RE INDIAN

RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

RRB NTPC 27th April 2016 Shift 2

Test Date:	27/04/2016
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

Q.1 is not caused by airborne transmission.

- A. Tuberculosis
- B. Chickenpox
- C. Measles
- D. Hepatitis B

Ans



X 2. A

X 3. C

X 4. B

Q.2 Read the statements and answer the question based on it.

Statements:

- 1. Some mammals are extinct and some are critically endangered.
- 2. All dinosaurs are extinct.
- 3. Some reptiles are critically endangered and some are already extinct.

Which option logically follows the given statements?

- A. All dinosaurs are mammals.
- B. There are no reptiles that are out of the danger of extinction.
- C. No dinosaurs are critically endangered.
- D. Some reptiles are dinosaurs who are extinct.

Ans

A 1. D



¥ 2 D

X 4. A

- Q.3 Allergy Screening Blood Test for human beings does not include
 - A. RAST
 - B. ELISA
 - C. IgE
 - D. Hemoglobin A1C

Ans

1. B

Question ID : 2055233738
Status : Not Attempted

Question ID : 2055233733 Status : Answered

Question ID: 2055233808

Chosen Option: 3

Status: Answered

Chosen Option: 2

Chosen Option: --

ı		
	√ 2. D	
	X 3. A	
	X 4. C	
Q.4	is not a tributary of the river Ganges.	
	5 NACO	Question ID : 2055233712 Status : Answered
	A. Yamuna	Chosen Option : 3
	B. Gomti	
	C. Kosi	
	D. Manas	
Ans	★ 1.B	
	× 2.C	
	√ 3. D	
	X 4. A	
Q.5	वह संख्या ज्ञात कीजिए जिसका 6 गुना 60 से 6 कम है।	Question ID : 2055233749
		Status : Not Attempted
	A. 6	Chosen Option :
	B. 7	
	C. 8	
	D. 9	
Ans	X 1. B	
	✓ 2. D	
	X 3. A	
	X 4. C	
Q.6	The area of a rectangle is 448 sq.m. If the length is more than the breadth by 12%, find the breadth.	
	A. 14 m B. 16 m	Question ID : 2055233772
	C. 18 m	Status : Not Attempted Chosen Option :
Ans	D. 20 m	Circosii Spiloii :
	X 2. C	
	✓ 3. D	
	★ 4. B	
Q.7	Mirages are formed primarily due to of light.	Question ID : 2055233746
	A. Reflection	Status : Answered
	B. Diffusion	Chosen Option : 4
	C. Refraction	
Ana	D. Scattering	
Ans	X 1.B	
	√ 2. C	
	X 3. D	
	X 4. A	

Q.8 Resolution: Determination:: Consensus:

A. Difference

B. Unanimity

C. Decide

D. Outcome

Ans

X 1.C

X 2. D

X 3. A

4. B

Comprehension:

The following table represents the transport preferences of a certain number of people in three towns V, K and S. Consider the information and answer the following questions based on it.

	Cycle	Taxi	Rickshaw	Bus	Own car	Train
Town V	150	155	75	100	125	145
Town K	115	100	100	175	175	110
Town S	150	150	125	100	100	155

SubQuestion No: 9

Q.9 What is the most preferred mode of transport?

A. Train

B. Bus

C. Cycle

D. Taxi

Ans

X 1. D



W 3 C

X 4. B

Comprehension:

The following table represents the transport preferences of a certain number of people in three towns V, K and S. Consider the information and answer the following questions based on it.

	Cycle	Taxi	Rickshaw	Bus	Own car	Train
Town V	150	155	75	100	125	145
Town K	115	100	100	175	175	110
Town S	150	150	125	100	100	155

SubQuestion No: 10

Q.1 The number of people wanting to travel by train and bus is how much more or less than those wanting to travel by taxi and own car?

A. 15 more

B. 15 less

C. 20 more D. 20 less

Ans

X 1. B



X 3. A

X 4. C

Comprehension:

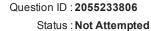
Question ID : 2055233807

Status: Answered

Question ID : 2055233789 Status : Answered

Chosen Option: 1

Chosen Option: 3



Chosen Option: --

The following table represents the transport preferences of a certain number of people in three towns V, K and S. Consider the information and answer the following questions based on it.

	Cycle	Taxi	Rickshaw	Bus	Own car	Train
Town V	150	155	75	100	125	145
Town K	115	100	100	175	175	110
Town S	150	150	125	100	100	155

SubQuestion No: 11

Q.1 The difference between people who prefer taxi to own car is?

A. 5

B. 10

C. 15

D. 20

Ans

X 1. D

X 2.B

-

2 4 ∆

Q.12 Salt Satyagraha in Tamil Nadu was led by _

A. C. Rajagopalachari

B. K. Kamaraj

C. Potti Sriramulu

D. C. Subramaniam

Ans

🖋 1. A

X 2. B

X 3. D

X 4. C

Q.13 An assertion (A) and a reason (R) are given below.

