

BINARY LOGIC CHAPTER – 6

2. Who among the above three kinds of person can make the following statement – "I am not an alternator?"
 (A) A truth-teller (B) A liar
 (C) An alternator (D) Cannot be determined

Truth-teller : A person who always speaks the truth.
 Liar : A person who always lies.
 Alternator : A person who alternates between truth and lie in any order.

Directions for questions 2 to 4: These questions are based on the following information:

(A) Sheroo robbed the bank.
 (B) Bhayankar is telling the truth.
 (C) Both Santosh and Chola robbed the bank.
 (D) Sheroo did not rob the bank.

Chulul Pandey just received evidence that Bhala is telling the truth. Then which of these statement is true?
 Bhala: Exactly one of us is telling the truth.
 Chola: Sheroo is telling the truth.
 Bhayankar: Santosh is telling the truth.
 Santosh: Sheroo did not rob the bank.
 Sheroo: Bhayankar robbed the bank.
 They made the following statements.
 Bhayankar, Chola, and Bhala about a bank robbery. Questioning five suspects – Sheroo, Santosh, Bhayankar, Chola, and Bhala about a bank robbery. The inspector of police, Chulul Pandey is from the given choices.

Directions for question 1: Select the correct alternative from the given choices.

It was known that exactly one person among the three was a Truth-teller and the other two were Liars. Then who among them must be the Truth-teller?
 (A) A (B) B
 (C) C (D) Cannot be determined

On 'Kya-Kya' island, there are two tribes – Truth-tellers and Liars. Truth-tellers always speak the truth and Liars always lie. One day I met three Kya-Kya islanders A, B and C, and asked them 'Who among you is the truth-teller?'. Following were their replies.
 A : I am not a Liar.
 B : C is not a Liar.
 C : B is a Truth-teller.

Directions for questions 2 to 7: Select the correct alternative from the given choices.

(A) Only I (B) Only I and III
 (C) Only II and III (D) Any one of I, II, III

4. Who among the above three kinds of persons can make the following statement – "I am a truth-teller?"
 I. A truth-teller
 II. A liar
 III. An alternator

3. Who among the above three kinds of person can make the following statement – "I am not a truth-teller?"
 (A) A truth-teller
 (B) A truth-teller or a liar
 (C) A liar or an alternator
 (D) An alternator

Exercise – 6(n)

Example: Among the three persons A, B and C, one is a truth-teller, one is a liar and the other is an alternator. Each of them made the following statements in reply to the question asked about them.
 A : I am not the liar.
 B : I am the liar.
 C : I am the alternator.
 B is the liar.

Truth-teller: A person whose each and every statement is true.

Liar: A person whose each and every statement is false.

Alternator: If first statement of the person is true, the next statement is false or vice versa.
 The question does not specify as to which statement is true or false. It has to be found out by trial and error and by checking for consistency in the given statement. The following illustration helps in understanding the concept.

Solution: The statement 'I am not the liar', could be that of a truth-teller or of a liar or of an alternator. Hence, we cannot find out the nature of A. From the statement of B, i.e., 'I am a liar', it can be concluded that B is the alternator, because neither a truth-teller nor a liar would say that he is a liar. Hence the second statement of B, i.e., 'A is the truth-teller', is true. From the above, it can be concluded that the statement of C, i.e., 'I am the alternator' is false. Hence, C is the liar. Let us check the truth in each of the statements of A, B and C with the help of the conclusions made.

Find out who the truth-teller is and who the alternator is.

C : A got the least. B got 4 coins.
B : I got the least. A got the most.
A : I got 4 coins. C did not get the least number of coins.
Twelve coins were distributed among A, B and C, who always gave two replies to any question. When asked about the distribution of coins, following were their replies:
based on the following information.

Directions for questions 11 to 13: These questions are

10. What is the nature of the statement given by Mohit?
(A) True
(B) False
(C) Cannot be classified as true or false
(D) Cannot be determined
9. Who tells lies?
(A) Jayesh
(B) Mohit
(C) Nitin
(D) Cannot be determined
8. What is the name of the person whose statement can be classified as neither true nor as false?
(A) Mohit
(B) Jayesh
(C) Nitin
(D) Cannot be determined

Nitin : I neither speak the truth nor do I lie.
Jayesh : I am a liar.
Mohit : I am not a liar.
the statements made by them:
cannot be classified as either true or false. Following are truth, one who tells lies and another whose statement is one person who speaks the statement each. There is one person who spoke one Three persons – Mohit, Nitin and Jayesh – gave one based on the following information.

