Question Paper Booklet No.

GENERAL INSTRUCTIONS TO CANDIDATES

7023992



- Please do not open this Booklet till you are told to do so.
- If the Question Paper Booklet does not contain 100 questions or if it is not of the medium opted or Answer Sheet is not in good condition, ask for change immediately.
- 3. Duration of the test is 2 hours.
- Before commencement of the exam, please fill up the necessary information in the space provided below and also
 in the answer sheet.
- 5. Use HB pencil only to darken the circles for answers in the answer sheet.
- After each question, four alternative answers are given. Choose one of the answers and darken the appropriate circle against the question number in the OMR Answer Sheet, completely, as shown below, with HB Pencil.

Marking the Answers				
Example: For Question No. 12, if the candidate	Not as shown below (Wrong method):			
considers, the correct answer to be	12 A B Ø D			
C, he is to mark as shown below (Correct Method)	12 (A) (B) (S) (D)			
20 200	12 A B O D			
12 (A) (B) (D)	12 A B O D			
	12 A D D			

- 7. Any answer marked in the question booklet will not be considered and no marks will be awarded.
- If a candidate wants to change the answer already darkened, he should erase it completely, with good quality
 eraser and ensure that no mark is visible after erasing.
- For each correct answer, one mark will be awarded. For each wrong answer, 1/4th of the mark earmarked for each
 question will be deducted. If more than one circle is darkened for a question, it will be treated as wrong answer. For
 questions not answered i.e. blanks, a zero will be given.
- Rough work, if any, must be done on the pages, specified as SPACE FOR ROUGH WORK only and nowhere else
 in the question paper booklet or in the answer sheet.
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Examination Body. Time: 2 Hours	Ma	ximum	Mark	s: 100
Total No. of Printed Pages : 24	Question Paper Booklet Code	$ \mathbf{S} $	P	K
Roll No. 404117 Question Paper Booklet No.	7023	99	2	
Name of the Candidate Mohd. Arbaz	Larso zeni			
OMR Answer 8 5 0 4 6 1 4	A	rbo	22	- 100
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1.	In which of the foll observations?	owing there is no impact of presence of extreme
	(A) Range	(B) Quartile deviation
	(C) Standard deviation	n (D) Variance
2.	If each observation of the new observation is	a set is divided by 10, then the Standard Deviation of:
	(A) $\frac{1}{100}$ th of Standard	Deviation of original observation.
	(B) $\frac{1}{10}$ of Standard	Deviation of original observation.
	(C) 100 times of Star	dard Deviation of original observation.
	(D) 10 times of Stand	lard Deviation of original observation.
3.		n of a moderately asymmetrical series are 70.8 and 68.6 nost probable mode is :
	(A) 75.2	(B) 64.2
	(C) 63.4	(D) 72.5
4.	For a moderately-ske holds?	wed distribution, which of the following relationship
	(A) Median - Mode :	= 3 (Mean – Median)
	(B) Mean - Mode = :	3 (Mean – Median)
	(C) Mean - Median	= 3 (Mean – Mode)
	(D) Mean - Median =	= 3 (Median – Mode)
		The second secon
5.	What is the coefficient	of range for the observations 20, 28, 32, 41, 48, 60?
	(A) 20	(B) 50
	(C) 40	(D) 200
	11	SPK

- Which one holds correct for any two events A and B?
 - (A) $P(A-B) = P(A) P(A \cap B)$
- (B) P(A B) = P(A) P(B)
- (C) $P(A B) = P(B) P(A \cap B)$
- (D) $P(A B) = P(B) + P(A \cap B)$
- 7. The Standard Deviation of the series 3, 6, 9, 12, 15 is:
 - (A) 6.36

(B) 4.24

(C) 4.12

- (D) 3.28
- 8. The quartile deviation of the distribution of the following data is:

4 5	6
8 4	1
8 4	

(A) 1

(B) 0

(C) 1/4

- (D) 1/2
- 9. Which of the following pairs of events are mutually exclusive ?
 - (A) A: Archna was born in India.
 - B: She is a fine lawyer.
 - (B) A: The student studies in a school.
 - B: He studies Geography.
 - (C) A: Sita is 16 years old.
 - B: She is a good folk dancer.
 - (D) A: Imran is under 15 years of age.
 - B: He is a voter of Delhi.

