Quantitative Analysis

Q1. A boy was trying to find $5/8^{th}$ of a number. Unfortunately, he found out $8/5^{th}$ of the number and realized that the difference between the answer he got and the correct answer is 39. What was the number?
(a) 38   (b) 39   (c) 40   (d) 52

Q2. After spending 30% on machinery, 20% on building, 15% on raw material and 5% on furniture, a small scale industry owner had a balance of Rs.130500. Total money with him was:
(a) 650000   (b) 435000   (c) 870000   (d) 139000

Q3. The salaries of L, M, N are in the ratio 2: 3 : 5. If the increments of 35%, 15% and 20% are allowed respectively in their salaries, then what will be the new ratio of their salaries?
(a) 3 : 33 :60   (b) 10 : 11 : 20
(c) 18 : 23 : 40   (d) Cannot be determined

Q4. A pet shop owner sells two kittens at the same price. On one he makes a profit of 12% and on the other he suffers a loss of 12%. Find his loss or gain per cent on the whole transaction.
(a) Gain of 4%   (b) No profit no loss   (c) Loss of 10%   (d) Loss of 1.4%

Q5. Three partners X, Y, Z start a business. Twice X's capital is equal to thrice Y's capital, Y's capital is four times Z's capital. Out of a total profit of Rs. 16,500 at the end of the year, Y's share is:
(a) Rs. 4000   (b) Rs. 6000   (c) Rs. 7500   (d) Rs. 6600

Q6. The LCM of two numbers 45 times their HCF. If one number is 250 and the sum of their HCF and LCM is 2300. Find the other number.
(a) 400   (b) 450   (c) 460   (d) 420

Q7.The sum of two numbers is 135 and their HCF is 9. How many such pairs of numbers can be formed ?
(a) 6   (b) 2   (c) 5   (d) 4

Q8. Find the largest four digit number exactly divisible by 55.
(a) 9900   (b) 9955   (c) 9945   (d) 9960

Q9. The units digit of the expression $125^{813} \times 553^{3703} \times 4532^{828}$ is
(a) 4   (b) 2   (c) 0   (d) 5

Q10. If 391 chocolates were distributed among three childrens in the ratio 1/2:2/3:3/4, how many chocolates did the first children get?
(a) 102   (b) 108   (c) 112   (d) 104

Q11. How much pepsi at Rs. 6 a litre is added to 15 litre of 'dew' at Rs. 10 a litre so that the price of the mixture be Rs. 9 a litre?
(a) 5   (b) 8   (c) 10   (d) none of these

Q12. The present ages of three persons are in proportions 5 : 8 : 10. Nine years ago, the sum of their ages was 88. Find

their present ages (in years).
(a) 25, 40, 50   (b) 30, 40, 45   (c) 20, 35, 45   (d) 12, 25, 35

Q13. M, N and O together can finish a piece of work in 4 days; M alone can do it in 12 days and N alone in 18 days. How many days will be taken by O to do it alone.
(a) 36   (b) 35   (c) 40   (d) 9

Q14. How long will a man take to bicycle round a square field of side 600 m, if his speed is 8 km/h ?
(a) 18 min   (b) 20 min   (c) 24 min   (d) 15 min

Q15. A train 200 m long, running at 36 kmph takes 50 seconds to pass a bridge. The length of the bridge (in meters) is
(a) 300   (b) 244   (c) 250   (d) 540

Data Interpretation

Direction for (Qs.16-21): The following table provides information on the arrival of apples in the Agricultural Product Market Committee (APMC) in Delhi in the year 1990-91. In :he months when the supply of fresh apples is less than the demand, apples are supplied from the cold storage. Study the table and answer the questions that follow.