Assertion (A): Tungsten filament is used for making light bulbs.

Reason (R): Tungsten has a high melting point.

Choose the correct option.

- A. Both A and R are true and R is the correct explanation of A
- B. Both A and R are true, but R is not the correct explanation of A
- C. A is true, but R is false
- D. A is false, but R is true

Ans

X 1. C



X 3 B

X 4. D

Q.14 Esc key in a windows keyboard is not used to

A. Close a dialog-box

B. Run a selected command

C. Cancel a command

D. Close a selected drop down list

Question ID: 2055233805

Status: Answered

Chosen Option: 4

Question ID : 2055233717 Status : Not Attempted

Chosen Option: --

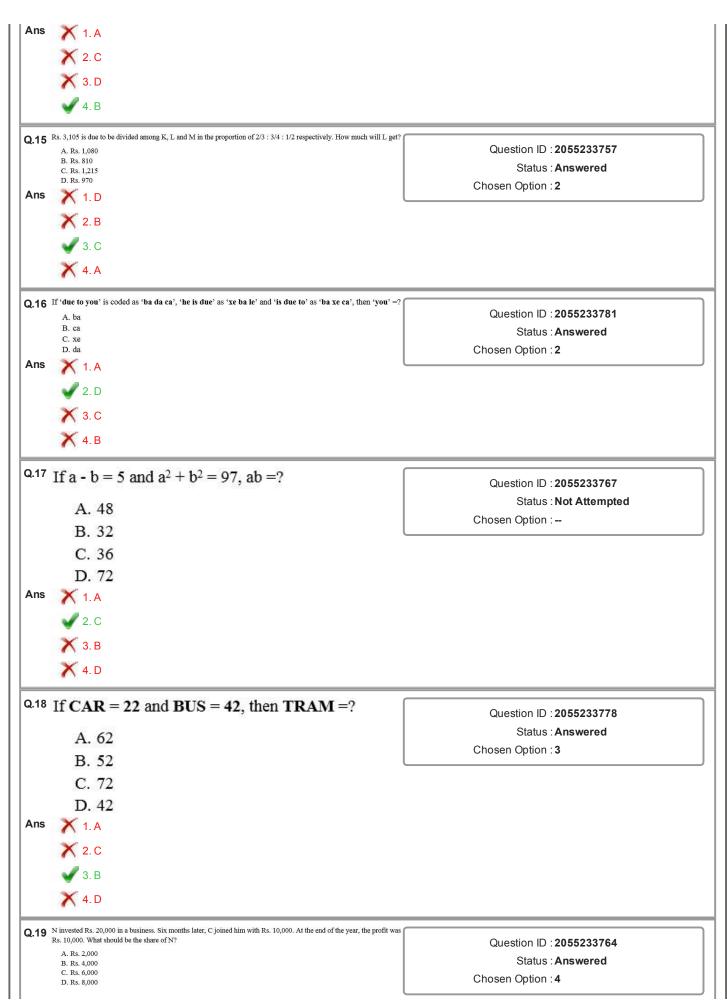
Question ID : 2055233809

Status: Answered

Chosen Option: 3

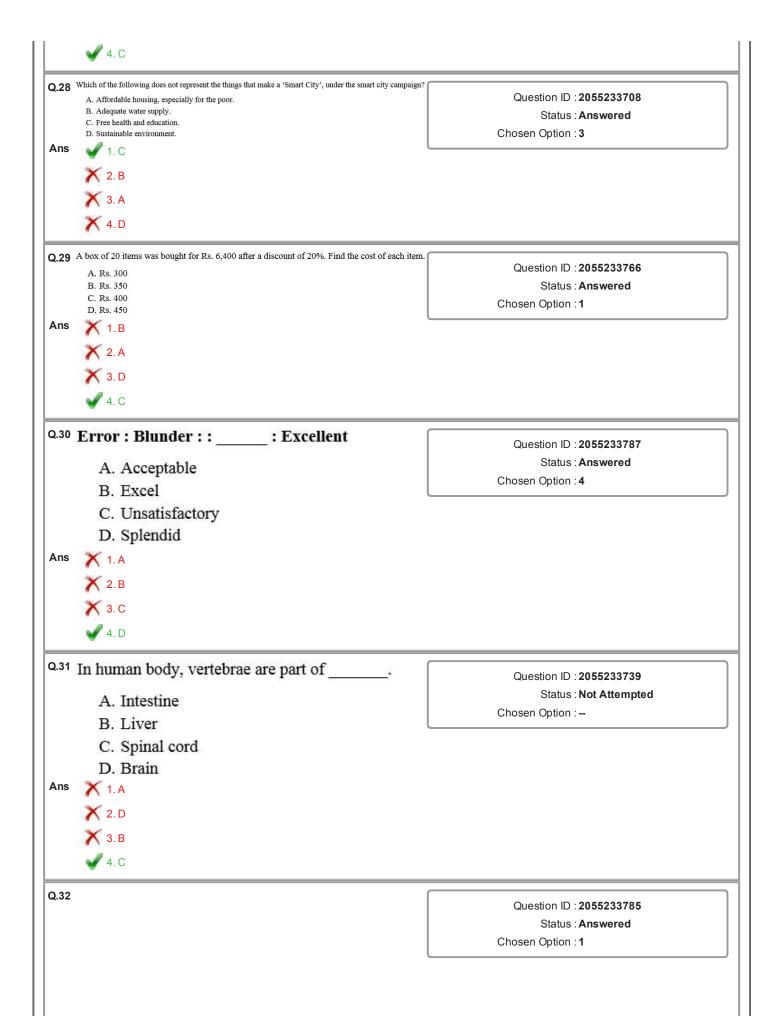
Question ID : 2055233742 Status : Answered