Directions for questions 8 to 10: These questions are

- (D) Bhalu alternated between truth and lie.
(C) Bhalu always spoke the truth.
(B) Only Aalu and Bhalu did not cheat.
(A) Only Aalu and Bhalu cheated.
statements can never be true in any case?
between the truth and lie, then which of the following truth, another always lied and the third alternated if exactly one person among them always spoke Only Kachsalu did not cheat.
Bhalu : I did not cheat.
Both Aalu and Bhalu cheated.
Kachsalu : I did not cheat.
Kachsalu cheated.
Aalu : I did not cheat.

replies were as follows:
cheated. When they were asked who cheated, their found out that at least one person among the three themselves - planning each other for cheating. It was playing poker and suddenly started to quarrel among Three Players – Aalu, Kachsalu and Bhalu-were

- (C) Chandu
(A) Anand
(B) Bharat
(D) Cannot be determined
- Who among these three persons is the Alternator?
Chandru : I am not the Liar. Anand is not the Truth-teller.
Bharat : I am not the Liar. Chandu is the Truth-teller.
Anand : I am the Truth-teller. Bharat is the Liar.
Alternators alternate between truth and lie in any order. Always speak truth, the Liar always lie and the given below. Also, it is known that the Truth-tellers introduce themselves, each of them gave two replies, as Truth-tellers, Liar and Alternator. When asked to each of whom belonged to a different tribe amongst One day I met three persons Anand, Bharat and Chandu

16. John, Johnny and Janardan participated in a race and each won a different medal among Gold, Silver and Bronze, not necessarily in that order. Each person among them gives two replies to any question, one of which is true and the other is false (in any order). When asked about the details of the medals obtained by them, the following were their replies:
John : I won the Gold medal.
Johnny won the Bronze medal

- (C) B, C, A
(A) A, B, C
(B) C, A, B
(D) A, C, B
- the Ugly, respectively?
the persons who had the title the Good, the Bad and Which among the following choices has the names of A is not 'the Good'.
B is 'the Ugly'.
A is not 'the Bad'.
C is 'the Bad'.
B is 'the Ugly'.
A is 'the Good'.
asked about their titles, following were their replies:
alternates between truth and lie (in any order). When another always lied and the last person always Exactly one among them always spoke the truth. Each person always gave two answers to any question. title amongst the Good, the Bad and the Ugly. Also, Each person out of A, B and C had exactly one different

- (C) Sumit
(A) Sameep
(B) Sameep
(D) Cannot be determined
- Who can never be the first runner-up?
truth and lie (not necessarily in that order).
It is also known that one among them always tells the Sameep is the 2nd runner-up.
Sumit : I am the winner.
Sameep is the 2nd runner up.
Sameep : I am the winner.
Sameep is not the 1st runner-up.
Sameep : I am the winner.

14. Sameep, Sameep and Sumit participated in a quiz contest and each one of them received exactly one title amongst the Winner, the First Runner-up and the Second Runner-up. When asked, "Who among you three is the winner?", following were their replies:
Sumit : I am the winner.
Sameep is the 2nd runner up.
Sameep : I am the winner.
Sameep is not the 1st runner-up.
Sameep : I am the winner.

alternative from the given choices.
Directions for questions 14 to 16: Select the correct

- (C) C
(A) A
(B) B
(D) Cannot be determined
13. If the coins were distributed as 1, 2, 5 and 9 then who got the least number of coins?
(A) A
(B) B
(C) C
(D) Cannot be determined
12. If the coins were distributed as 3, 4 and 5, then who can never get three coins?
(A) A
(B) B
(C) C
(D) Cannot be determined
11. If each of them received equal number of coins, then who among them always tells lies?
(A) A
(B) B
(C) C
(D) Cannot be determined

alternates between the truth and lie, in any order.
truth, another always tells and the third person known that one person among them always spoke the Each person received at least one coin. Also, it was

20. Who must be from Saturn?
(A) Eena
(B) Meena
(C) Deeka
(D) Cannot be determined

known that each of them made at least one true statement.
It was known that exactly one amongst them belonged to the planet Jupiter, another belonged to the planet Saturn and the third belonged to the planet Mars. It was also the planet Jupiter, another belonged to the planet Saturn and the third belonged to the planet Mars. It was also known that each of them made at least one true statement.

