					PYQ Dec. 21
1B	A bag contains 105 coins containing some 50 paise, and 25 paise coins. The ratio of the number of these coins is 4 : 3. The total value (in ₹) in the bag is				
	a.	43.25		b.	41.25
	c.	39.25		d.	35.25

					PYQ Nov. 20
2D	Find the value of a from the following: $\sqrt{(9)}^{-5} \times \sqrt{(3)}^{-7} - \sqrt{(3)}^{-a}$				
	a.	11		b.	13
	c.	15		d.	17

					PYQ July 21
3C	If $\log_4 x + \log_{16} x + \log_{64} x + \log_{256} x = \dfrac{25}{6}$ then the value of x is				
	a.	64		b.	4
	c.	16		d.	2

					PYQ Dec. 21
4A	In a multiple choice question paper consisting of 100 questions of 1 mark each, a candidate gets 60% marks. If the candidate attempted all questions and there was a penalty of 0.25 marks for wrong answers is:				
	a.	32		b.	36
	c.	40		d.	38

					PYQ June 19
5C	Find the condition that one roots is double the other of $ax^2 + bx + c = 0$				
	a.	$2b^2 = 3ac$		b.	$b^2 = 3ac$
	c.	$2b^2 = 9ac$		d.	$2b^2 > 9ac$

					MTP Nov 18
6D	The Solution of the in equality $8x + 6 < 12x + 14$ is				
	a.	(-2,2)		b.	(0, -2)
	c.	(2, ∞)		d.	(-2, ∞)

					PYQ Nov. 20
7B	What sum of money will produce ₹ 42,800 as an interest in 3 years and 3 months at 2.5% p.a. simple interest?				
	a.	₹ 3,78,000		b.	₹ 5,26,769
	c.	₹ 4,22.000		d.	₹ 2,24.000

					PYQ Dec 22
8B	The difference between compound interest and simple interest on an amount of ₹ 15,000 for 2 years is ₹ 96. What is the rate of interest per annum?				
	a.	9%		b.	8%
	c.	10%		d.	11%

			PYQ June 22
9B	In how much time a sum of amount doubles at simple interest at 12.5% rate?		
	a. 7 years	b.	8 years
	c. 9 years	d.	10 years
			Repeat Jan 21 - PYQ Nov. 20
10B	Find the compound interest if an amount of ₹ 50,000 is deposited in bank for one year at the rate of 8% per annum compounded semi-annually.		
	a. ₹ 3,080	b.	₹ 4,080
	c. ₹ 5,456	d.	₹ 7,856
			PYQ June 19
11C	Let a person invest a fixed sum at the end of each month in an account paying interest 12% per year compounded monthly. If the future value of this annuity after the 12th payment is ₹ 55,000 then the amount invested every month is?		
	a. ₹ 4,837	b.	₹ 4,637
	c. ₹ 4,337	d.	₹ 3,337
			PYQ Nov. 20
12B	Find the present value of ₹ 1,00,000 to be required after 5 years if the interest rate be 9% . Given that $1.09^5 = 1.5386$		
	a. 78,995.98	b.	64,994.15
	c. 88,992.43	d.	93,902.12
			PYQ June 22
13A	ABC Ltd. Wants to lease out an asset costing ₹3,60,000 for a five year period. It has a fixed rental of ₹ 1,05,000, per annum payable annually starting from the end of first year. Suppose rate of interest is 14% per annum compounded annually on which money can be invested by the company. Is this agreement favourable to the company.		
	a. Yes	b.	No
	c. It depends	d.	None of these
			PYQ Nov. 18
14B	The number of words from the letters of the word BHARAT, in which B and H will never come together, is		
	a. 360	b.	240
	c. 120	d.	None of these
			PYQ Nov. 19
15A	In how many ways can 4 people be selected at random from 6 boys and 4 girls if there are to be exactly 2 girls?		
	a. 90	b.	360
	c. 92	d.	480
			PYQ July 21
16A	The number of terms of the series: 5 + 7 + 9+…… must be taken so that the sum may be 480.		
	a. 20	b.	10
	c. 15	d.	25