Chosen Option: 2

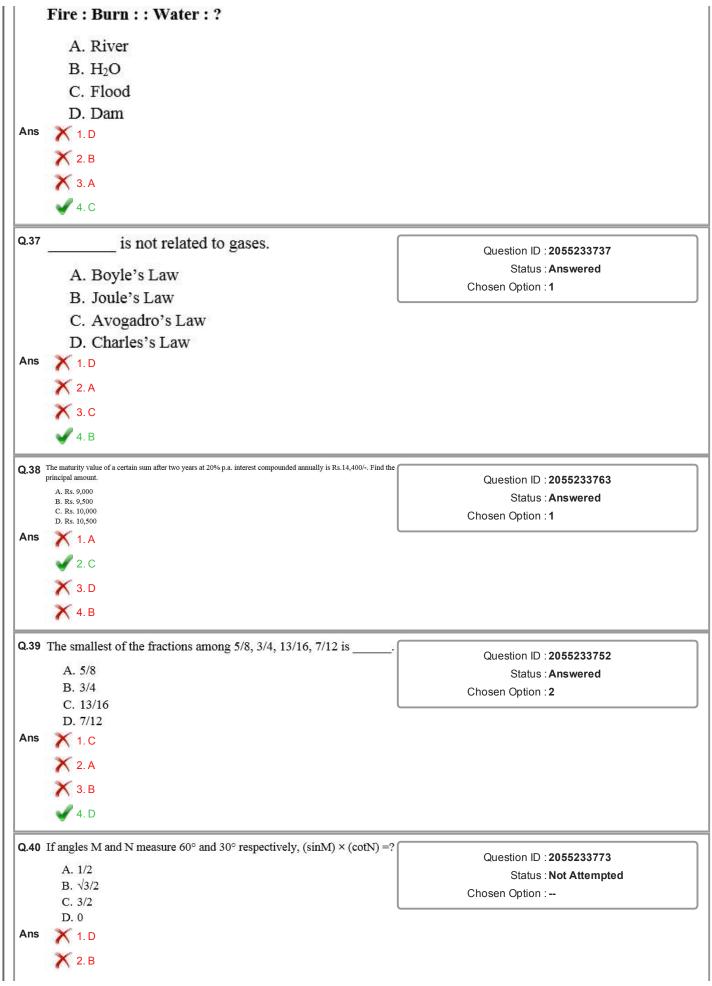


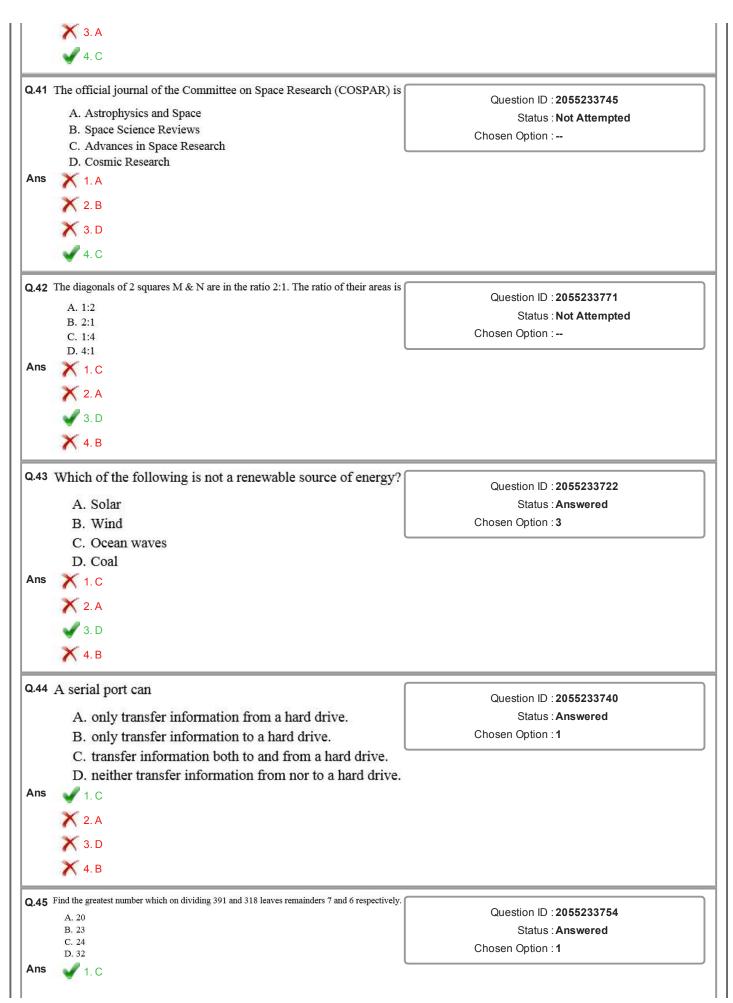
Q.20 If WORK = 7935, ROCK = 3587 AND WART = 1945, which digit stands for T? Question ID: 2055233779 A. Either 9 or 1 Status: Answered B. Either 8 or 1 Chosen Option: 4 C. Either 4 or 5 D. Either 1 or 4 Ans Q.21 Yerwada Jail is in Question ID: 2055233728 Status: Answered A. Mumbai Chosen Option: 2 B. Pune C. Goa D. Nagpur Ans X 1.C X 4. D Q.22 Which pair is not similar to the other three? Question ID: 2055233788 Status: Answered A. Bare: Dressed Chosen Option: 3 B. Baffled: Informed C. Counterfeit: Fake D. Degrade: Exalt Ans Q.23 A grant for estimated expenditure made by Lok Sabha for part of a financial year pending voting is called Question ID: 2055233723 A. Cut motion B. Appropriation Status: Not Attempted C. Prorogation Chosen Option: --D. Vote on account Ans X 4. B Q.24 Question ID: 2055233715 Status: Answered

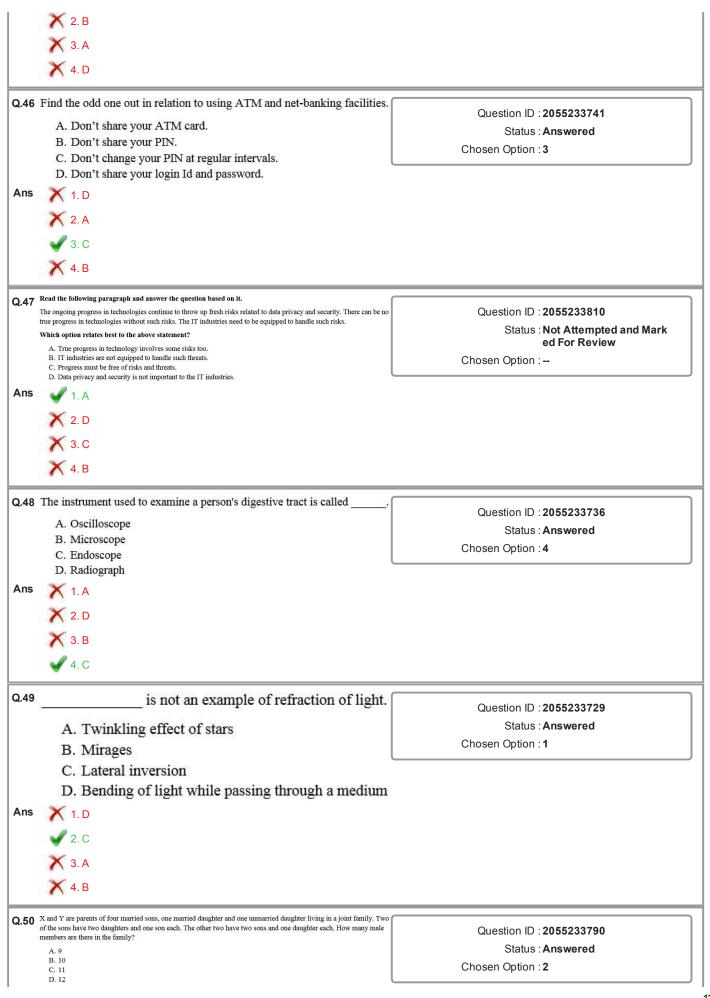
is the capital of Mizoram. Chosen Option: 1 A. Shillong B. Aizawl C. Kavaratti D. Imphal Ans Q.25 Statements followed by some conclusions are given below. Question ID: 2055233798 Statements: Status: Not Attempted 1. We don't have the will to punish the guilty unless he is weak and poor. Chosen Option: --2. The rich and well-connected get away with every wrong doing. The rich people are able to escape punishment for wrong doing. If we will, justice will be same for all. Find which of the given conclusions logically follows from the given statements. A. Only conclusion I follows B. Only conclusion II follows C. Both I and II follow D. Neither I nor II follows Q.26 India shares water border with countries. Question ID: 2055233713 Status: Answered A. One Chosen Option: 1 B. Two C. Three D. Four **Ans** 1. D 2. A 3. C 4. B Note: For this question, discrepancy is found in question/answer. So, Th is question is ignored for all candidates. Q.27 Find the LCM of 12, 16, 20 and 24. Question ID: 2055233755 Status: Answered A. 180 Chosen Option: 4 B. 220 C. 240 D. 260

