

PERCENTILE CLASSES

Statement and Assumption/ Making Judgments/ Artificial Language/ Ranking Based

In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Give answer

- (A) If only assumption I is implicit (B) If only assumption II is implicit (C) If either I or II is implicit (D) If neither I nor II is implicit (E) If both I and II are implicit.*

1. *Statement: "You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation." - A line in an appointment letter.*
Assumptions:
The performance of an individual generally is not known at the time of appointment offer.
Generally an individual tries to prove his worth in the probation period.

2. *Statement: It is desirable to put the child in school at the age of 5 or so.*
Assumptions:
At that age the child reaches appropriate level of development and is ready to learn.
The schools do not admit children after six years of age.

3. *Statement: "In order to bring punctuality in our office, we must provide conveyance allowance to our employees." - In charge of a company tells Personnel Manager.*
Assumptions:
Conveyance allowance will not help in bringing punctuality.
Discipline and reward should always go hand in hand.

4. *Statement: Unemployment allowance should be given to all unemployed Indian youth above 18 years of age.*
Assumptions:
There are unemployed youth in India who needs monetary support.
The government has sufficient funds to provide allowance to all unemployed youth.

5. *Statement: "If you trouble me, I will slap you." - A mother warns her child.*
Assumptions:
With the warning, the child may stop troubling her.
All children are basically naughty.

6. *Statement: The State government has decided to appoint four thousand primary school teachers during the next financial year.*
Assumptions:
There are enough schools in the state to accommodate four thousand additional primary school teachers.
The eligible candidates may not be interested to apply as the government may not finally appoint such a large number of primary school teachers.