Directions for questions 20 to 25: These questions are based on the data given below.

21. Who must be from Saturn?
(A) Eena
(B) Meena
(C) Deeka
(D) Cannot be determined

18. Which city did Raman belong to?
(A) Delhi
(B) Mumbai
(C) Chennai
(D) Chennai or Delhi

Based on the above, answer the following questions.
Rajin : Raman is from Mumbai.
Raman : I am from Delhi.
Rajin : I am from Delhi.
Raman : Raman is from Chennai.

Directions for questions 17 to 19: These questions are based on the following information.

John won the Silver medal.
I won the Gold medal.
John won the Silver medal.
I won the Gold medal.
John won the Silver medal.
I won the Gold medal.

John won the Silver medal.
I won the Gold medal.
John won the Silver medal.
I won the Gold medal.
John won the Silver medal.
I won the Gold medal.

27. How is B related to C?
(A) Father
(B) Mother
(C) Brother-in-law
(D) Husband

26. Who always speaks the truth?
(A) A
(B) B
(C) C
(D) D

Directions for questions 26 to 28: These questions are based on the following information.

25. Who are the two persons who always alternate between the truth and lie?
(A) A and D
(B) B and C
(C) D and B
(D) A and C

24. Who among the following always speaks the truth?
(A) A
(B) B
(C) C
(D) D

23. Who among the following plays Cricket?
(A) A
(B) B
(C) C
(D) D

Directions for questions 23 to 25: These questions are based on the following information.

22. Which of the following statements can never be true?
(A) Each of Eena and Meena always spoke the truth.
(B) Each of Eena and Meena spoke one truth and one lie.
(C) Deeka always spoke the truth.
(D) The first statement given by each person was always false.

21. Which planet was Eena from?
(A) Mars
(B) Jupiter
(C) Saturn
(D) Cannot be determined

- (C) Only I and III
 (D) I, II and III
 (B) Only I and II
 (A) Only II

2. Which of the following statements is true?
 I. Alex is in position seven.
 II. All the statements of Bhavna are false.
 III. Alex alternates between true and false statements in that order.

1. What is the position of Bhavna with respect to Alex?
 (A) Immediately behind Alex.
 (B) Two positions behind Alex.
 (C) Three positions ahead of Alex.
 (D) Cannot be determined

Charan: All of Alex's statements are false.
 If I interchange my position with Alex, I would be in position seven.
 Bhavna's first and second statements are true.
 It is known that exactly two of the three persons alternate between truth and lie in any order and Charan is one of them.

Bhavna: I am fourth from the end of the queue.
 The sum of the numbers of our positions is a unit multiple of 3.
 I am exactly between Alex and Charan.

Alex: Charan is three places ahead of me.
 The number of people behind Bhavna is one more than the number of people ahead of Charan.
 If I interchange my position with Charan, I would be in position seven.

When asked about their positions in the queue, they gave the following replies:
 Alex, Bhavna and Charan are standing, not necessarily in that order, in different positions in a queue of 10 people. The numbering in the queue starts with position 1 at the beginning to position 10 at the end of the queue.

Directions for questions 1 to 3: These questions are based on the following information.

Exercise – d(b)

Directions for questions 4 to 6: These questions are based on the following information.

3. Which of the following additional conditions, if true, gives the exact position of the three people?
 (A) Bhavna is not behind Alex.
 (B) Bhavna is immediately behind Alex.
 (C) Charan is not ahead of Bhavna.
 (D) None of the above

- (D) None of the statements can be inferred
 (C) Only II and III
 (B) Only I and III
 (A) Only I
 III. Charan's first statement is false.
 II. Trivedi's second statement is false.
 I. Dwivedi's two statements are true.

30. Which of the following can be inferred from the given information?

- (D) Trivedi, Dwivedi, Charanved
 (C) Dwivedi, Charanved, Trivedi
 (B) Charanved, Trivedi, Dwivedi
 (A) Dwivedi, Trivedi, Charanved

of the row?
 order in which they sat from left end to the right end
 It is also known that a definite arrangement can be obtained by assessing their statements. What is the
 Dwivedi did not sit at the right end.
 Charanved : I did not sit at the left end.

Directions for questions 29 and 30: Select the correct alternative from the given choices.