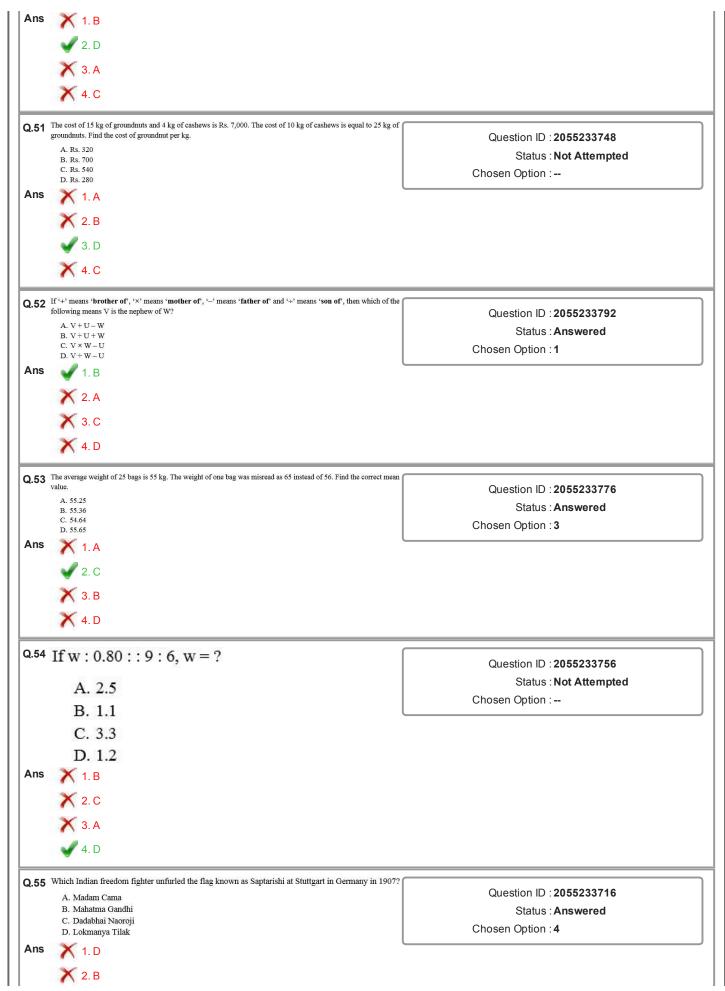


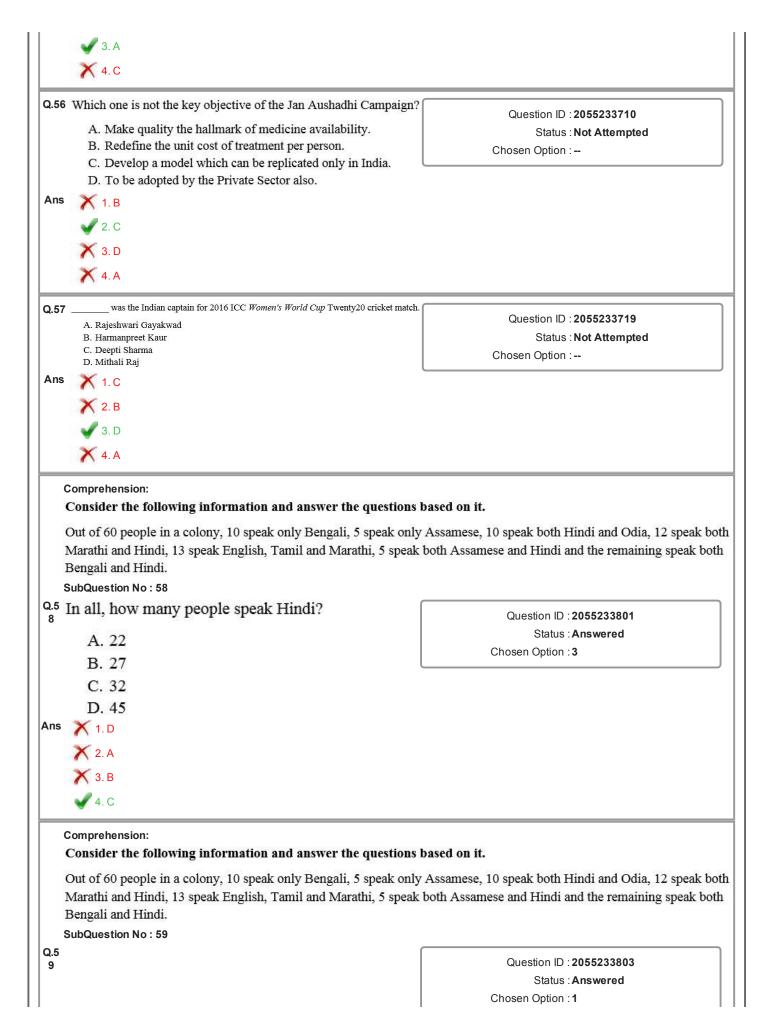
Find the missing (?) in the series. AB, CE, FI, ?, OT A. JM B. GK C. HO D. JN Ans X 2. A Q.33 are twin prime numbers. Question ID: 2055233751 Status: Answered A.(4,9)Chosen Option: 4 B. (2, 3)C. (4, 6) D.(3,5)Q.34 X does 25% of a work in 20 days. Y joins X and they together finish the remaining work in 15 days. Y alone can do the whole work in ____ days. Question ID: 2055233759 A. 30 days Status: Answered B. 25 ½ days C. 26 ½ days Chosen Option: 3 D. 26 1/3 days Ans Q.35 $(4x-7)^2 = ?$ Question ID: 2055233769 Status: Not Attempted A. $4x^2 - 56x + 49$ Chosen Option: --B. $4x^2 - 14x + 49$ C. $16x^2 + 14x + 49$ D. $16x^2 - 56x + 49$ Ans X 1.B 4. D Q.36 Question ID: 2055233786 Status: Answered Chosen Option: 3