ARRIVAL OF APPLES IN APMC, DELHI (IN TONNES): 1990-91

Month	HP	UP	J & K	Cold Storage	Total
May , 90	7	0	7	59	73
June , 90	12	1	0	0	13
July , 90	9741	257	8017	0	18015
August ,90	71497	10	18750	0	90257
September , 90	77675	0	20286	0	97961
October, 90	53912	0	56602	0	110514
November, 90	12604	0	79591	24	92219
December , 90	3499	0	41872	42	45413
January , 91	1741	0	14822	15	16578
February , 91	315	0	10922	201	11438
March , 91	25	0	11183	77	11285
April , 91	0	0	683	86	769

16. The supply of fresh apples to APMC, Delhi was more than the demand during the period
(a)July 1990 - March 1991
(b)September 1990-April 1991
(c)June 1990 - October 1990
(d)August 1990 - November 1990

17. During the period under consideration, the largest supplier of apples to APMC, Delhi was
(a) H.P.   (b)U.P.   (c)J&K   (d)Cold Storage

18. The percentage share of H.P. in the total supply of apples to APMC, Delhi during the period May 1990 - April 1991, was nearly
(a) 38%   (b)42%   (c)47%   (d)52%

19. The largest percentage share of J & K in the monthly supply of apples at APMC, Delhi is approximately
(a) 92.9%   (b)95.5%   (c)99.1 %   (d)99.4%
Additional Directions : The average annual yield from an apple tree is about 40 kg and on an average about 250 apple
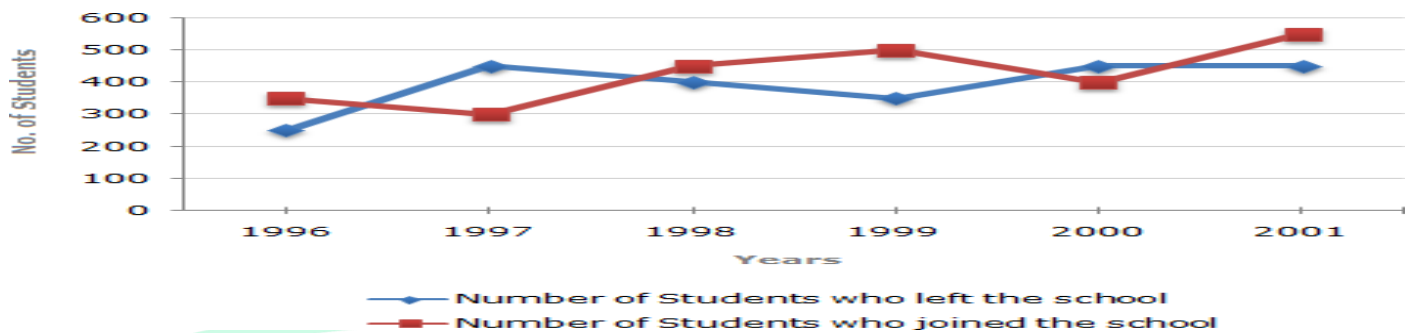
trees are grown per hectare of land.

20. The number of apple trees from which APMC, Delhi received its supply during the period under consideration, is approximately (1 tonne = 1,000 kg)

(a)11.78 million   (b)12.36 million   (c)13.05 million   (d)Cannot be determined

21. During the period under consideration, the land (in hectares) used to grow apples to supply to APMC, Delhi is approximately

(a) 37862   (b)49453   (c)51148   (d)58125

Direction for (Qs.22-27): Study the following graph which gives the number of students who joined and those who left the school in the beginning of the year, for six years from 1996 to 2001 Initial strength of the school in 1995 = 3000. The questions given below the graph are based on this graph.

22. The strength of the school increased/decreased from 1997 to 1998 by approximate, what percent?

(a)1.2%   (b)1.7%   (c) 2.1%   (d)2.4%   (e)2.6%

23. The number of students studying in the school during 1999 was

(a)2950   (b)3000   (c) 3100   (d)3150   (e)3200

24. During which of the following pairs of years, the strength of the school was same?

(a)1999 and 2001   (b)1998 and 2000

(c) 1997 and 1998   (d)1996 and 2000   (e)1999 and 2000

25. Among the given years, the largest number of students joined the school in the year

(a) 1996   (b)1998   (c) 1999   (d)2001

26. For which year the percentage rise/fall in the number of students who left the school compared to the previous year is maximum?

(a)1997   (b)1998   (c) 1999   (d)2000   (e)2001

27. The ratio of the least number of students who joined the school to the maximum number of students who left the school in any of the years during the given period is

(a) 7:9   (b)4:5   (c) 3:4   (d)2 : 3

Logical Reasoning

Directions (Q. 28-30) : Read the following information carefully and answer the questions given below :

Five persons are standing in a queue. One of the two persons at the extreme ends is a Engineer and the other is a Businessman. A Teacher is standing to the right of a Student. An Author is to the left of the Businessman. The Student is

between the Engineer and the Teacher.