29. Three Pundits – Dwivedi, Trivedi and Charanved – sat in a row from left to right in some order, consisting of three seats – extreme left, centre and extreme right. Each person gives two replies to any question asked to them, at least one of which is true. There is exactly one person who always speaks the truth. When asked about their respective positions in the row, following were their replies:
 Dwivedi : I sat at the left end.
 Trivedi sat at the centre.
 Trivedi : Dwivedi sat between me and Charanved.
 I sat at the right end.

28. Which of the following statements must be true?
 (A) A's grandmother alternates between the truth and lie.
 (B) C's wife always speaks the truth.
 (C) A's grandfather always speaks the truth.
 (D) B's daughter always tells lies.

6. How long does it take before I reach the airport from the bus-stop?
(A) 45 minutes
(B) 50 minutes
(C) Between 1 hour and 1 hour 30 minutes
(D) 30 minutes
- Directions for questions 7 to 11:** These questions are based on the following information.
- Three teenagers consisting (ages 13 – 19)
Partha, Ajuna, and Szpysaschi when asked how old they are replied in the following manner.
- Partha: Szpysaschi is two years younger than me.
Ajuna lies about his age.
Szpysaschi is between 14 and 18 years of age.
Ajuna: I am 14 years old.
Szpysaschi is 16 years old.
Partha is less than 15 years of age.
- Szpysaschi: Partha is not the oldest.
I am 19 years old.
Partha's third statements is a lie.
- It is known that at any point of time exactly one among the three always speaks the truth, one always lies and one always alternates between truth and lie in any order. Also, no two of them are of the same age.
7. Which of the following must be true?
(A) Partha is the truth – teller.
(B) Ajuna is the truth – teller.
(C) Szpysaschi is the truth – teller.
(D) None of the above
8. If Ajuna is the alternator, then which of the following are true?
(A) Szpysaschi is 16 years old.
(B) Ajuna is 14 years old.
(C) Exactly one of (A) or (B)
(D) Both (A) and (B)
9. Szpysaschi will be 19 years of age when
I. Partha is the liar.
II. Ajuna is the alternator.
III. Szpysaschi is the truth-teller.
(A) Only I
(B) I and either II or III only
(C) Only I and III
(D) Szpysaschi will never be 19 years of age.
10. Which of the following statement(s) is/are definitely false?
(A) Partha's age is 13 years.
(B) Ajuna's age cannot be definitely determined.
(C) Partha's age is 14 years when Szpysaschi's age is 19 years.
(D) All the above statements are false.
11. If Partha is the truth – teller then, which of the following is/are true?
I. Partha's age is 18 years.
II. Ajuna's second statement is true.
III. Szpysaschi's third statement is false.
(A) Only II
(B) Only I and III
(C) Only II and III
(D) I, II and III

Directions for questions 12 to 14: These questions are based on the data given below.

that he works for, they gave the following replies:

- A : C works with Microsoft.
D works with IBM.
B woks with Infosys.
B : A works with IBM.
C works with Infosys.
D works with Oracle.
C : D works with Microsoft.
B woks with Oracle.
A woks with Infosys.
D : B is not working with Infosys.
A is working with IBM.
C is not working with Microsoft.

information. Answer the questions based on the above data.

12. Who among the following works with Microsoft?
(A) A (B) B (C) C (D) D
13. B works with
(A) IBM
(B) Infosys
(C) Microsoft
(D) Oracle
14. Which of the following statements must be false?
(A) D is working with IBM.
(B) The first statements made by A, B and C are false.
(C) C is working in Infosys.
(D) The second statements made by A, B and C are false.

Directions for questions 15 to 17: These questions are based on the data given below.

When I asked them about their respective tanks, following their replies:

Other four tell at least one lie. Exactly one person among at least one true statement. Except one person, all the asked to them. Except one person, all the other four speak these persons always gave three replies to any question amongst Lieutenant, Captain, Colonel, Major and each of whom had exactly one different tank from Ranjeet, Ranmeet, Randeep, Randheer and Ranveer – On the eve of Army Day Parade, I met five Army men –

- | | |
|----------|---------------------------|
| Ranjit : | Ranjit is the Brigadier. |
| | Ranjit is the Major. |
| | Ranjit is the Colonel. |
| Ranjit : | Ranjit is the Major. |
| | Ranjit is the Captain. |
| | Ranjit is the Lieutenant. |
| Ranjit : | Ranjit is the Colonel. |
| | Ranjit is the Brigadier. |
| | Ranjit is the Captain. |
| Ranjit : | Ranjit is the Lieutenant. |
| | Ranjit is the Major. |
| | Ranjit is the Captain. |
| | Ranjit is the Colonel. |
| Ranjit : | Ranjit is the Major. |
| | I am the Lieutenant. |

18. Who belong to the Tmes category?
 (A) A (B) B (C) C (D) D

In any category, either each member has a telephone or none has a telephone.