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7. *Statement: A warning in a train compartment - "To stop train, pull chain. Penalty for improper use Rs. 500."*
Assumptions:
Some people misuse the alarm chain.
On certain occasions, people may want to stop a running train.
-
8. *Statement: If it is easy to become an engineer, I don't want to be an engineer.*
Assumptions:
An individual aspires to be professional.
One desires to achieve a thing which is hard earned.
-
9. *Statement: The concession in rail fares for the journey to hill stations has been cancelled because it is not needed for people who can spend their holidays there.*
Assumptions:
Railways should give concession only to needy persons.
Railways should not encourage people to spend their holidays at hill stations.
-
10. *Statement: "The bridge was built at the cost of Rs. 128 crores and even civil bus service is not utilizing it, what a pity to see it grossly underutilized." - A citizen's view on a new flyover linking east and west sides of a suburb.*
Assumptions:
The building of such bridges does not serve any public objective.
There has to be some accountability and utility of money spent on public projects.
-
11. *Statement: The Government has decided to levy 2 percent on the tax amount payable for funding drought relief programmes.*
Assumptions:
The Government does not have sufficient money to fund drought relief programmes.
The amount collected by way of surcharge may be adequate to fund these drought relief programmes.
-
12. *Statement: Detergents should be used to clean clothes.*
Assumptions: Detergents form more lather.
Detergents help to dislodge grease and dirt.
-
13. *Statement: It will be a substantial achievement in the field of education if one provides one school for every village in our country and enforce attendance.*
Assumptions:
Children in villages do not attend school regularly.
Providing school to every village is desirable.
-
14. *Statement: The government has decided to disinvest large chunk of its equity in select public sector undertakings for a better fiscal management.*
Assumptions:
The amount generated out of the disinvestment process may reduce substantially the mounting fiscal deficits.
There will be enough demand in the market for the shares of these undertakings.
-
15. *Statement: Never before such a lucid book was available on the topic.*
Assumptions:
Some other books were available on this topic.
You can write lucid books on very few topics.
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16. Statement: *Please do not use lift while going down - an instruction on the top floor of a five-storey building.*
Assumptions:
While going down, the lift is unable to carry any load.
Provision of lift is a matter of facility and not of right.
-
17. Statement: *"I have not received telephone bills for nine months inspite of several complaints" - A telephone customer's letter to the editor of a daily*
Assumptions:
Every customer has a right to get bills regularly from the telephone company.
The customer's complaints point to defect in the services which are expected to be corrected.
-
18. Statement: *"This drink can be had either as it is, or after adding ice to it." - An advertisement.*
Assumptions:
People differ in their preferences.
Some people will get attracted to the drink as it can be had as it is.
-
19. Statement: *Government has permitted unaided colleges to increase their fees.*
Assumptions:
Unaided colleges are in financial difficulties.
Aided colleges do not need to increase fees.
-
20. Statement: *Be humble even after being victorious.*
Assumptions:
Many people are humble after being victorious.
Generally people are not humble.
-
21. Statement: *"To keep myself up-to-date, I always listen to 9.00 p.m. news on radio."- A candidate tells the interview board.*
Assumptions:
The candidate does not read newspaper.
Recent news is broadcast only on radio.
-
22. Statement: *The entire north India, including Delhi and the neighbouring states remained 'powerless' the whole day of 19th December as the northern grid supplying electricity to the seven states collapsed yet again.*
Assumptions:
The northern grid had collapsed earlier.
The grid system of providing electricity to a group of states is an ineffective type of power supply system.
-
23. Statement: *Believe me, I have read it in newspaper X.*
Assumptions:
Newspaper X gives reliable information/news.
I am reporting exactly as it is given in newspaper X.
-
24. Statement: *Many people have expressed surprise as the princess has broken the royal tradition of marriage by choosing a commoner as her life partner.*
Assumptions:
People expect royal families to observe customs and traditions.
People still value 'purity of royal blood' and 'status' when it comes to a marriage of members of royal family.
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25. *Statement: Highly brilliant and industrious students do not always excel in the written examination.*
Assumptions:
The written examination is good mainly for mediocre students.
The brilliant and industrious students cannot always write good answers in the exam
26. *Statement: All the employees are notified that the organisation will provide transport facilities at half cost from the nearby railway station to the office except those who have been provided with travelling allowance.*
Assumptions:
Most of the employees will travel by the office transport.
Those who are provided with travelling allowance will not read such notice.
-
27. *Statement: The government has decided to hold the employers responsible for deducting tax at source for all its employees.*
Assumptions:
The employees may still not arrange to deduct tax at source for its employees.
The employees may not allow the employers to deduct tax at source.
-
28. *Statement: Whenever you have any doubt on this subject, you may refer to the book by Enn and Enn.*
Assumptions:
The book by Enn and Enn is available.
There is no other book on this subject.
-
29. *Statement: I can take you quickly from Kanpur to Lucknow by my cab but then you must pay me double the normal charges,*
Assumptions:
Normally, it will take more time to reach Lucknow from Kanpur.
People want to reach quickly but they will not pay extra money for it.
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30. *Statement: "I would like to study the impact of pay revision on job satisfaction of employees." - A tells B.*
Assumptions:
Job satisfaction can be measured.
A has necessary competence to undertake such study.
31. *Statement: A Notice Board at a ticket window: Please come in queue.'*
Assumptions:
Unless instructed people will not form queue.
People any way want to purchase tickets.
-
32. *Statement: Children, who get encouragement, usually perform better. - A note by the Principal to the parents.*
Assumptions:
Some parents do not encourage children.
Parents may follow Principal's advice.
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33. *Statement: "According to me, you should get your child examined by a specialist doctor." - A tells B.*
Assumptions:
Specialist doctors are able to diagnose better than ordinary doctors.
B will certainly not agree with as advice.
-
34. *Statement: The government is making efforts to boost tourism in State X.*
Assumptions:

*Tourism in State X dropped following political unrest.
Special discounts in the air fare have been announced.*

35. *Statement: "Best way to solve this problem of workers' dissatisfaction is to offer them cash rewards. If this type of incentive can solve the problem in CIDCO Company then why not here." - A Personnel Manager tells the Chairman of a company.*

Assumptions:

*The reason for workers' dissatisfaction in both the companies was similar.
Monetary incentives have universal appeal.*

36. *Statement: Do not copy our software without our permission - A notice.*

Assumptions:

*It is possible to copy the software.
Such warning will have some effect.*

37. *Statement: Retired persons should not be appointed for executive posts in other organisations.*

Assumptions:

*Retired persons may lack the zeal and commitment to carry out executive's work.
Retired persons do not take interest in the work and welfare of the new organisation.*

38. *Statement: "In my absence, I request you to look after the affairs of our company." - B tells C.*

Assumptions:

*C may not accept the request of B.
C has the expertise to handle the affairs of the company.*

39. *Statement: An announcement: Passengers in their own interest are advised to fasten their seat belts while seated in the trolley of the ropeway.*

Assumptions:

*People are always careful about their own safety.
Unless advised, passengers might not use the seat belts.*

40. *Statement: "Banking services are fine tuned to meet growing business needs," - An advertisement.*

Assumptions:

*Banking is a part of business activity
Industrialists prefer better banking services.*

Making Judgments :

Each question presents a situation and asks you to make a judgment regarding that particular circumstance. Choose an answer based on given information.