20. Counting from the left the Author is at which place ?
(a) First   (b) Second   (c) Third   (d) Fourth   (e) None

21. Which of the following is in the middle of the queue?
(a) Engineer   (b) Teacher   (c) Student   (d) Businessman   (e) Author

22.If Teacher and the Businessman exchange their positions, also the Author and the student, then who will be standing to the left of the student ?
(a) Author   (b) Businessman   (c) Engineer   (d) Teacher   (e) Student

Directions (Q. 23-25) : Study the following information to answer the given questions.
(i) Eight friends P, Q, R, S, T, U, V and W are seated in a circle facing centre. (ii) S is between Q and V, and U is between P and W.
(iii) T is second to the right of P.
28.Which of the following is P's position ?
(a) Left of U   (b) Right of U   (c) Between T and U   (d)Can't be determined   (e)None of these

29. Which of the information statement are not required to ascertain the position of R?
(a)(i) above   (b)Either (ii) or (iii) above   (c)(iii) above   (d)(iv) above   (e)All are required

30. Which of the following is R's position ?
(a) Between T and U   (b) Between V and T   (c)Second to the left of Q   (d) Can't be determined
(e) None of these

31. A rat runs 20' towards East and turns to right, runs 10' and turns to right run 9' and again turns to left, runs 5' and then turns to left, runs 12' and finally turns to left and runs 6'. Now, which direction is the rat facing ?
(a) East (b) North (c) West (d)South (e) North-East

32. In a certain code, GIGANTIC is written as GIGTANCI. How is MIRACLES written in that code?
(a) MIRLCAES   (b) MIRLACSE   (c) RIMCALSE   (d) RIMLCAES   (e) RIMSCASE

33. 6, 126, ………….., 9, 108, 12,7, 133, 19, 12, 72, 6
(a) 21   (b) 23   (c) 30   (d) 35   (e) 40

Directions (Q. 34-37) : Read the following information carefully and answer the questions given below.
(I)P, Q, R, S, T and U are six members of family, each of them engaged in a different profession-Consultant, Wedding Planner, Officer, Doctor, Broker & CA
(II)Each of them remains at home on a different day of the week from Monday to Saturday.
(III)The Wedding Planner in the family remains at home on Thursday.
(IV) R remains at home on Tuesday.
(V)P, a Consultant, does not remain at home either on Saturday or on Wednesday.
(VI)S is neither the Consultant nor the Officer and remains at home on Friday.
(VII)Q is the Doctor and T is the CA.
34. Which of the following combinations is not correct ?

(a) R-Officer   (b) Q- Doctor   (c) T-CA   (d) S-Broker   (e) All correct

35.Which of the following combinations is correct ?

(a) Wedding Planner-Tuesday   (b) Officer-Wednesday   (c) CA-Friday   (d) Doctor -Thursday   (e) Broker-Friday

36.Who is the Broker ?

(a) S   (b) R   (c) U   (d) Data inadequate   (e) None of these

37. Who among them remains at home on the following days on which R stays at home ?

(a)Q   (b)Q or T   (c) S   (d) Cannot be determined   (e) None of these

Reading Comprehension And Verbal Ability

Q.There's something confusing about the consensus around Alice Munro. It has to do with the way her critics begin by asserting her goodness, her greatness, her major-ness or her best-ness, and then quickly adopt a defensive tone, instructing us in ways of seeing as virtues the many things about her writing that might be considered shortcomings. So she writes only short stories, but the stories are richer than most novels. Over a career now in its sixth decade, she's rehearsed the same themes again and again, but that's because she's a master of variation. She has preternatural powers of sympathy and empathy, but she's never sentimental. She writes about and redeems ordinary life, ordinary people – 'people people people', as Jonathan Franzen puts it.

