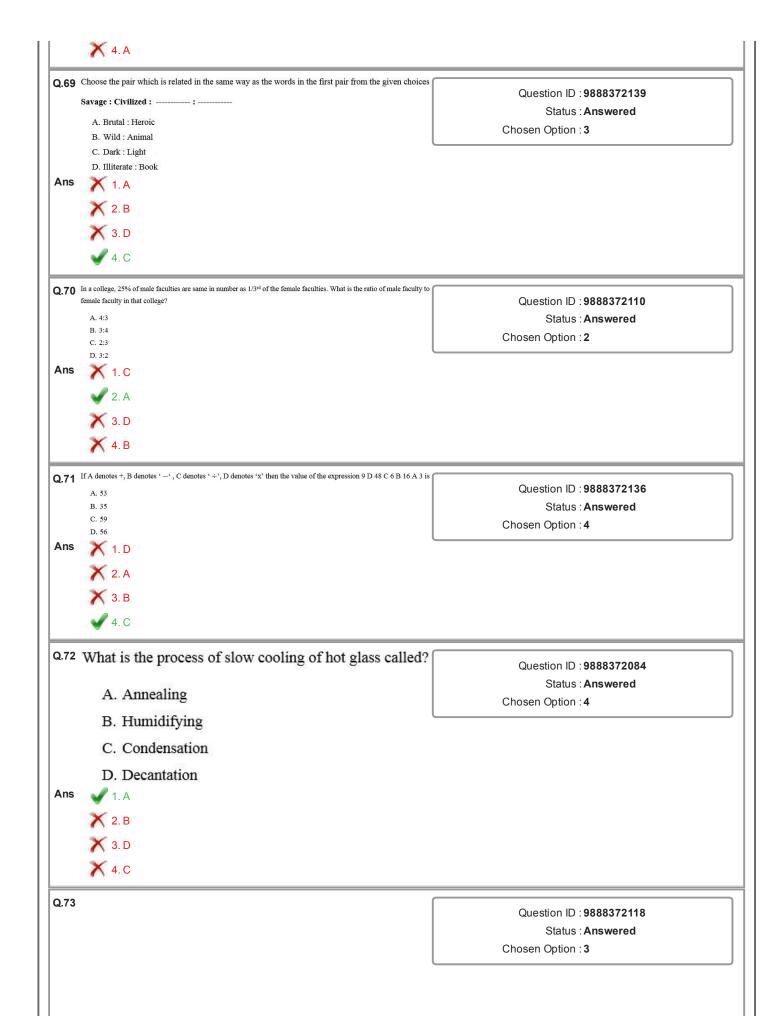


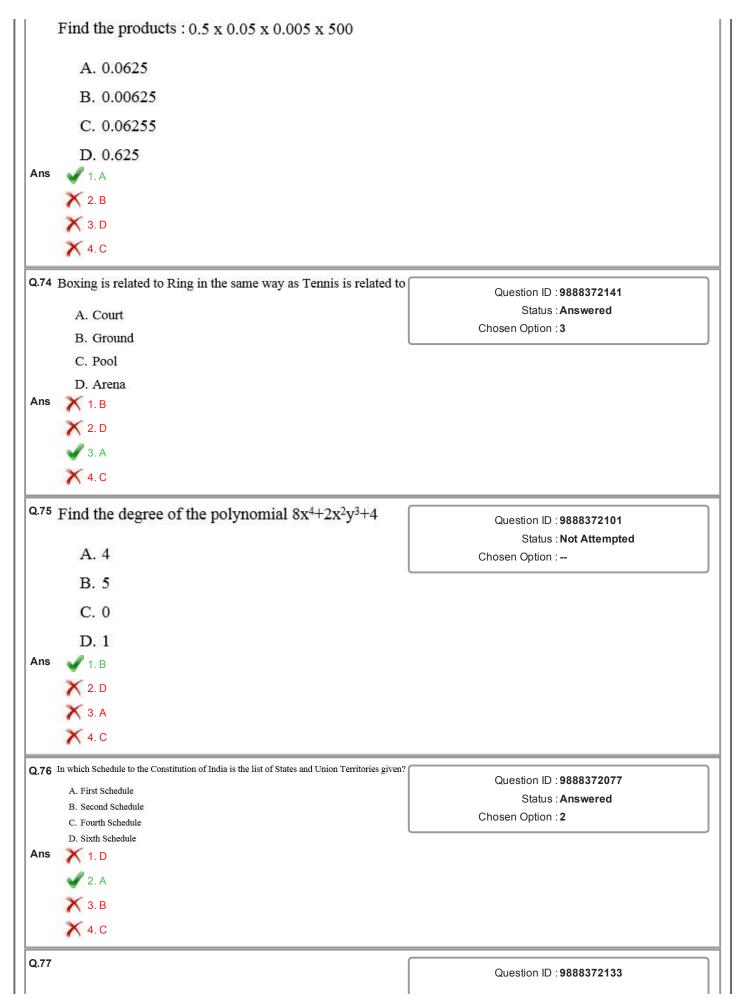


D. Dunga

17/28







In a certain code, TABLE is written as GZYOV, then CHAIR can be written as Status: Answered Chosen Option: 2 A. XRZSI B. XZSRI C. XSRZI D. XSZRI Ans X 4. A Q.78 Milk of Magnesia is used as a Question ID: 9888372100 Status: Answered A. Laxative Chosen Option: 4 B. Pain killer C. Sedative D. Antibiotic Ans **1.** A X 2. B Q.79 In a number system, on dividing 11509 by a certain number, Mukesh gets 71 as Question ID: 9888372119 quotient and 7 as remainder. What is the divisor? Status: Not Attempted A. 132 Chosen Option: --B. 172 C. 182 D. 162 X 1. C X 2. A X 4. B Comprehension:

# The table below depicts the Number of Books Sold by 5 cities during 5 months. Study the

#### following table and answer the questions:

Months	City A	City B	City C	City D	City E
June	213	200	195	253	229
July	156	208	216	187	175
August	177	197	185	181	215
September	220	145	235	265	231
October	253	188	278	243	249

SubQuestion No: 80

Q.8 If 30% of the total number of books sold by City B, D and E together in July were academic books, how many non – academic books were sold by the same Cities together in the same month?

- A. 379
- B. 389
- C. 399
- D. 309

Ans







Comprehension:

The table below depicts the Number of Books

Sold by 5 cities during 5 months. Study the

## following table and answer the questions:

Months	City A	City B	City C	City D	City E
June	213	200	195	253	229
July	156	208	216	187	175
August	177	197	185	181	215
September	220	145	235	265	231
October	253	188	278	243	249

SubQuestion No: 81

Q.8 What is the respective ratio between the total number of books sold by City A in July and September together and total number of books sold by City E in August and October together?

A. 57:49

B. 49:57

C. 58:47

D. 47:58

Ans



Question ID : 9888372160
Status : Not Attempted
Chosen Option : --

Question ID: 9888372159

Chosen Option: --

Status: Not Attempted



#### Comprehension:

### The table below depicts the Number of Books

### Sold by 5 cities during 5 months. Study the

### following table and answer the questions:

Months	City	City	City	City	City
	A	В	C	D	E
June	213	200	195	253	229
July	156	208	216	187	175
August	177	197	185	181	215
September	220	145	235	265	231
October	253	188	278	243	249

SubQuestion No: 82

Q.8 What is the average number of books sold by City C in

July, September and October together?

A. 243

B. 242

C. 234

D. 224





X 3. D X 4. B

Q.83 Find the missing value denoted by '?'

3:243::5:?