41. *Eileen is planning a special birthday dinner for her husband's 35th birthday. She wants the evening to be memorable, but her husband is a simple man who would rather be in jeans at a baseball game than in a suit at a fancy restaurant. Which restaurant below should Eileen choose?*

- A. *Alfredo's offers fine Italian cuisine and an elegant Tuscan decor. Patrons will feel as though they've spent the evening in a luxurious Italian villa.*
- B. *Pancho's Mexican Buffet is an all-you-can-eat family style smorgasbord with the best tacos in town.*

- C. The Parisian Bistro is a four-star French restaurant where guests are treated like royalty. Chef Dilbert Olay is famous for his beef bourguignon.
- D. Marty's serves delicious, hearty meals in a charming setting reminiscent of a baseball clubhouse in honor of the owner, Marty Lester, a former major league baseball all-star.

42. *The film director wants an actress for the lead role of Lucy who perfectly fits the description that appears in the original screenplay. He is not willing to consider actresses who do not resemble the character as she is described in the screenplay, no matter how talented they are. The screenplay describes Lucy as an average-sized, forty something redhead, with deep brown eyes, very fair skin, and a brilliant smile. The casting agent has four actresses in mind.*

Actress #1 is a stunning red-haired beauty who is 5'9" and in her mid-twenties. Her eyes are brown and she has an olive complexion.

Actress #2 has red hair, big brown eyes, and a fair complexion. She is in her mid-forties and is 5'5".

Actress #3 is 5'4" and of medium build. She has red hair, brown eyes, and is in her early forties.

Actress #4 is a blue-eyed redhead in her early thirties. She's of very slight build and stands at 5'.

- A. 1, 2
- B. 2, 3
- C. 1, 4
- D. 2, 4

43. *The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?*

- A. A girl is sitting glumly on a bench reading a book and not interacting with her peers.
- B. Four girls are surrounding another girl and seem to have possession of her backpack.
- C. Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
- D. Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

44. *Mrs. Carson took a taxi to meet her three friends for lunch. They were waiting for her outside the restaurant when she pulled up in the car. She was so excited to see her friends that she left her tote bag in the taxi. As the taxi pulled away, she and her friends took notice of the license plate number so they would be able to identify the car when they*

called the taxi company.

#1: The four women seem to agree that the plate starts out with the letter J.

#2: Three of them agree that the plate ends with 12L.

#3: Three of them think that the second letter is X, and a different three think that the third letter is K.

The four license plate numbers below represent what each of the four women thinks she saw. Which one is most likely the license plate number of the taxi?

- A. JXK 12L
- B. JYK 12L
- C. JXK 12I
- D. JXX 12L

45. Zachary has invited his three buddies over to watch the basketball game on his wide-screen television. They are all hungry, but no one wants to leave to get food. Just as they are arguing about who should make the food run, a commercial comes on for a local pizzeria that delivers. The phone number flashes on the screen briefly and they all try to remember it. By the time Zachary grabs a pen and paper, each of them recollects a different number.

#1: All of the men agree that the first three numbers are 995.

#2: Three of them agree that the fourth number is 9.

#3: Three agree that the fifth number is 2.

#4: Three agree that the sixth number is 6; three others agree that the seventh number is also 6.

Which of the numbers is most likely the telephone number of the pizzeria?

- A. 995-9266
- B. 995-9336
- C. 995-9268
- D. 995-8266

46. Mark is working with a realtor to find a location for the toy store he plans to open in his town. He is looking for a place that is either in, or not too far from, the center of town and one that would attract the right kind of foot traffic. Which of the following locations should Mark's realtor call to his attention?