D (Allies):
 I. The Liars have telephones.
 II. I belong to Allies.

C (Allies):
 I. I do not have a telephone.
 II. Only one of us has a telephone.

B (Liars):
 I. I belong to Tmes.
 II. I do not have a telephone.

A (Tmes):
 I. Allies have telephones.
 II. I have a telephone.

badges is given in brackets.

statements made by each of them. The category on their badge attached to his shirt with the name of a category to which he does not belong. The following are the availability of telephone with them. Each person has a group belongs to a different category. He asks them about across a group of four people, where each member of the has to make a telephone call to True Villa. He comes a person from True Villa who visited the True island false and make alternate false and true statements. true and false statements and Allies, whose first statement is false; Allies, whose first statement is true and make alternate namely Tmes, who always speak the truth; Liars, who always On True-Lies island, there are four categories of people based on the data given below.

Directions for questions 18 to 20: These questions are

Army men		Ranks	
(i) Ranjeet	(a) Lieutenant	(i) Ranjeet	(a) Lieutenant
(ii) Ranmeet	(b) Captain	(ii) Ranmeet	(b) Captain
(iii) Ranpreet	(c) Colonel	(iii) Ranpreet	(c) Colonel
(iv) Ranbheer	(d) Major	(iv) Ranbheer	(d) Major
(v) Ranveer	(e) Brigadier	(v) Ranveer	(e) Brigadier
(A) (i) – – (a)	(B) (i) – – (b)	(A) (i) – – (a)	(B) (i) – – (b)
(ii) – – (b)	(ii) – – (c)	(ii) – – (b)	(ii) – – (c)
(iii) – – (c)	(iii) – – (e)	(iii) – – (c)	(iii) – – (e)
(iv) – – (d)	(iv) – – (a)	(iv) – – (d)	(iv) – – (a)
(v) – – (e)	(v) – – (b)	(v) – – (e)	(v) – – (b)
(C) (i) – – (c)	(D) (i) – – (c)	(i) – – (c)	(D) (i) – – (c)
(ii) – – (e)	(ii) – – (d)	(ii) – – (e)	(ii) – – (d)
(iii) – – (b)	(iii) – – (b)	(iii) – – (b)	(iii) – – (b)
(iv) – – (d)	(iv) – – (e)	(iv) – – (d)	(iv) – – (e)
(v) – – (a)	(v) – – (a)	(v) – – (a)	(v) – – (a)

17. Match the following:

What is the rank of the person who alternates between the truth and lie in any order?
 (A) Brigadier (B) Captain (C) Major (D) Colonel

16. What is the rank of the person who alternates and lie?
 (A) Ranjeet (B) Ranpreet (C) Ranbheer (D) Ranmeet

15. Who among the following always speaks one truth and tell two lies but does not alternate between truth

Only one definite arrangement exists based on their statements, which gives out their ranks.

exactly two persons is false. When asked about the true and false, in any order. The first statement made by the three statements given by each person are alternately them gives three statements to any question, such that other in terms of height, weight, age and wealth. Each of John, James, Jack and Jeremy are compared with each based on the information given below.

Directions for questions 24 to 26: These questions are

(A) Only I
 (B) Only II
 (C) Any two of the above three
 (D) Only III

III. There is no truth teller.
 II. There are exactly two alternators.
 I. There are exactly two liars.

23. From which of the given conditions, we will get a complete idea about them?
 From which of the given conditions, we will get a

(A) Pingo
 (B) Bingo
 (C) Mingo
 (D) Cannot be determined

22. If there is only one Liar and he is not Bingo, then who is the Engineer?
 (A) Pingo (B) Bingo (C) Mingo (D) Cannot be determined

(A) Bingo (B) Mingo
 (C) Pingo (D) Either (A) or (B)

21. If Tingo is the Manager, then who is the Chartered Accountant?

same profession.