How many people speak more than one language? A. 15 B. 45 C. 50 D. 55 Ans **√** 1. B X 2. A X 3. C X 4. D Comprehension: Consider the following information and answer the questions based on it. Out of 60 people in a colony, 10 speak only Bengali, 5 speak only Assamese, 10 speak both Hindi and Odia, 12 speak both Marathi and Hindi, 13 speak English, Tamil and Marathi, 5 speak both Assamese and Hindi and the remaining speak both Bengali and Hindi. SubQuestion No: 60 Q.6 The ratio of people who speak Bengali to those who speak Marathi is Question ID: 2055233802 A. 15/32 Status: Answered B. 1/2 Chosen Option: 1 C. 3/4 D. 3/5 Ans X 2. B X 3. A X 4. C Q.61 In a farm, there are goats and peacocks. If the number of heads are 60 and the number of feet are 170, then the number of Question ID: 2055233768 Status: Not Attempted B. 20 C. 23 Chosen Option: --D. 25 Ans X 4. A Q.62 A train runs at 80 kmph for the first 40 km and the next 30 km at 60 kmph. Find the average speed. Question ID: 2055233761 A. 62 kmph B. 64 kmph Status: Not Attempted C. 65 kmph Chosen Option: --D. 70 kmph Ans X 4. C Q.63 Question ID: 2055233735 Status: Answered Chosen Option: 3

Objects float on water based on A. Newton's third law of motion B. Hooke's law C. Faraday's law D. Archimedes principle

Ans

X 1.B





X 4. A

Comprehension:

E, F, G, H and K visit a hospital on week days. Each one of them is a physician, surgeon, dentist, cardiologist, nephrologist but in the random order. Each visits the hospital only one day in the week and attends to their profession only. Consider the following information and answer questions based on it.

- 1. The physician visits office every Monday.
- 2. E is the cardiologist who comes neither on Tuesday nor Thursday.
- 3. K is a surgeon and G is not the physician.
- 4. The person who visits the office on Thursday is not a nephrologist.
- 5. H works on a Tuesday and K works on the following day.

SubQuestion No: 64

Q.6 Who is the nephrologist?

A. E

B. F

C. G

D. H

Ans X 1. B

X 2. A

X 4. C

Question ID: 2055233795 Status: Answered

Chosen Option: 2

Comprehension:

E, F, G, H and K visit a hospital on week days. Each one of them is a physician, surgeon, dentist, cardiologist, nephrologist but in the random order. Each visits the hospital only one day in the week and attends to their profession only. Consider the following information and answer questions based on it.

- 1. The physician visits office every Monday.
- 2. E is the cardiologist who comes neither on Tuesday nor Thursday.
- 3. K is a surgeon and G is not the physician.
- 4. The person who visits the office on Thursday is not a nephrologist.
- 5. H works on a Tuesday and K works on the following day.

SubQuestion No: 65

Q.6 Who is the physician?