- A. a storefront in a new high-rise building near the train station in the center of town whose occupants are mainly young, childless professionals who use the train to commute to their offices each day.
- B. a little shop three blocks away from the town's main street, located across the street from an elementary school and next door to an ice cream store
- C. a stand-alone storefront on a quiet residential street ten blocks away from the town's center
- D. a storefront in a small strip mall located on the outskirts of town that is also occupied by a pharmacy and a dry cleaner

47. The neighborhood block association has received many complaints about people knocking on doors and soliciting money for an unknown charity organization even though door-to-door solicitation is prohibited by local laws. Three residents have provided descriptions of individuals who have come to their door asking for money.
- Solicitor #1 is a white male, 20-25 years old, 5'9", 145 pounds, with very short brown hair. He was wearing a dark blue suit and carrying a brown leather briefcase.**
- Solicitor #2 is a white male, 25-30 years old, 6'2", 200 pounds, with a shaved-head. He was wearing a red T-shirt and jeans.**
- Solicitor #3 is a white male, approximately 23 years old, 5'10", slight build, with short brown hair. He was wearing a blue suit.**
- Three days after the block association meeting, a resident noticed a man knocking on doors in the neighborhood and phoned the police to report the illegal activity. This solicitor was described as follows:**
- Solicitor #4 is a white male, 22 years old, 140 pounds, about 5'10", with short brown hair. He was carrying a briefcase and wearing a dark suit.**
- Based on this description, which of the three solicitations was also likely carried out by Solicitor #4?**
- A. #1, #2, and #3
 - B. #1, but not #2 and #3
 - C. #1 and #3, but not #2
 - D. #1 and #2, but not #3
-
48. Rita, an accomplished pastry chef who is well known for her artistic and exquisite wedding cakes, opened a bakery one year ago and is surprised that business has been so slow. A consultant she hired to conduct market research has reported that the local population doesn't think of her shop as one they would visit on a daily basis but rather a place they'd visit if they were celebrating a special occasion. Which of the following strategies should Rita employ to increase her daily business?
- A. making coupons available that entitle the coupon holder to receive a 25% discount on wedding, anniversary, or birthday cakes
 - B. exhibiting at the next Bridal Expo and having pieces of one of her wedding cakes available for tasting
 - C. placing a series of ads in the local newspaper that advertise the wide array of breads
 - D. moving the bakery to the other side of town
-
49. Dr. Miller has a busy pediatric dentistry practice and she needs a skilled, reliable hygienist to keep things running smoothly. The last two people she hired were recommended by top dentists in the area, but they each lasted less than one month. She is now in desperate need of a hygienist who can competently handle the specific challenges of her practice. Which one of the following candidates should Dr. Miller consider most seriously?
- A. Marilyn has been a hygienist for fifteen years, and her current employer, who is about to retire, says she is the best in the business. The clientele she has worked with consists of some of the wealthiest and most powerful citizens in the county.
 - B. Lindy recently graduated at the top of her class from one of the best dental hygiene programs in the state. Prior to becoming a dental hygienist, Lindy spent two years working in a day care center.
 - C. James has worked as a dental hygienist for three years in a public health clinic. He is very interested in securing a position in a private dental office.

- Kathy is an experienced and highly recommended dental hygienist who is also finishing up a degree in early childhood education, which she hopes will get her a job as a preschool teacher. She is eager to find a job in a pediatric practice, since she has always wanted to work with children.

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50. Mrs. Jansen recently moved to Arizona. She wants to fill her new backyard with flowering plants. Although she is an experienced gardener, she isn't very well-versed in what plants will do well in the Arizona climate. Also, there is a big tree in her backyard making for shady conditions and she isn't sure what plants will thrive without much direct sunlight. Her favorite gardening catalog offers several backyard seed packages. Which one should Mrs. Jansen choose?
- A. The Rainbow Collection is ideal for North-east gardens. It includes a variety of colorful perennials that thrive in cool, moist conditions.
 - B. The Greenhouse Collection will blossom year after year if planted in brightly lit locations and watered regularly.
 - C. The Treehouse Collection will provide lush green plants with delicate colorful flowers that thrive in shady and partially shady locations.
 - D. The Oasis Collection includes a variety of perennials that thrive in dry climates and bright sunlight.

Artificial Language

First, you will be given a list of three "nonsense" words and their English word meanings. The question(s) that follow will ask you to reverse the process and translate an English word into the artificial language.

51. Here are some words translated from an artificial language.

gorblflur means fan belt

pixngorbl means ceiling fan

arthtusl means tile roof

Which word could mean "ceiling tile"?