It is also known that their professions are one among Manager, Engineer, Chartered Accountant and Professor (may not be in that order). And no two persons are of the

Bingo is a liar.

Pingo : I am the Professor.

Pingo is the Engineer.

Tingo : I am a truth-teller.

Professor is an alternator.

I am the Engineer.

Mingo : I am a truth-teller.

Tingo is the Chartered Accountant.

I am the Manager.

Bingo : I am a truth-teller.

professions. the following statements when they are asked about their alternates among truth and lie, in any order). They made truth). Liars (who always lie) and the alternators (who the following Category – Truth-tellers (who always speaks and Pingo. Each member of that family belongs to one of In a family, there are four members Bingo, Tingo, Mingo based on the following information.

Directions for questions 21 to 23: These questions are

20. How many categories have a telephone?
 (A) 0 (B) 1 (C) 2 (D) 3

(C) Both B and C have telephones.
 (D) Neither B nor C has a telephone.

19. Which of the following is true?
 (A) B has a telephone.
 (B) C has a telephone.

1.	D	6.	B	11.	D	16.	D	21.	C	26.	C
2.	B	7.	D	12.	A	17.	D	22.	C	27.	A
3.	B	8.	C	13.	D	18.	B	23.	C	28.	C
4.	D	9.	C	14.	D	19.	B	24.	C	29.	D
5.	A	10.	C	15.	C	20.	B	25.	B	30.	A

Exercise – d(b)

1.	A	6.	C	11.	B	16.	B	21.	D	26.	B
2.	D	7.	C	12.	C	17.	C	22.	D	27.	D
3.	D	8.	B	13.	B	18.	B	23.	B	28.	D
4.	D	9.	C	14.	B	19.	C	24.	C	29.	C
5.	A	10.	A	15.	D	20.	B	25.	C	30.	D

Exercise – d(a)

(an invigilator speaks truth and lie in any order)
 Each of 'A', 'B' and 'C' is one of a different category among truth teller, liar and invigilator, not necessarily in that order.

Each of these colleges is located in a different city among Delhi, Mumbai and Goa and each of them has a different rank among one, six and twenty-four, not necessarily in that order.

Each of the students 'A', 'B' and 'C' is from a different colleges among BIT, NIT and IIT majoring in a different stream among Civil, ECE and Mech, not necessarily in that order.

26. How many persons weigh more than James?
 (A) Zero
 (B) One
 (C) Two
 (D) Three

27. Who is elder, wealthier, heavier, but shorter, than James?
 I. Jack
 II. Jeremy
 III. John
 (A) Only I
 (B) Only II
 (C) Only III
 (D) II and III

28. Who among the following is the 2nd heaviest?
 (A) John
 (B) Jack
 (C) Jeremy
 (D) James

It is also known that no person gets the same rank (or position) in any two of the four comparisons and no comparison has two persons having the same rank.

Jeremy is the 2nd youngest.
 James : I am the tallest.
 John is the eldest.
 Jack is the poorest.
 Jeremy : James is the lightest.
 John is the second tallest.
 I am the youngest.
 Jeremy is the shortest.
 James is the richest.
 Jack is the heaviest.
 John : I am the tallest.

characteristic possessed by each of them, following were their replies:

The following are the statements made by 'A', 'B' and 'C':
 A:
 I am a truth teller
 I am from BIT.
 B is studying in a college located in Delhi.
 C is majoring in Mech.
 My college is not ranked sixth.

B:
 I am from BIT.
 C is from IIT.
 A is majoring in Civil.
 IIT is ranked sixth.
 I am from NIT and it is not ranked first.
 I am an invigilator.

C:
 My college is ranked sixth.
 A studied in NIT which is located in Goa.
 I am not majoring in Mech.
 B is not majoring in ECE.
 IIT is ranked first.
 A is a truth teller.

27. In which stream is B majoring?
 (A) Civil
 (B) Mech
 (C) ECE
 (D) Cannot be uniquely determined

28. In which stream is A majoring?
 (A) Civil
 (B) Mech
 (C) ECE
 (D) Cannot be uniquely determined

29. What is the rank of the college located in Delhi?
 (A) 6
 (B) 24
 (C) 1
 (D) Cannot be uniquely determined

30. If the college in Goa is ranked 24, then what is the college located in Mumbai?
 (A) NIT
 (B) BIT
 (C) IIT
 (D) Cannot be uniquely determined