



Assignment 4

Set 1

Six swimmers A, B, C, D, E and F compete in a race. Each of the six finished the race with a different timing and the swimmers were then ranked with the fastest of them being ranked 1st, next fastest being ranked 2nd and do on. The following is known about their ranking or timings.

- i. B does not win the race but has a better timing than E, though only one swimmer has a timing worse than B and better than E.
- ii. F has a better timing than D. But A has a timing that is worse than D's and E's.
- iii. There are two swimmers with their timings being between that of E and D

A better timing means completing the race in lesser time and a worse timing means completing the race in more time.

1. Who stood fifth in the race?

- (1) A
- (2) E
- (3) C
- (4) D

2. How many swimmers have their timings between that of A and F?

- (1) 1
- (2) 2
- (3) 3
- (4) 4



3. The swimmer with a rank between that of C & E is

- (1) None
- (2) F
- (3) D
- (4) B

4. If the end of the race, swimmer D is disqualified by the Judges then swimmer B finishes with what rank?

- (1) 1
- (2) 2
- (3) 3
- (4) 4



Set 2:

The top four seeded players, Radal, Regor, Yurram and Kovan were being honoured at a dinner function. Each were expected to arrive with their coaches and share their experiences, but one of the player's coach could not make it. The three coaches that could make to the event are Blake, Albert and Victor. Each of the coaches spoke immediately after the player they coached. The first two players to speak in order were Radal and Regor.

5. Among the following which is not an appropriate order of speaking?

- (1) Radal, Blake, Regor, Albert, Kovan, Yurram, Victor
- (2) Radal, Victor, Regor, Albert, Yurram, Kovan, Blake
- (3) Radal, Regor, Albert, Victor, Kovan, Yurram, Blake
- (4) Radal, Regor, Blake, Kovan, Victor, Yurram, Albert

6. In case Yurram speaks after Blake, and Blake is the third of the coaches to speak, then among the following statements which would be false?

- (1) Kovan spoke immediately after Albert.
- (2) The order of the first four speakers was Radal, Albert, Regor, Victor.
- (3) Kovan's coach was present at the dinner.
- (4) Blake was the fourth speaker after Radal.



7. Among the following statement, which statement must be true?

- (1) In case the second speaker was a player, the seventh speaker was a coach.
- (2) In case the second speaker was a coach, the seventh speaker was a player.
- (3) In case the third speaker was a coach, the seventh speaker was a player.
- (4) In case the third speaker was a player, the seventh speaker was a coach.

8. In case Blake spoke immediately after Yurram and immediately before Kovan, and Kovan was not the last speaker, then Yurram spoke

- (1) Second
- (2) Third
- (3) Fourth
- (4) Fifth



9. In case Albert is Radal's coach, Victor could be the person who spoke immediately

- (1) prior to Regor
- (2) prior to Albert
- (3) prior to Blake
- (4) after Kovan

10. In case Blake is the third of the coaches to speak, and Yurram is the player whose coach is not present, which among the following statements must be true?

- (1) Blake spoke sometime before Yurram
- (2) Victor spoke sometime before Kovan
- (3) Yuram spoke sometime before Kovan
- (4) Kovan spoke sometime before Yurram

**Set 3:**

There are 6 male players who play 6 different sports – Cricket, Football, Hockey, Tennis, Badminton and Athletics. They are married to 2 Engineers, Doctor, CA, Professor and Housewife, not necessarily in the same order. Each of the 6 couples stay in one of the 6 different cities – Ahmedabad, Bangalore, Kolkata, Delhi, Ernakulam and Indore.

- i) The football player is married to an Engineer, but does not belong to either Kolkata or Delhi
- ii) The Doctor and Athlete do not stay in Indore and Ernakulam respectively.
- iii) The Hockey player is not married to either Doctor or CA, and his wife is not a housewife either.
- iv) One of the engineers stays in Delhi.
- v) The Hockey player, the Tennis player and the Cricketer stay in Kolkata, Indore and Bangalore respectively.
- vi) The lady, who stays in Ernakulam, is a housewife.

11. Who is married to the Hockey player?

- (1) Engineer
- (2) CA
- (3) Doctor
- (4) Professor

12. In which city does the Doctor stay?

- (1) Kolkata
- (2) Indore
- (3) Delhi
- (4) Bangalore



13. Who is married to the Athlete?

- (1) Engineer
- (2) CA
- (3) Doctor
- (4) Cannot be determined

14. The CA stays in which city?

- (1) Bangalore
- (2) Ahmedabad
- (3) Indore
- (4) Kolkatta

**Set 4:**

In a puppet show, there are puppets of four animals viz. Dragon, Gorilla, Kangaroo and Tiger. The puppets also have names viz. Rex, Kong, Rani and Simba (in no particular order).

Each of the puppets is handled by a chief puppeteer and his assistant. The chief puppeteers are A, B, C and D and the assistants are X, Y, Z, W (again in no particular order).

- i. D and his assistant Z do not handle Rani
- ii. Kong is not handled by B, but the assistant handling Kong is W
- iii. A handles the Dragon; B does not handle the Kangaroo
- iv. X is the assistant puppeteer handling the Tiger
- v. Simba, handled by C, is not the Gorilla
- vi. The Gorilla's name is not Rani

15. Who is the assistant puppeteer who handles the Dragon?

- (1) X
- (2) Y
- (3) Z
- (4) W

16. Rani is the name of the

- (1) Dragon
- (2) Gorilla
- (3) Kangaroo
- (4) Tiger



17. Y assists which of the chief puppeteer?

- (1) A
- (2) B
- (3) C
- (4) D

18. The Kangaroo's name is

- (1) Rex
- (2) Kong
- (3) Rani
- (4) Simba

**Set 5:**

U, V, W, X, Y and Z are members of a family in which there are three generations and two married couples. The different professions in the family are professor, doctor, manager, banker, housewife and lawyer.

- (i) Y married to U who is a professor.
- (ii) X, who is a housewife, is the mother of U.
- (iii) V is the grandfather of W who is a doctor.
- (iv) Y, who is the father of the doctor, is not a banker.
- (v) Z is the granddaughter of X and is a manager.

19. Which of the family members is the banker?

- (1) Y
- (2) V
- (3) W
- (4) None of these

20. What is the profession of Y?

- (1) Manager
- (2) Doctor
- (3) Lawyer
- (4) None of these



21. How many female members are there in the family?

- (1) Two
- (2) Three
- (3) Four
- (4) Cannot be determined

22. Who is the husband of the housewife?

- (1) W
- (2) V
- (3) Z
- (4) None of these



23. How is W related to Z?

- (1) Sister
- (2) Brother
- (3) Father
- (4) Cannot be determined