- A. gorbtlusl
- B. flurgorbl
- C. arthflur
- D. pixnarth

-
52. Here are some words translated from an artificial language.

hapllesh means cloudburst

srenchoch means pinball

resbosrench means ninepin

Which word could mean "cloud nine"?

- A. leshsrench
- B. ochhapl
- C. haploch
- D. haplresbo

-
53. Here are some words translated from an artificial language.

agnoscenia means poisonous spider

delanocrenia means poisonous snake

agnosdeery means brown spider

Which word could mean "black widow spider"?

- A. deeryclostagnos
- B. agnosdelano

54. Here are some words translated from an artificial language.

moolokarn means blue sky

wilkospadi means bicycle race

moolowilko means blue bicycle

Which word could mean "racecar"?

A. wilkozwet

B. spadiwilko

C. moolobreil

D. spadivolo

55. Here are some words translated from an artificial language.

migenlasan means cupboard

lasanpoen means boardwalk

cuopdansa means pullman

Which word could mean "walkway"?

A. poenmigen

B. cuopeisel

C. lasandansa

D. poenforc

56. Here are some words translated from an artificial language.

godabim means kidney stones

romzbim means kidney beans

romzbako means wax beans

Which word could mean "wax statue"?

A. godaromz

B. lazvim

C. wasibako

D. romzpeo

57. Here are some words translated from an artificial language.

granamelke means big tree

pinimelke means little tree

melkehoon means tree house

Which word could mean "big house"?

A. granahoon

B. pinishur

C. pinihoon

D. melkegrana

58. Here are some words translated from an artificial language.

daftafoni means advisement

imodafta means misadvise

imolokti means misconduct

Which word could mean "statement"?

A. kratafoni

B. kratadafta

C. loktifoni

D. daftaimo

59. Here are some words translated from an artificial language.

lelibroon means yellow hat

plekafroti means flower garden

frotimix means garden salad

Which word could mean "yellow flower"?

A. lelifroti

B. lelipleka

C. plekabroon

D. frotibroon

60. Here are some words translated from an artificial language.

myncabel means saddle horse

conowir means trail ride

cabelalma means horse blanket

Which word could mean "horse ride"?

A. cabelwir

B. conocabel

C. almamyn

D. conoalma

Mathematicians are assigned a number called Erdos number (named after the famous mathematician, Paul Erdos). Only Paul Erdos himself has an Erdos number of zero. Any mathematician who has written a research paper with Erdos has an Erdos number of 1. For other mathematicians, the calculation of his/her Erdos number is illustrated below:

Suppose that a mathematician X has co-authored papers with several other mathematicians. From among them, mathematician Y has the smallest Erdos number. Let the Erdos number of Y be y . Then X has an Erdos number of $y+1$. Hence any mathematician with no co-authorship chain connected to Erdos has an Erdos number of infinity.

In a seven day long mini-conference organized in memory of Paul Erdos, a close group of eight mathematicians, call them A, B, C, D, E, F, G and H, discussed some research problems. At the beginning of the conference, A was the only participant who had an infinite Erdos number. Nobody had an Erdos number less than that of F.

. On the third day of the conference F co-authored a paper jointly with A and C. This reduced the average Erdos number of the group of eight mathematicians to 3. The Erdos numbers of B, D, E, G and H remained unchanged with the writing of this paper. Further, no other co-authorship among any three members would have reduced the average Erdos number of the group of eight to as low as 3.

. At the end of the third day, five members of this group had identical Erdos numbers while the other three had Erdos numbers distinct from each other.

. On the fifth day, E co-authored a paper with F which reduced the group's average Erdos number by 0.5. The Erdos numbers of the remaining six were unchanged with the writing of this paper. . No other paper was written during the conference.