Ordinary people turn out to live in a rural corner of Ontario between Toronto and Lake Huron, and to be white, Christian, prudish and dangling on a class rung somewhere between genteel poverty and middle-class comfort. Occasionally they move to the vicinity of Vancouver, only to go back to Ontario again. If this patch of the North Country sounds like a provincial cage, just think of it as a Canadian Yoknapatawpha County, and ignore the ways the plainspoken Munro is otherwise anti-Faulknerian. ('I didn't really like Faulkner that much,' she has said.) It might be too much to call her an anti-modernist, rather than someone on whom modernism didn't leave much of an impression, but her conventionality – a writer 'of the old school' in Anne Tyler's phrase – won't quite do. For her admirers it needs to be offset by some kind of innovation. They usually point to her manipulation of time – her tic of adding a coda to a story, marked usually by the words 'years later' – as if she were the Doctor Who of upmarket short story writing. Her great theme is said to be memory, and there's certainly something universal about remembering. 'That Alice Munro, now 81,' Charles McGrath, her first editor at the New Yorker, wrote recently in the New York Times, 'is one of the great short story writers not just of our time but of any time ought to go without saying by now.' 'Alice Munro,' James Wood wrote in the London Review of Books in 1997 on the publication of her Selected Stories, 'is such a good writer that nobody bothers anymore to judge her goodness … her reputation is like a good address.'

It's an address I wouldn't want to move to, and I didn't enjoy my recent visit. But the impulse to say that makes me wonder whether I'm some sort of big city chauvinist, or a misogynist, or autistic, or a decadent reader deaf to the charms of simple sentences, perfectly polished ('Alice Munro excites the writer in me,' A.S. Byatt says, 'there is something new to learn from her in every sentence') and perfectly humourless. Reading ten of her collections in a row has induced in me not a glow of admiration but a state of mental torpor that spread into the rest of my life. I became sad, like her characters, and like them I got sadder. I grew attuned to the ways life is shabby or grubby, words that come up all the time in her stories, as well as to people's residential and familial histories, details she never leaves out. How many rooms are in the house, and what sort of furniture and who used to own it and what is everybody wearing? To ask these questions is to live your life like a work of realism. I saw everyone heading towards cancer, or a case of dementia that would rob them of the memories of the little adulteries they'd probably committed and must have spent their whole lives thinking about.

38. According to the author, what is the general approach of the literary fraternity towards Munro's works?

1)They have been too harsh with their criticism of her works.

2)They feel that her caliber has dwindled over the ages.

3)They praise her wit and her elegance with tortuous plots.

4)They consider her to be an excellent writer.

39. Which of the following can't be said of Alice Munro's writing?

1) She writes from the fringes between middle class comfort and genteel poverty.

2) She prefers to focus on simple story-telling leaving out details about the daily lives of her characters.

3) She adeptly uses themes of remembrance and emotion in her short stories.

4) Her writing is a work of realism.

40. What did the author feel after reading Munro's short stories?

1) He grew weary of reading.

2) Her stories filled him with a sense of nostalgia.

3) Her stories left him in a state of bewilderment about his life.

4) He grew pessimistic of life and complacent of its squalor.

41. What does the author mean by the word "torpor"?

1) Stolidity   2) Buoyancy   3) Beatitude   4) Vituperation

42. The author has quoted A. S. Byatt's opinion of Munro's writing to show-

1) His own admiration of her work.   2) The influence of her writing.

3) The contradiction in his own and Byatt's view of her work.   4) To support his dislike of her writing.

43. What is the tone of the author towards Munro's works?

1) Laudatory   2) Bilious   3) Sarcastic   4) Instigating

Direction (Q 47-48) Give the Synonym

47. MASQUERADE

   (a) to provide support

   (b) to be in disguise

   (c) to mesmerise

   (d) marathon race

48. PARSIMONIOUS

   (a) Thrifty

   (b) Cunning

   (c) Extravagant

   (d) Upright

Direction (Q 49-50) Give the Antonym

49. IMPROMPTU

   (a) rehearsed

   (b) foolish

   (c) appropriate

   (d) vast

50. CHIMERICAL

   (a) fearful

   (b) breathtaking

   (c) serene

   (d) practical idea

Direction (Q. 51–54) Give the correct preposition

51. ames' wife accused him_____cheating.
    (a) Up
    (b) To
    (c) With
    (d) Of