1/5, 1/4 and 1/3 respectively. Find the probability that at least two students

10. The probability of success of three students in CA Foundation examination are

	will	get success.		may			10.00
	(A)	3/4		(B)	2/5		43.
	(C)	1/6	here all	(D)	1/5		
			C				WIN.
11.	If D	$(\Lambda) = 0.65$ and	P(B) = 0.15, th	on D(X)	⊥ D (D) iα .		
11.			шලුණ. v – (a) т ഡ		POLICE CANADA PARA		
	(A)	1.2	67	(B)	1.5	41 19	
	(C)	0.8		(D)	0.35		
							47
12.				onstruct	ion site with the	following wage:	s for
	each	day of workin	ng (in ₹) :				
	500	, 620, 400, 700	, 450, 560, 320	, 450			
	If o	ne of the worl	kers is selected	at rand	om, what is the	probability that	t his
	wag	ge would be les	s than the avera	ige wage	?		
	(A)	0.375	13	(B)	0.625		
	(C)	0.500		(D)	0.450		
						i Pedaci	Marie Contract
13.	A b	ox contains sh	oe pairs of sam	e patterr	of different siz	es numbered fro	om 1
						probability that	
	num	ber on the sho	e pair will be a	multiple	of 5 or 6?		
	(A)	0.25	0	(B)	0.33		
	(C)	0.20	00	(D)	0.375		
			S			a great or	, eq. ,
14.	Two	cards are dra	wn at random	from a r	pack of 52 card	s. The probabili	ty of
17.			the red cards o			s. The probability	ly of
	556	0.4288		(B)	0.2488		
	250	0.8248		(D)	0.8428		
	(-)			W#H - #X			
				SPK			

15	In a class of 100 students, the mean marks was 50 with standard deviation
10.	in a class of 100 statement, are and a second of
	14.9. Assuming the distribution of marks to be normal, find the number of
	14.9. Assuming the distribution of many to be and a 10001
	students who obtained more than 70% marks [at $Z = 1.34$, area = 0.4099].

143	0
(A)	4
(n)	1

(B) 10

(C) 8

(D) 7

16. If a random variable X follows Poisson distribution such that P(X = 1) = P(X = 2), then the mean of the distribution is:

(A) 1

(B) 2

(C) 0

(D) 1/2

17. The quartile deviation of a normal distribution with Mean of 10 and Standard Deviation of 4 is:

(A) 3.20

(B) 2.70

(C) 0.675

(D) 6.75

18. If X and Y are 2 independent normal variables with mean as 10 and 12 and Standard Deviation (S.D.) as 3 and 4 respectively, then (X + Y) is normally distributed with:

(A) Mean = 22 and S.D. = 25

(B) Mean = 22 and S.D. = 7

(C) Mean = 22 and S.D. = 5

(D) Mean = 22 and S.D. = 49

19. The number of accidents in a year attributed to taxi drivers in a locality follows Poisson distribution with average 2. Out of 500 taxi drivers of that area, what is the number of drivers with at least 3 accidents in a year ? (Given that e = 2.718)

(A) 180

(B) 162

(C) 201

(D) 190

- 20. Which of the following statement is correct?
 - (A) Regression coefficients are independent of origin and scale.
 - (B) Both regression coefficients must be less than unity.
 - (C) The regression lines of two independent variables are parallel to each other.
 - (D) If two regression lines coincide with each other, there is no correlation between the variates.
- 21. Which one of the following statement is correct regarding limit of the two regression coefficients?
 - (A) Must be positive.
 - (B) No limit.
 - (C) One positive and the other negative.
 - (D) Product of the regression coefficients must be numerically less than unity.
- 22. In case of "Insurance companies' profits" and "The number of claims they have to pay", there exists a:
 - (A) Negative correlation
- (B) Positive correlation

(C) No correlation

- (D) It cannot be predicted
- 23. The variance of two variables 'x' and 'y' are 16 and 25 and covariance between 'x' and 'y' is 18.5. Another two variables 'u' and 'v' are defined as u = (x 3)/2 and v = (y 2)/3, then coefficient of correlation between 'u' and 'v' is:
 - (A) 0.875

(B) 0.85

(C) 0.90 ·

(D) 0.925

(7)	n	•
	м.	

24.	The consumer price index for the year 2023 is 273 with 2010 as base year. The
	average monthly wages of industrial worker in year
	the real wage?

(A) ₹3,000

(B) ₹ 2,800

(C) ₹3,200

(D) ₹3,400

25. Time Reversal test is satisfied by:

- (A) Paasche's method but not Laspeyre's method
- (B) Laspeyre's method but not Fisher's method
- (C) Fisher's method
- (D) Laspeyre's method and Fisher's method

26. The value index is equal to:

- (A) The total sum of the values of a given year plus the sum of the values of the base year.
- (B) The total sum of the values of a given year multiplied by the sum of the values of the base year.
- (C) The total sum of the values of a given year divided by the sum of the values of the base year.
- (D) The total sum of the values of a given year minus the sum of the values of the base year.
- 27. During a certain period the cost of living index goes up from 110 to 200 and the salary of a worker is also raised from ₹ 330 to ₹ 500, then in the real terms, the raise in salary is effectively-