61. How many participants in the conference did not change their erdos number during the conference?

A. 2

B. 3

C. 4

D. 5

E. Cannot be determined

62. The person having the largest Erdos number at the end of the conference must have had Erdos number (at that time):

- A. 5 B. 7 C. 9 D. 14 E. 15

63. How many participants had the same Erdos number at the beginning of the conference?

- A. 2 B. 3 C. 4 D. 5 E. Cannot be determined

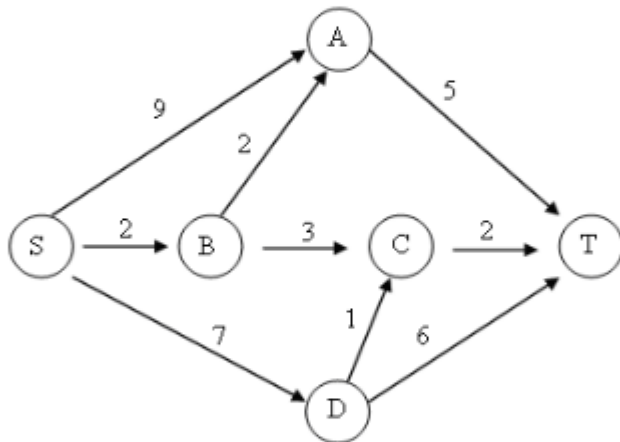
64. The Erdos number of C at the end of the conference was:

- A. 1 B. 2 C. 3 D. 4 E. 5

65. The Erdos number of E at the beginning of the conference was:

- A. 2 B. 5 C. 6 D. 7 E. 8

A significant amount of traffic flows from point S to point T in the one-way street network shown below. Points A, B, C, and D are junctions in the network, and the arrows mark the direction of traffic flow. The fuel cost in rupees for travelling along a street is indicated by the number adjacent to the arrow representing the street. Motorists travelling from point S to point T would obviously take the route for which the total cost of travelling is the minimum. If two or more routes have the same least travel cost, then motorists are indifferent between them. Hence, the traffic gets evenly distributed among all the least cost routes. The government can control the flow of traffic only by levying appropriate toll at each junction. For example, if a motorist takes the route S-A-T (using junction A alone), then the total cost of travel would be Rs. 14 (i.e. Rs. 9 + Rs. 5) plus the toll charged at junction A.



66. If the government wants to ensure that all motorists travelling from S to T pay the same amount (fuel costs and toll combined) regardless of the route they choose and the street from B to C is under repairs (and hence unusable), then a feasible set of toll charged (in rupees) at junctions A, B, C, and D respectively to achieve this goal is:

- A. 2, 5, 3, 2 B. 0, 5, 3, 1 C. 1, 5, 3, 2 D. 2, 3, 5, 1 E. 1, 3, 5, 1

67. If the government wants to ensure that no traffic flows on the street from D to T, while equal amount of traffic flows through junctions A and C, then a feasible set of toll charged (in rupees) at junctions A, B, C, and D respectively to achieve this goal is:

- A. 1, 5, 3, 3 B. 1, 4, 4, 3 C. 1, 5, 4, 2 D. 0, 5, 2, 3 E. 0, 5, 2, 2

68. If the government wants to ensure that all routes from S to T get the same amount of traffic, then a feasible set of toll charged (in rupees) at junctions A, B, C, and D respectively to achieve this goal is:

- A. 0, 5, 2, 2 B. 0, 5, 4, 4 C. 1, 5, 3, 3 D. 1, 5, 3, 2 E. 1, 5, 4, 2

69. If the government wants to ensure that the traffic at S gets evenly distributed along streets from S to A, from S to B, and from S to D, then a feasible set of toll charged (in rupees) at junctions A, B, C, and D respectively to achieve this goal is:

- A. 0, 5, 4, 1 B. 0, 5, 2, 2 C. 1, 5, 3, 3 D. 1, 5, 3, 2 E. 0, 4, 3, 2

70. The government wants to devise a toll policy such that the total cost to the commuters per trip is minimized. The policy should also ensure that not more than 70% per cent of the total traffic passes through junction B. The cost incurred by the commuter travelling from point S to point T under this policy will be:

- A. Rs. 7 B. Rs. 9 C. Rs. 10 D. Rs. 13 E. Rs. 14

In the table below is the listing of players, seeded from highest (#1) to lowest (#32), who are due to play in an Association of Tennis Players (ATP) tournament for women. This tournament has four knockout rounds before the final, i.e., first round, second round, quarterfinals, and semi-finals. In the first round, the highest seeded player plays the lowest seeded player (seed # 32) which is designated match No. 1 of first round; the 2nd seeded player plays the 31st seeded player which is designated match No. 2 of the first round, and so on. Thus, for instance, match No. 16 of first round is to be played between 16th seeded player and the 17th seeded player. In the second round, the winner of match No. 1 of first round plays the winner of match No. 16 of first round and is designated match No. 1 of second round. Similarly, the winner of match No. 2 of first round plays the winner of match No. 15 of first round, and is designated match No. 2 of second round. Thus, for instance, match No. 8 of the second round is to be played between the winner of match No. 8 of first round and the winner of match No. 9 of first round. The same pattern is followed for later rounds as well.