A. 625

B. 465

C. 3125

D. 425

Ans

X 1. A

Question ID: 9888372158 Status: Not Attempted

Chosen Option : --

Question ID: 9888372143

Status: Answered

Chosen Option: 4

If the standard deviation of a population is 3, what would be the population variance? Status: Answered Chosen Option: 2 B. 6 C. 8 D. 15 Ans X 1. C Q.85 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: 9888372150 Statements: Status: Answered Some buds are flowers. All flowers are trees Chosen Option: 1 All trees are leaves. Conclusions: I. Some leaves are buds. II. All flowers are leaves. Decide which of the below options logically follows the given conclusions. A. Only Conclusion I follows B. Only Conclusion II follows C. Both I and II follow D. Neither I nor II follows Ans X 4. A Q.86 Find the LCM of the following fractions: 2/3, 8/9, 16/27, 32/81 Question ID: 9888372104 Status: Answered A. 32/81 Chosen Option: 1 B. 81/32 C. 32/3 D. 11/41 Ans Q.87 In which state is Koyna dam located? Question ID: 9888372065 Status: Answered A. Madhya Pradesh Chosen Option: 1 B. Rajasthan C. Maharashtra D. Gujarat Ans X 1. A Q.88

# Question ID: 9888372096 Which planet is the nearest in size to Earth? Status: Answered Chosen Option: 1 A. Mercury B. Mars C. Venus D. Saturn Ans X 3. A Q.89 The mean of a distribution is 15 and the standard deviation is 5. What is the value of the coefficient variation? Question ID: 9888372123 Status: Not Attempted B. 66.66% C. 33.33% Chosen Option: --D. 100% Ans X 1. A X 4. B Q.90 If S is the midpoint of a straight line PQ and R is a point different from S, such that PR=RQ, then Question ID: 9888372121 A. ∠PRS=90° Status: Answered B. ∠QRS=90° Chosen Option: 2 C. ∠PSR=90° D. ∠QSR<90° Ans Q.91 Who constructed the Hawa Mahal? Question ID: 9888372081 Status: Answered A. Maharaja Bhagvat Singh Chosen Option: 4 B. Maharaja Jagatjit Singh C. Maharaja Sawai Pratap Singh D. Maharajah Jaswant Singh Ans Q.92 Question ID: 9888372138 Status: Answered Chosen Option: 2

If '>' means 'minus', '<' means 'plus', '\* ' means 'multiplied by' and # means 'divided by', then what would be the value of 27 < 81 # 9 > 6 = A. 32 B. 30 C. 36 D. 25 Ans X 1. D X 4. A Q.93 Which king's story is the subject of the play Mudrarakshasa? Question ID: 9888372067 Status: Answered A. Jaychand Chosen Option: 4 B. Chandra Gupta II C. Chandrapeeda D. Chandragupta Maurya Ans Q.94 The amount of alcohol in two different medicines is 1.5% and 2.5% respectively. In what ratio they should be mixed such that amount of alcohol in the new mixture is 3.5%? Question ID: 9888372111 Status: Not Attempted B. 2:1 Chosen Option: --C. 3:2 D. 2:3 **Ans** 1. C 2. A 3. D 4. B Note: For this question, discrepancy is found in question/answer. So, Th is question is ignored for all candidates. Q.95 Who was responsible for building the Great wall of China? Question ID: 9888372066 Status: Answered A. Qin Shi Huang Chosen Option: 3 B. Fa-Hien C. Xuanzang or Hiuen Tsang D. Yijing Ans 4. A Q.96 Question ID: 9888372061 Status: Answered Chosen Option: 2

Martin Crowe who passed away recently was the former cricket captain of which country? A. Australia B. England C. New Zealand D. South Africa Ans X 1. D **√** 3. C X 4. A Q.97 If 70% of 5/7th of a number is 90, find the number. Question ID: 9888372117 Status: Answered A. 150 Chosen Option: 4 B. 180 C. 160 D. 190 Ans X 1. A X 3. D Q.98 Which among the following is called quicksilver? Question ID: 9888372083 Status: Answered A. Titanium Chosen Option: 3 B. Mercury C. Platinum D. Radium Ans X 1. C X 2. D 4. B Q.99 Which of the following is a vertebrate? Question ID: 9888372086 Status: Answered A. Kiwi Chosen Option: 3 B. Sponges C. Star fish D. Threadworm Ans X 1.B X 2. C X 4. D

Q.10 Find the total Simple Interest on Rs.500 at 7% per annum, on Rs.700 at 10% per annum and on Rs.1000 at 4% per annum for 3 years.

A. 435
B. 500
C. 700
D. 1000

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