A. E

B. F

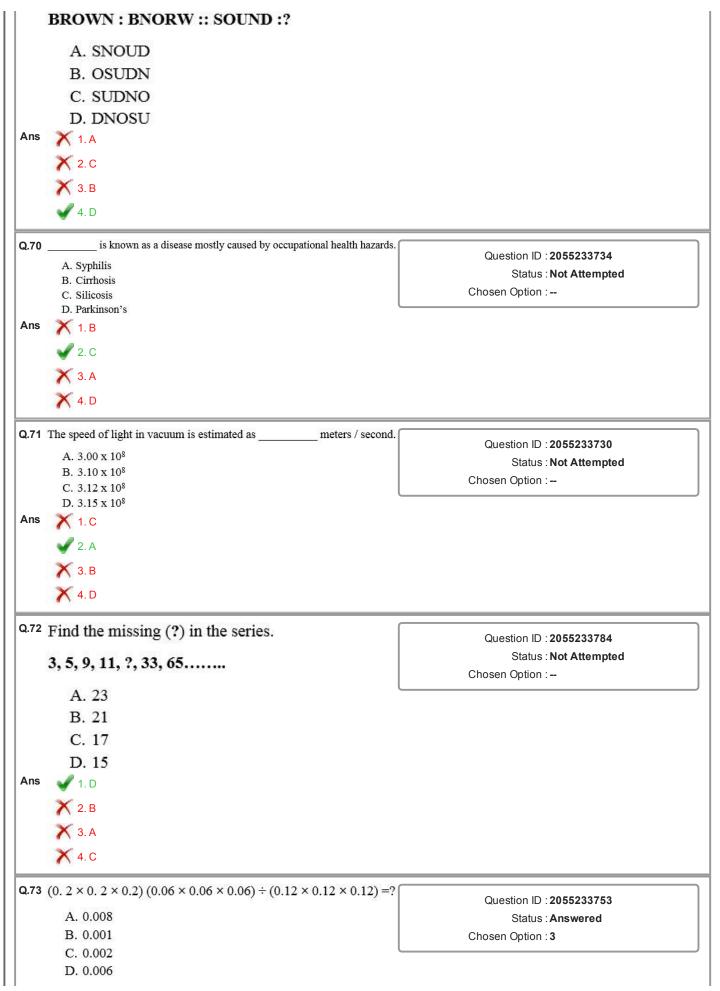
C. G

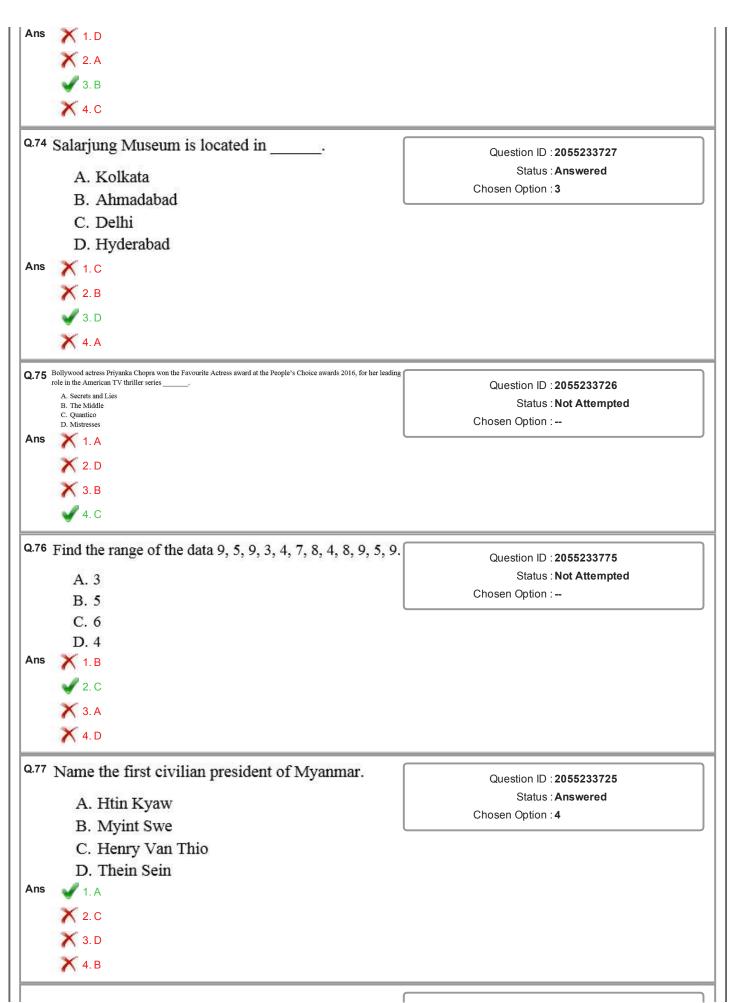
D. H

Question ID: 2055233796 Status: Answered

Chosen Option: 1

Ans X 3. D Comprehension: E, F, G, H and K visit a hospital on week days. Each one of them is a physician, surgeon, dentist, cardiologist, nephrologist but in the random order. Each visits the hospital only one day in the week and attends to their profession only. Consider the following information and answer questions based on it. 1. The physician visits office every Monday. 2. E is the cardiologist who comes neither on Tuesday nor Thursday. 3. K is a surgeon and G is not the physician. 4. The person who visits the office on Thursday is not a nephrologist. 5. H works on a Tuesday and K works on the following day. SubQuestion No: 66 Q.6 The cardiologist visits the office on Question ID: 2055233794 Status: Answered A. Tuesday Chosen Option: 2 B. Wednesday C. Thursday D. Friday Ans X 1. C Q.67 A tap can fill a tank in 50 minutes. If the tank has a leakage which alone is capable of emptying the tank in 2½ hours, the tank will now be filled in ______. Question ID: 2055233758 Status: Not Attempted B. 1 hour 15 mins C. 1 hour 25 mins Chosen Option: --D. 1 hour 30 mins Ans Q.68 How many full member teams were in ICC Cricket World Cup T20 - 2016 other than the host country? Question ID: 2055233718 A Seven B. Eight Status: Answered C. Nine Chosen Option: 2 D. Ten Ans X 4. A Q.69 Question ID: 2055233780 Status: Answered Chosen Option: 1





