

Lectures on five subjects — L1, L2, L3, L4 and L5 — were delivered by five faculty members —Tapes, Ravi, Sanjeev, Ratnabha and Ankita— on five days of a week from Monday to Friday. On any given day, lectures on all five subjects were held such that each faculty member delivered exactly one lecture. Also, over the course of the week, each faculty member delivered exactly one lecture on each of the five subjects. It is also known that:

(i) Each faculty member delivered a lecture on his/her favourite subject on Monday.

(ii) L2 was delivered by Ravi on Friday and L1 was delivered by Ratnabha on Tuesday.

(iii) L3 and L4 were delivered by Ankita on Wednesday and Thursday respectively

(iv) L5 was delivered by Sanjeev on Tuesday and by Tapes on Wednesday.

(v) L3 was delivered by Tapes on Thursday and by Sanjeev on Friday.

Q1. Which of the following is a right combination of a faculty member and the lecture of his/her favourite subject?

(a) Sanjeev-L4 (b) Ratnabha-L5 (c) Tapes-L1 (d) None of these

Q2. If the order in which the lectures were delivered on each of the five days was L1-L2-L3-L4- L5, on how many days did Ankita deliver her lecture before Tapes?

(a) 1 (b) 2 (c) 3 (d) 4

Q3. On how many days did Ratnabha deliver his lecture before Sanjeev?

(a) 1 (b) 2 (c) 3 (d) Cannot be determined

ELITES GRID

LRDI PRACTICE SET FOR TODAY

Each of the eight players — CG, VK, ST, RP, MSD, VS, AF and GG — represented a different team among RCB, HS, MI, DD, CSK, PW, KKR and RR (not necessarily in that order) in a cricket tournament called PPL. Each of them got to play exactly one match in the tournament. The number of runs scored by each of the eight players in the tournament was distinct. The same was true for the number of balls faced by them. It is also known that:

- (i) The player from DD who scored 28 runs off 33 balls was neither VK nor ST.
- (ii) AF, who scored 22 runs, represented neither RCB nor HS.
- (iii) The player who represented MI scored 23 runs off 19 balls.
- (iv) VS, who represented PW, faced 7 balls.
- (v) The number of balls faced by MSD was equal to the average number of runs scored by VK and RP.
- (vi) GG, who represented RR, scored 17 runs.
- (vii) CG represented RCB.
- (viii) VK did not represent MI.
- (ix) MSD scored more than 50 runs.

Q1. Who among the following could represent HS?

- (a) AF (b) RP (c) VK (d) ST

Q2. If VK scored 24 runs, what was the number of balls faced by MSD?

- (a) 26 (b) 23 (c) 20 (d) Cannot be determined

Q3. If MSD represented KKR, for how many other players is it possible to find out the team which they represented?

- (a) 4 (b) 5 (c) 6 (d) 7

ELITES GRID

LRDI PRACTICE SET FOR TODAY

Ten persons — A, B, C, D, E, F, G, H, I and J — are to be seated in a row of 10 chairs all facing the same direction. It is also known that:

- (i) Exactly 6 persons sit between A and J and the same is true for B and C.
- (ii) Exactly 5 persons sit between D and E.
- (iii) Exactly 3 persons sit between F and G.
- (iv) A sits to the immediate left of B who sits to the immediate left of F

Q1. If exactly 2 persons sit between C and D, who does not sit at any of the ends of the row?

- (a) A (b) E (c) C (d) Cannot be determined

Q2. Which of the following cannot be the exact number of persons who sit between D and H?

- (a) 1 (b) 2 (c) 3 (d) 4

Q3. If D sits as far as possible from A, who is seated to the immediate right of F?

- (a) E (b) H (c) I (d) A

ELITES GRID

LRDI PRACTICE SET FOR TODAY

Five friends—Turner, Kapranos, Okereke, Casablancas and Banks — were discussing about experimental rock bands of the 80s that have influenced and shaped their musical journey. The only bands involved in their discussion were —Doy Jivision. Pothole Surfers, Reverb &The Dummymen, Smell Wasps and Fang of Gore. Finally they concluded that each one of them dislikes exactly two bands, no two of them dislike the same two bands and each band is liked by exactly three of them Doy Jivision was disliked by Okereke and Banks for being way too depressing. Kapranos, who is not exactly a fan of scholarly disseminations on existential angst in music, disliked Pothole Surfers and Smell Wasps. There was exactly one band that was liked by both Kapranos and Casablancas. Okereke, who hails from a conservative middle class family, disliked Fang of Gore due to their association with radical post structural Bolsheviks. There was exactly one band that was disliked by both Turner and Casablancas.