Seed (#)	Name of Player	Seed (#)	Name of Player	Seed (#)	Name of Player
1	Mario Sharapova	12	Mary Pierce	23	Silvia Farina Elia
2	Lindsay Davenport	13	Anastasia Myskina	24	Tatiana Golovin
3	Amelie Mauresmo	14	Alicia Molik	25	Shinobu Asagoe
4	Kim Clijsters	15	Nathalie Dechy	26	Francesca Schiavone
5	Svetlana Kuznetsova	16	Elina Bovina	27	Nicole Vaidisova
6	Elena Dementieva	17	Jelena Jankovic	28	Gisela Dulko
7	Justine Henin	18	Ana Ivanovic	29	Flavia Pennetta
8	Serena Williams	19	Vera Zvonareva	30	Anna Chakvetadze
9	Nadia Petrova	20	Elena Likhovtseva	31	Ai Sugiyama
10	Venus Williams	21	Daniela Hantuchova	32	Anna-Lena Groenefeld
11	Patty Schnyder	22	Dinara Safina		

71. If there are no upsets (a lower seeded player beating a higher seeded player) in the first round, and only match Nos. 6, 7, and 8 of the second round result in

upsets, then who would meet Lindsay Davenport in quarter finals, in case Davenport reaches quarter finals?

- A. (1) Justine Henin
B. (2) Nadia Petrova
C. (3) Patty Schnyder
D. (4) Venus Williams

72. If Elena Dementieva and Serena Williams lose in the second round, while Justine Henin and Nadia Petrova make it to the semifinals, then who would play Maria

Sharapova in the quarterfinals, in the event Sharapova reaches quarterfinals?

- A. Dinara Safina
- B. (2)Justine Henin
- C. Nadia Petrova
- D. Patty Schnyder

73. If, in the first round, all even numbered matches (and none of the odd numbered ones) result in upsets, and there are no upsets in the second round, then who could be the lowest seeded player facing Maria Sharapova in semi-finals?

- A. Anastasia Myskina
- B. Flavia Pennetta
- C. Nadia Petrova
- D. Svetlana Kuznetsova

74. If the top eight seeds make it to the quarterfinals, then who, amongst the players listed below, would definitely not play against Maria Sharapova in the final, in case Sharapova reaches the final?

- A. Amelie Mauresmo
- B. Elena Dementieva
- C. Kim Clijsters
- D. Lindsay Davenport

In a sports event, six teams (A, B, C, D, E and F) are competing against each other. Matches are scheduled in two stages. Each team plays three matches in Stage-I and two matches in Stage-II. No team plays against the same team more than once in the event. No ties are permitted in any of the matches. The observations after the completion of Stage-I and Stage-II are as given below.

Stage-I:

- > One team won all the three matches.***
- > Two teams lost all the matches.***
- > D lost to A but won against C and F.***
- > E lost to B but won against C and F.***
- > B lost at least one match.***
- > F did not play against the top team of Stage-I.***

Stage-II:

- >The leader of Stage-I lost the next two matches.***
- >Of the two teams at the bottom after Stage-I, one team won both matches, while the other lost both matches.***
- >One more team lost both matches in Stage-II.***

75. The team(s) with the most wins in the event is (are):

- A. A
- B. A & C
- C. F
- D. E
- E. B & E

76. The two teams that defeated the leader of Stage-I are:

- A. F & D
- B. E & F
- C. B & D
- D. E & D

E. F & D

77. The only team(s) that won both the matches in Stage-II is (are):

- A. B
- B. E & F
- C. A, E & F
- D. B, E & F
- E. B & F

78. The teams that won exactly two matches in the event are:

- A. A, D & F
- B. D & E
- C. E & F
- D. D, E & F
- E. D & F

Help Distress (HD) is an NGO involved in providing assistance to people suffering from natural disasters. Currently, it has 37 volunteers. They are involved in three projects: Tsunami Relief (TR) in Tamil Nadu, Flood Relief (FR) in Maharashtra, and Earthquake Relief (ER) in Gujarat. Each volunteer working with Help Distress has to be involved in at least one relief work project.