Q.78 is used in yellow lamp street lights.	Question ID : 2055233731 Status : Answered
A. Neon	Chosen Option : 4
B. Nitrogen	
C. Phosphorous	
D. Sodium	
Ans X 1.B	
★ 2. A	
X 3. C	
√ 4. D	
Q.79 Curd contains mainly acid.	Question ID : 2055233732
A Denneis	Status: Not Attempted
A. Benzoic	Chosen Option :
B. Fumaric	
C. Lactic	
D. Malic	
Ans X 1. A	
★ 2. D	
√ 3. C	
★ 4. B	
Q.80 The cost price of 5 kg of wheat and 10 kg of lentil were at Rs. 70 and Rs. 80 per kg respectively. On selling, he gained 10%	•
on wheat and 20% on sugar. What was the total sale price? A. Rs. 1,375	Question ID : 2055233765
B. Rs. 1,345 C. Rs. 1,400	Status : Not Attempted Chosen Option :
D. Rs. 1,350 Ans 1. D	опосот орионт
2. C	
3. B	
4. A	
Note: For this question, discrepancy is found in question/answer. So, Th is question is ignored for all candidates.	
Q81 The official language of Gon is	
Q.81 The official language of Goa is	Question ID : 2055233714
A. English	Status : Answered
B. Portuguese	Chosen Option : 1
C. Konkani	
D. Marathi	
Ans X 1.A	
× 2. D	
X 3. B	
✓ 4. C	
Q.82 M borrowed some money for 1 year at certain simple interest. But the interest rate was increased to 2% which amounted to Rs. 120. Find the principal amount.	Question ID : 2055233762
A. Rs. 4,000	Status: Not Attempted
D. 12, 2,000	
B. Rs. 5,000 C. Rs. 6,000 D. Rs. 7,000	Chosen Option :
C. Rs. 6,000	

Q.83 If the radius (r) of a circle is increased by 'x' units, what is the number of units by which the circumference of the circle is increased? Question ID: 2055233770 Status: Not Attempted Chosen Option: --D. 2πx Ans Q.84 ISS stands for Question ID: 2055233744 Status: Answered A. International Space Station Chosen Option: 3 B. International Space System C. Indian space Studies D. Inter-Space Spectroscopy Ans X 4. C Q.85 is used in periscope. Question ID: 2055233747 Status: Answered A. Plane mirror Chosen Option: 2 B. Prism C. Concave lens D. Convex lens Ans X 1. B Q.86 Statement followed by some conclusions are given below. Question ID: 2055233797 The search team believes that the plane debris recovered in 2016, near Mozambique was highly likely to be from MH370-Status: Not Attempted Malaysian aircraft which disappeared after take-off in 2014. Chosen Option: --Conclusions The debris found near Mozambique definitely belonged to MH370 aircraft.
 The search team is mistaken about the findings. Find which of the given conclusions logically follows from the given statements A. Only conclusion I follows B. Only conclusion II follows C. Both I and II follow D. Neither I nor II follows Ans √ 4. D

Q.87 Most of the are formed by sand and silt deposited by rivers and sea waves. Question ID: 2055233711 A. Laterite and lateritic soils Status: Not Attempted B. Alluvial soils Chosen Option: --C. Peaty and Marshy soils D. Saline and alkaline soils Ans Q.88 X is the brother of Y. Z is the wife of Y. F is the father of X. E is son of Z. How is E related to F? Question ID: 2055233791 B. Nephew Status: Not Attempted C. Brother Chosen Option: --D. Son Ans X 1. C Q.89 If LIGER is coded as GIRLE, then TEPAL will be coded as Question ID: 2055233783 A. PETAL Status: Not Attempted Chosen Option: --B. PLATE C. PELTA D. PLEAT Ans Q.90 If $\sin\theta = 15/17$, then $\cot\theta = ?$ Question ID: 2055233774 Status: Not Attempted A. 8/17 Chosen Option: --B. 15/8 C. 8/15 D. 17/8 Ans Q.91 There are 3 numbers. The 2nd number is 3 times the 1st. The 3rd is twice the 2nd. If their average is 70, find the smallest of the 3 numbers. Question ID: 2055233777 Status: Not Attempted B. 19 C. 20 Chosen Option: --D. 21 Ans