Q1. Who among the following liked Pothole Surfers?

(a)Turner (b)Kapranos (c) Banks (d) Cannot be detemilned

Q2. Which band was disliked by both Turner and Casablancas?

(a) Pothole Surfers (b) Reverb & The Dummymen (c) Smell Wasps
(d) Either Pothole Surfers or Fang of Gore

Q3. Banks disliked

(a) Doy Jivision and Pothole Surfers (c) Either (a) or (b)
(b) Doy Jivision and Smell Wasps (d) None of these

Six famous research scientists — Janardhan, Jennifer, Jagannath, Jambhala, Jonathan and Joginder — were invited to Zurich to deliver speeches based on their thesis in the Global Science Forum. The scientists delivered speeches on exactly one of the following topics — Microbiology, Nanotechnology, Spectrochemistry, Complex Analysis, Cryptography and Robotics — such that no two scientists delivered speeches on the same topic. The six scientists were born in the years — 1942, 1945, 1948, 1951, 1953 and 1956, in some order. When they reached Zurich, each one of them was given a flag of a different colour. The only two scientists older than the scientist who was given the Orange colour flag delivered speeches on Nanotechnology and Cryptography and they were given the flags of Blue and Black colours, not necessarily in that order. The only two scientists younger than the scientist who spoke on Spectrochemistry were given the flags of Green and White colours and they had lectured on Microbiology and Robotics, not necessarily in that order. The colour of one of the flags was Yellow. The speeches delivered by Janardhan and Jennifer were based on Microbiology and Nanotechnology, not necessarily in that order. The colours of the flags received by Jonathan and Joginder were Black and Green, not necessarily in that order. Also, it is known that Jambhala was older than Jagannath.

Q1. Who was born in 1948?

(a) Jennifer (b) Jagannath (c) Jambhala (d) Jonathan

Q2. If Jennifer delivered her speech on Microbiology, which of the following is definitely true regarding Janardhan?

(a) He is older than at least 4 scientists. (b) He is younger than at least 1 scientist. (c) He was given a flag of White colour. (d) Both (a) and (b)

Q3. If the colour of the flag given to Joginder was Black and Jennifer was born in 1945, who could have been the youngest scientist?

(a) Joginder (b) Jagannath (c) Jonathan (d) Jambhala

ELITES GRID

LRDI PRACTICE SET FOR TODAY

Twelve persons—A, B, C, D, E, F, G, H, I, J, K and L are seated in 12 uniformly arranged chairs, with all of them facing the centre of a circular table.

- (i) K sits diametrically opposite D and his immediate neighbours are A and E.
- (ii) Exactly two persons sit between A and I as well as A and J.
- (iii) F and C as well as B and G sit adjacent to each other.
- (iv) Exactly two persons sit between J and H.

Q1. Who among the following cannot sit adjacent to B?

- (a) H (b) L (c) A (d) I

Q2. Who among the following can sit to the immediate right of C?

- (a) I (b) E (c) L (d) B

Q3. Who among the following can be an immediate neighbour of F?

- (a) H (b) J (c) A (d) All of the above

ELITES GRID

LRDI PRACTICE SET FOR TODAY

The natives of a city the total population of which is 80,000 are aware of only three newspapers — TOI, HT and DC — and only three mobile brands — NOK, SAM and SE.

- (i) The number of natives in the city who like exactly two newspapers is five times the number of natives who like all the newspapers.
- (ii) The sum of the number of natives who like TOI and 42% of those who like HT but not TOI is equal to the number of natives who like NOK.
- (iii) The number of natives who like SAM is equal to the sum of 37.5% of the number of natives who like HT and 50% of those who like DC.
- (iv) 30,000 natives like all the mobile brands and 7,000 like all the newspapers.
- (v) 37,000 natives like TOI.
- (v) 28,000 natives do not like TOI but DC.
- (vii) 22,000 natives like TOI and exactly one more newspaper.
- (viii) 12,000 natives like only HT and the same number of natives like TOI and DC but not HT.
- (ix) The number of natives who like SE is same as the number of natives who like SAM.

Q1. Now many natives in the city do not like any of the three newspapers?

- (a) 1,000 (b) 3,000 (c) 5,000 (d) 7,000

Q2. What is the minimum number of natives in the city who like at least one of the three mobile brands?

- (a) 48,000 (b) 52,000 (c) 55,000 (d) Cannot be determined

Q3. At least how many natives in the city do not like any of the three mobile brands?

- (a) 10,000 (b) 12,000 (c) 14,000 (d) Cannot be determined