52. Kathleen apologized_____her brother's poor behaviour.
    (a) For
    (b) In
    (c) Off
    (d) At

53. There is no doubt that Adam is very good_____telling jokes.
    (a) At
    (b) Over
    (c) Of
    (d) With

54. These dresses were_____sale last week.
    (a) In
    (b) Of
    (c) On
    (d) Up

Direction (Q 55-57) In the given sentence replace the phrase printed in **bold** type to make the grammatically correct

55. Why **did you not threw** the bag away?
(a) did you not throw   (b) had you not threw
(c) did you not thrown   (d) you did not thrown

56. There are not many men who are so famous that they are frequently referred to by their **short names** only
(a) initials   (b) signatures   (c) pictures   (d) middle name

57. **Shapes** of gods and goddess are worshipped by people.
(a) Images   (b) Reflections   (c) Clay shapes   (d) Clay toys

Verbal Reasoning

Direction (Q 58-59) In each of the following questions two statements are given and these statements are followed by two conclusions numbered (1) and (2). You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

58. **Statements:** All cups are books. All books are shirts.

   Conclusions: 1. Some cups are not shirts.

                    2. Some shirts are cups.

(a) Only (1) conclusion follows

(b) Only (2) conclusion follows

(c) Either (1) or (2) follows

(d) Neither (1) or (2) follows

(e) Both (1) and (2) follow

59. **Statements:** Some cows are crows. Some crows are elephants.

   Conclusions: 1. Some cows are elephants.

   2. All crows are elephants.

   (a) Only (1) conclusion follows

   (b) Only (2) conclusion follows

   (c) Either (1) or (2) follows

   (d) Neither (1) or (2) follows

   (e) Both (1) and (2) follow

Direction (Q 60-61) In each question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

60. **Statements:** The Government run company had asked its employees to declare their income and assets but it has been strongly resisted by employees union and no employee is going to declare his income.

   Conclusions: 1. The employees of this company do not seem to have any additional undisclosed income besides their salary.

   2. The employees union wants all senior officers to declare their income first.

   (a) Only conclusion 1 follows

   (b) Only conclusion 2 follows

   (c) Either 1 or 2 follows

   (d) Neither 1 or 2 follows

   (e) Both 1 and 2 follow

61. **Statements:** Monitoring has become an integral part in the planning of social development programmes. It is recommended that Management Information System be developed for all programmes. This is likely to give a feedback on the performance of the functionaries and the efficacy with which services are being delivered.

   Conclusions: 1. All the social development programmes should be evaluated.

   2. There is a need to monitor the performance of workers.

   (a) Only conclusion 1 follows

   (b) Only conclusion 2 follows

   (c) Either 1 or 2 follows

   (d) Neither 1 or 2 follows

   (e) Both 1 and 2 follow

Direction (Q 62-63) Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

62. **Statement:** Should young entrepreneurs be encouraged?

   Arguments: 1.Yes. They will help in industrial development of the country.

   2. Yes. They will reduce the burden on employment market.

(a) Only argument I is strong

(b) Only argument II is strong

(c) Either I or II is strong

(d) Neither I or II is strong

(e) Both I and II are strong

63. **Statement:** Should all the annual examinations up to Std. V be abolished?

   Arguments: 1. Yes. The young students should not be burdened with such examinations which hampers their natural growth.

   2. No. The students will not study seriously as they will get automatic promotion to the next class and this will affect them in future.

(a) Only argument I is strong

(b) Only argument II is strong

(c) Either I or II is strong

(d) Neither I or II is strong

(e) Both I and II are strong

Direction (Q 64-65) In each question below is given a statement followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing.

64. **Statement:** As stated in the recent census report the female to male ratio is alarmingly low.

Courses of Action: 1.The government should conduct another census to verify the results.

   2. The government should immediately issue orders to all the departments to encourage people to improve the ratio.

   (a) Only I follows

   (b) Only II follows

   (c) Either I or II follows

   (d) Neither I or II follows

   (e) Both I and II follows

65. **Statement:** Four districts in State A have been experiencing severe drought for the last three years resulting into exodus of people from these districts.

Courses of Action: 1. The government should immediately start food for work programme in the district to put a

   66. halt to the exodus.