(A) Gain by ₹ 75

(B) Gain by ₹ 50

(C) Loss by ₹ 90

(D) Loss by ₹ 50

- 28. Which one of the following test of adequacy is concerned with the measurement of price changes over a period of years, when it is desirable to shift the base?
 - (A) Time Reversal test

(B) Unit test

(C) Circular test

(D) Factor Reversal test

29.	What is the value of	$\left(\frac{x^b}{x^c}\right)^{(b+c-a)} * \left(\frac{x^c}{x^a}\right)^{(c+a-b)} * \left(\frac{x^a}{x^b}\right)^{(a+b-c)}$?
	(A) $x^{(a+b+c)}$	(B) rabc

(C) -1

(D) 1

30. A number consists of two digits. The digits in the ten's place is 3 times the digit in the unit's place. If 54 is subtracted from the number, then the digits are reversed. The number is:

(A) 62

(B) 39

(C) 93

(D) 31

31. A person purchased 2 apples and 5 bananas at the cost of ₹ 90. Later he visited to another shop where shopkeeper told him that if you give me ₹ 50 and one banana, I can give you 3 apples. He agreed to the deal. What is the cost of one apple and one banana?

(A) (10, 15)

(B) (15, 10)

(C) (10, 20)

(D) (20, 10)

32. The ratio of income of A and B is 5: 4 and their expenditure is 3: 2. If at the end of year each saves ₹ 1,600, then the income of A is:

(A) ₹3,600

(B) ₹3,400

(C) ₹4,000

(D) ₹4,400

33. The mean proportional between $12x^2$ and $27y^2$ is:

(A) 81xy

(B) 18xy

(C) 8xy

(D) 19.5xy

34. $\log_2 \log_2 \log_4 256 + 2 \log_{\sqrt{2}} 2$ is equal to :

(A) 3

(B) 2

(C) 5

(D) 7

35. A dietician recommends mixture of two kinds of foods to a person so that mixture contains at least 45 units of carbs, 25 units of protein, 15 units of fat and 15 units of fibre. The above contents of nutrients are available in the foods

as below	Carbs	Protein	Fat	Fibre
Food-1	20	5	3	2
Food-2	10	2	4	5

- If 'x' units of food-1 is mixed with 'y' units of food-2, how dietician recommendation can be expressed?
- (A) $20x + 10y \le 25$; $5x + 2y \ge 45$; $3x + 4y \le 15$; $2x + 5y \ge 15$; $x \ge 0$; $y \ge 0$
- (B) $20x + 10y \le 45$; $5x + 2y \ge 25$; $3x + 4y \le 15$; $2x + 5y \ge 15$; $x \ge 0$; $y \ge 0$
- (C) $20x + 10y \ge 45$; $5x + 2y \ge 25$; $3x + 4y \ge 15$; $2x + 5y \ge 15$; $x \ge 0$; $y \ge 0$
- (D) $20x + 10y \le 45$; $5x + 2y \le 25$; $3x + 4y \le 15$; $2x + 5y \le 15$; $x \ge 0$; $y \ge 0$
- 36. If one of the root of the equation $x^2 3x + k = 0$ is 1, then the value of 'k' is:
 - (A) 1

(B) 2

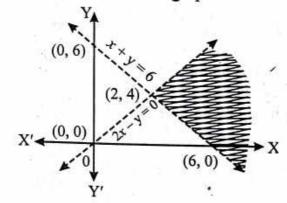
(C) -2

- (D) -1
- 37. If one of the root of the cubic equation $3x^3 5x^2 11x 3 = 0$ is $-\frac{1}{3}$, then other two roots are:
 - (A) -1 & 3

(B) 1 & 3

(C) 1 & -3

- -(D) -1 & -3
- 38. The shaded area is represented by which of the following option?
 - (A) x+y<6; 2x-y>0; x<0
 - (B) x+y>6; 2x-y>0; x>0
 - (C) x+y>6; 2x-y<0; x>0
 - (D) x+y>6; 2x-y>0; x<0



39.						ate of 10% per value of the made	
* (₹ 72,	900, then ma	chine's wo	rth 3 years ago	o was :		
	(A)	₹ 80,000		(B)	₹ 94,710		
	(C)	₹ 1,00,000		(D)	₹ 75,087		
40.	depo	sited in a nat	ionalized b		ear, correspon	amount of ₹ nding to a nomin	
	(A)	6.07%		(B)	6.06%		
	(C)	6.08%		(D)	6.09%		
41.						count after three	
	Hov	v much amou	nt should sl	6.7	to achieve h	er target amoun	t?
	(A)	₹ 4,37,500		(B)	₹ 4,09,600		
	(C)	₹ 46,900		(D)	₹ 49,600		
42.		sum require ple interest is		monthly inte	erest of ₹ 1,2	00 at 18% per	annum
	(A)	₹ 60,000		(B)	₹ 50,000		
	(C)	₹ 80,000	X. P	(D)	₹ 66,000		20
43.		compound ir 6 months is:		40,000 at 129	% per annum	compounded q	
	(A)	₹ 2,463	· ·	(B)	₹ 2,643		the official in
2	(C)	₹ 2,364	A STATE OF THE STA	(D)		to sale and the	
44.	inte	certain rate rest and simp nterest per ani	le interest	per annum, th on ₹ 3,00,000	e difference for two years	between the cons is ₹ 480, then	npound the rate
	(A)	4%		(B)	2%		
	(C)	6%		(D)	8%		
				SPK			•