				PYQ Dec. 22
17D	In a GP 5th term is 27 and 8th term is 729. Find its 11th term?			
	a.	729	b.	6561
	c.	2187	d.	19683

				PYQ Nov. 20
18A	Two finite sets respectively have x and y number of elements. The total number of subsects of the first is 56 more than the total number of subsets of the second. The value of x and y respectively.			
	a.	6 and 3	b.	4 and 2
	c.	2 and 4	d.	3 and 6

				PYQ Dec. 21
19C	If $u(x) = \dfrac{1}{1-x}$, then $u^{-1}(x)$ is:			
	a.	$\dfrac{1}{x-1}$	b.	$1-x$
	c.	$1 - \dfrac{1}{x}$	d.	$\dfrac{1}{x} - 1$

				PYQ June 19
20C	Find the next number in the series: 7, 23, 47, 119, 167			
	a.	211	b.	223
	c.	287	d.	319

				PYQ Dec 22
21C	If 'FROZEN' is decoded as 'OFAPSG'. Tick the right option that depicts 'MOLTEN' written in this way?			
	a.	OFPOMN	b.	OFSMPN
	c.	OFUMPN	d.	OFUNPN

				PYQ Dec. 22
22B	Find the odd man out: 34, 105, 424, 2123, 12756			
	a.	12756	b.	2123
	c.	424	d.	34

				PYQ July 21
23C	One morning after sunrise, Vikram and Shailesh were standing in a down with their back towards each other. Vikram's shadow fell exactly towards left hand side. Which direction was Shailesh facing?			
	a.	South – West	b.	West
	c.	South	d.	East – South

		PYQ June 19

24C When a person faces north and walks 25m right then turns left and walks 20m, and again turns right and walks 25m, and turns right, and walks 25m, and turns right and walks 40m, in which direction is he now from his starting point?

a.	North – West	b.	North – East
c.	South – East	d.	South – West

	PYQ July 21

25A A, B, C, D, E, F and G are sitting in a row facing north:

1. F is to the immediate right of E.
2. E is 4th to the right of G
3. C is the neighbor of B and D
4. Person who is third to the left of D is at one of ends.
   Who are to the right of D?

a. E, F and A
b. G, B and C
c. C, B and E
d. G and B only

	PYQ Jan. 21

26A A, B, C and D are playing cards. A and B are partners. D faces towards North. If A faces West, then who faces south?

a. C
b. B
c. D
d. Data is inadequate

	PYQ Dec 22

27D Suresh's sister is the wife of Ram. Ram is Rani's brother. Ram's father is Madhur. Sheetal is Ram's grandmother. Rema is Sheetal's daughter-in-law. Rohit is Rani's brother's son. Who is Rohit to Suresh?

a.	Brother-in-law	b.	Son
c.	Brother	d.	Nephew

	PYQ June 19

28D Pointing to a woman in a picture, sumit said, she is the mother of my son's wife's daughter. How is lady related to the sumit?

a.	Uncle	b.	Cousin
c.	Daughter	d.	None of these

	PYQ June 22

29A If A $ B means A is father of B. A # B means A is daughter of B. A @ B means A is sister of B. Then how is K related to M if H @ K $ L # M

a.	Husband	b.	Uncle
c.	Father	d.	Grandson

30B A national institute arranged its student's data in accordance with different states. This arrangement of data is known as

a. Temporal Data
b. Geographical Data
c. Ordinal Data
d. Cardinal Data

31D Frequency density of a class interval is the ratio of _____.

a. Class frequency to the total frequency
b. Class length to class frequency
c. Class frequency to the cumulative frequency
d. Frequency of that class interval to the corresponding class length.