   2. The government should make since efforts to provide drinking/potable water to these districts

   (a) Only I follows

   (b) Only II follows

   (c) Either I or II follows

   (d) Neither I or II follows

   (e) Both I and II follows

<center>Sports Awareness (66-90)</center>

66. Sachin Tendulkar hit his 100th international century against which among the following team?

   [A] Sri Lanka   [B] Bangladesh   [C] Pakistan   [D] South Africa

67. THE WORLD BENEATH HIS FEET is a Biography of?

   [A] Pulela Gopichand   [B] Nawab Pataudi   [C] Ajit Wadekar   [D] Sachin Tendulkar

68. Who among the following was the first Indian sportsman to boycott the Olympic torch relay in support of the

Tibetan independence movement?

[A] Baichung Bhutia   [B] Dhanraj Pillay   [C] Chandu Borde   [D] Dibyendu Barua

69. Which among the following is played on a synthetic hard court?

[A] French Open   [B] Wimbledon   [C] US open   [D] Australia open

70. Murugappa Gold Cup is related to which among the following sports?

[A] Football   [B] Hockey   [C] Cricket   [D] Table Tennis

71. With which among the following sports, Ian Thorpe is related to?

[A] Athletics   [B] Boxing   [C] Swimming   [D] Racing

72. Which of the following trophies is related with the game of 'Football'?

[A] Mumbai Gold Cup   [B] Everest Cup   [C] Merdeka Cup   [D] V.C.C. Cup

73. How many number of Red Balls are in Snooker?

[A] 13   [B] 15   [C] 17   [D] 20

74. The name of Professor Guru Dutt Sondhi is known behind the foundation of which among the following?

[A] Olympic Association of India   [B] Asian Games Federation

[C] Indian Premier League   [D] Indian Badminton League

75. Which was the first brand, Sachin Tendulkar endorsed in the beginning of his career?

[A] Boost   [B] Pepsi   [C] Nike   [D] None of them

76. In Kho-Kho , the players occupying the squares are known as_____?

[A] Lobby   [B] Raiders   [C] Chasers   [D] Chukker

77. In which year Mission Olympics in Army programme was launched?

[A] 1999   [B] 2000   [C] 2001   [D] 2002

78. Who among the following is first Indian to win an individual gold medal at any Olympic Games?

[A] Abhinav Bindra   [B] Muhammad Aslam   [C] Rajyavardhan Singh Rathode   [D] Mohammed Shahid

79. In which of the following sports/ games the term Interference is used?

[A] Golf   [B] Chess   [C] Squash   [D] Table Tennis

80. Rungrado May Day Stadium is located in which country?

[A] Thailand   [B] China   [C] North Korea   [D] South Korea

81. Dempo Sports Club is a sports club , one of the most prominent football team of India is based in_____?

[A] Kolkata   [B] Panjim   [C] Guwahati   [D] Bangalore

82. The word Gambit is related to which of the following sports?

[A] Chess   [B] Table Tennis   [C] Polo   [D] carom

83. Which among the following sporting event has become the first ever to be broadcast live on the popular video sharing website YouTube?

[A] 2010 Africa Cup of Nations   [B] FIFA World Cup

[C] Indian Premier League -III   [D] T-20 World Cup

84. Kookaburras is the nickname of Hockey Team of which of the following country?

[A] India   [B] Australia   [C] USA   [D] China

85. Who among the following is the first batsman to hit six sixes in an over?

[A] Garfield Sobers   [B] Ravi Shastri   [C] Ted Alletson   [D] Kapil Dev

86. Rovers Cup is related to which of the following sports?

[A] Football   [B] Cricket   [C] Hockey   [D] Tennis

87. Which of the following sports was invented by James Naismith?

[A] Football   [B] Basket Ball   [C] Ice Hockey   [D] Badminton

88. Which of the following games were previously called 'British Empire Games' ?

[A] East Asian Games   [B] Southeast Asian Games   [C] Olympic Games   [D] Commonwealth Games

89. Who among the following cricketers was the first to score a century for the Indian Test cricket team in his Debut Test match ?

[A] Sunil Gawaskar   [B] Kapil Dev   [C] Lala Amarnath   [D] Nawab Pataudi

90. Which of the following stadiums in India was the first to Host a Test match in Independent India?

[A] Gymkhana Ground, Mumbai   [B] Feroz Shah Kotla, Delhi

[C] Eden Gardens, Kolkata   [D] M. A. Chidambaram Stadium, Chennai