- A Maximum number of volunteers are involved in the FR project. Among them, the number of volunteers involved in FR project alone is equal to the volunteers having additional involvement in the ER project.
- The number of volunteers involved in the ER project alone is double the number of volunteers involved in all the three projects.
- 17 volunteers are involved in the TR project.
- The number of volunteers involved in the TR project alone is one less than the number of volunteers involved in ER project alone.
- Ten volunteers involved in the TR project are also involved in at least one more project.

79. Based on the information given above, the minimum number of volunteers involved in both FR and TR projects, but not in the ER project is:

- A. 1
- B. 3
- C. 4
- D. 5

80. Which of the following additional information would enable to find the exact number of volunteers involved in various projects?

- A. Twenty volunteers are involved in FR.
- B. Four volunteers are involved in all the three projects.
- C. Twenty three volunteers are involved in exactly one project.
- D. No need for any additional information.

The following table gives the performance of top six batsman of Indian cricket team in Sri Lanka (SL). The data is given for two categories. The first category gives the overall batting performance against all the countries in SL including SL. The second category gives the details of performance of same six batsmen against SL in SL. The batting average is calculated by dividing the runs scored by the number of innings the batsman got out. NO stands for the number of times the batsman remained Not Out in the inning played. Hs stands for the highest score scored by the batsman. Highest runs with * denotes that batsman remained not out in that inning.

Player	Category	Matches	Inns 50s	NO	Runs	Hs	Avg	100s
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Dravid	InSL	33	26	3	862	104	37.47
1	5						
	InSL Vs SL	18	16	2	516	82	36.85
0	3						
Sehwag	InSL	18	18	2	706	81	44.12
0	X						
	InSL Vs SL	9	9	2	204	81	29.14
0	1						
Laxman	InSL	12	12	2	265	87*	26.5
0	2						
	InSL Vs SL	5	5	1	163	87*	40.75
0	1						
Yuvraj	InSL	18	12	1	370	98*	33.63
0	3						
	InSL Vs SL	9	6	1	221	98*	44.2
0	2						
Kaif	InSL	11	7	2	192	111*	38.4
1	0						
	InSL Vs SL	5	3	0	49	33	16.06
0	0						
Ganguly	InSL	37	33	2	1265	117*	40.8
3	9						
	InSL Vs SL	20	18	0	704	113	39.11
2	4						

81. For how many players it is possible to find the exact value of second highest score in SL?

- a) 0 b) 1 c) 2 d) More than 2

82. Which of the following is necessarily true?

- a) There are five players who are performing poorer (having lower avg.) against SL in SL compared to their overall performance in SL
b) Against other countries in SL, V. Sehwag has the best average among all the players
c) Highest number of runs scored by Laxman is against SL only
d) NOT

83. If according to new methodology batting average is calculated by dividing the runs scored by the number of innings played, then which player will register greatest percent change in the batting average in SL Vs SL?

- a) Laxman b) Dravid c) Sehwag d) NOT

84. Let "X" be the number of times Sehwag made a score greater than or equal to 50 but less than 100 in SL. What can be the minimum value of X?

- a) 1 b) 3 c) 4 d) can not determined

ANSWERS

1	E	11	E	21	D	31	E	41	D	51	D
2	A	12	B	22	A	32	E	42	B	52	D
3	B	13	E	23	B	33	A	43	B	53	C
4	A	14	A	24	E	34	D	44	A	54	D
5	A	15	A	25	B	35	E	45	A	55	D
6	A	16	B	26	A	36	E	46	B	56	C
7	E	17	E	27	D	37	D	47	C	57	A
8	B	18	E	28	A	38	B	48	C	58	A
9	B	19	A	29	A	39	E	49	B	59	B
10	B	20	B	30	E	40	E	50	C	60	A
61	D	68	D	75	E	82	D				
62	B	69	A	76	B	83	C				
63	B	70	C	77	D	84	B				
64	B	71	D	78	E						
65	C	72	C	79	C						
66	B, C	73	A	80	A						
67	E	74	C	81	C						