32B A student makes in five subject S1, S2, S3, S4 and S5 are 86, 79, 90, 88 and 89. If we need to draw a Pie chart to represent these markers, then what will be the Central angle for S3.

a. 103.2^0 b. 75^0
c. 105.6^0 d. 94.8^0

33A If there are 3 observations 15, 20, 25 then the sum of deviation of the observations from their AM is

a. 0   b. 5
c. -5   d. 10

34C The mean of 20 observation is 38. If two observation are taken as 84 and 36 instead of 48 and 63 find new means.

a. 38.45   b. 41.15
c. 37.55   d. 40.05

35B Find the mean of the following data

Class interval	Frequency
10-20	9
20-30	13
30-40	6
40-50	4
50-60	6
60-70	2
70-80	3

a. 23.7   b. 35.7
c. 39.7   d. 43.7

36B The 3rd decile for the numbers
15,10, 20, 25, 18, 11, 9, 12 is

a.	13	b.	10.70
c.	11.00	d.	11.50

37B The Geometric Mean of 3, 7, 11, 15, 24, 28, 30, 0 is

a.	6	b.	0
c.	9	d.	12

38B If the numbers are 5, 1, 8, 7, 2 then the coefficient of variation is:

a.	56.13%	b.	59.13%
c.	48.13%	d.	44.13%

39C Find the coefficient of mean deviation about mean for the data: 5, 7, 8, 10, 11, 13, 19

a.	17.28	b.	28.57
c.	32.11	d.	18.56

40C Three identical and balanced dice are rolled. The probability that the same number will appear on each of them is.

a.	$\dfrac{1}{6}$	b.	$\dfrac{1}{18}$
c.	$\dfrac{1}{36}$	d.	$\dfrac{1}{24}$

41B If p:q are the odds in favour of an event, then the probability of that event is -

a.	$\dfrac{p}{q}$	b.	$\dfrac{p}{p+q}$
c.	$\dfrac{q}{p+q}$	d.	$\dfrac{q}{p}$

42B If A speaks 75% of truth and B speaks 60% of truth. In what percentage both of them likely contradict with each other in narrating the same questions?

a.	0.60	b.	0.45
c.	0.65	d.	0.35

43B Find mode when n = 15 and p = $\dfrac{1}{4}$ in binominal distribution?

a.	4	b.	4 and 3
c.	4.2	d.	3.75

		PYQ June 19
44D	In Poisson distribution if $P(x = 4) = P(x = 5)$ then the parameter of Poisson distribution is:	
	a. $\dfrac{4}{5}$	b. $\dfrac{5}{4}$
	c. 4	d. 5

		PYQ Jan. 21
45D	For the set of observations $\{(1,2),(2,5),(3,7),(4,8),(5,10)\}$ the value of Karl-person's coefficient of correlation is approximately given by	
	a. 0.755	b. 0.655
	c. 0.525	d. 0.985

	PYQ June 19
46A	Determine Spearman's rank correlation coefficient from the given data $\sum d^2 = 30, n = 10$:
	a. $r = 0.82$
	b. $r = 0.32$
	c. $r = 0.40$
	d. None of these

	PYQ Jun 23
47C	For variables X and Y, we collect the four observations with $\sum x = 10; \sum y = 14; \sum x^2 = 65; \sum y^2 = 5$ and $\sum xy = 3$. What is the regression line of Y on X?
	a. $y = -0.8x - 5.5$
	b. $y = 0.8x - 5.5$
	c. $y = -0.8x + 5.5$
	d. $y = 0.8x + 5.5$

	PYQ Jan. 21
48A	When the prices for quantities consumed of all commodities are changing in the same ratio, then the index numbers due to Laspeyre's and Paasche's will be.
	a. Equal
	b. Unequal
	c. Reciprocal of Marshall Edge worth Index Number
	d. Reciprocal of Fisher Index Number

		PYQ Nov. 18
49A	If $\sum p_0 q_0 = 240, \sum p_1 q_1 = 480, \sum p_1 q_0 = 600$ and $\sum p_0 q_1 = 192$, then Laspeyre's Index Number is	
	a. 250	b. 300
	c. 350	d. 200

		PYQ July 21
50SC	The consumer price index goes up from 120 to 180 when salary goes up from 240 to 540, what is the increase in real terms?	
	a. 80	b. 150
	c. 100	d. 240