45. What is the present value of ₹ 1,000 to be received after two years compounded annually at 10% interest rate?

(A) ₹826

N

(B) ₹800

(C) ₹836

239

(D) ₹835

46. Mr. X makes a deposit of ₹ 12,000 in a bank where the amount doubles at compound interest in 5 years, then what will be the total amount he will have after twenty years?

(A) ₹1,20,000

(B) ₹96,000

(C) ₹ 1,24,000

(D) ₹1,92,000

47. The Earning Per Share (EPS) of a company for five years is given below:

Year	2019	2020	2021	2022	2023
EPS	40	25	40	60	90

Calculate the Compounded Annual Growth Rate (CAGR) of EPS.

(A) 23.47%

(B) 24.47%

(C) 22.47%

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(D) 21.47%

48. In an account paying interest @ 9% per year compounded monthly, ₹ 200 is invested at the end of each month. What is the future value of this annuity after 10th payment?

{Where $(1.0075)^{10} = 1.0775$ }

(A) ₹2,066

(B) ₹1,022

(C) ₹ 2,044

(D) ₹2,155

49.	A Perpetuity has a cash flow of ₹ 625 and a required rate of return of 8%. If
	the cash flow is expected to grow at a constant rate of 4% per year, then the
	intrinsic value of this perpetuity (present value of growing perpetuity) is:

(A) ₹ 13,000

(B) ₹ 15,625

(C) ₹ 14,250

(D) ₹16,667

50. What is the annual contribution required by an organization to accumulate ₹ 20,00,000 in ten years for the construction of a new manufacturing plant, utilizing a sinking fund with an annual interest rate of 6% compounded annually?

{Where A(10, 0.06) = 13.180785}

(A) ₹ 1,67,440.90

- (C) ₹ 1,75,433.60
- (B) ₹1,51,736.03 (D) ₹1,83,714.28

51. An investor intends to purchase a three year ₹ 1,000 par value bond having nominal interest rate of 10%. At what price the bond may be purchased now, if it matures at par and the investor requires a rate of return of 14%?

(A) ₹ 907.125

(C) ₹905.25

A loan of ₹ 16,550 is to be paid in three equal annual instalments at compound interest. The value of annual instalment, if the rate of interest is 10% per annum is:

(A) ₹1,243

(B) ₹ 6,655

(C) ₹ 6,565

(D) ₹1,343

53.	Prin eligi	cipal. An ible for th	nongst the six of Princ	candidates cal	lled fo	ncipal and two posts of Vi or the interview, only two six are eligible for the post ations for the selection is:	are
	(A)	12		(B)		0	
	(C)	18		(D)		239	
54.	If ea	ım. The p	principal and the	e interest are t	o be p	at 2.76% Simple Interest poald in 10 monthly instalmen one, find the value of the la	ts.
	(A)	4,608		(B)	1,024	4	
	(C)	9,207	14	(D)	4,096	6	
55.	that		irls can sit toge			ed to sit in a row in such a w how many different ways th	
	(A)	480		(B)	60		
	(C)	720		(D)	1,440	0	
56.	1, 2,	3, 4, 5, 6	tal combination 6, 7 & 8, taking even numbered	4 counters a	t a tin	8 different counters marked ne and there being at least on bination?	as
	(A)			(B)		63	
	(C)	64		(D)	62	20	.r. /
						20 HE 1 11222 0	

57. In a party every person shakes hands with every other person. If there are 105 handshakes in total, find the number of persons in the party.

(A) 15

(B) 14

(C) 21

(D) 22

- 58. Let $A = \{1, 2, 3\}$ and consider the relation $R = \{(1, 1), (2, 2), (3, 3), (1, 2), (2, 3), (1, 3)\}$, then R is
 - (A) Reflexive but not symmetric
 - (B) Reflexive but not transitive
 - (C) Symmetric and Transitive
 - (D) Neither symmetric nor transitive
- 59. If $f(x) = x^2 + x 1$ and 4f(x) = f(2x), then find the value of 'x'.
 - (A) 2/3

(B) 3/2

(C) 3/4

- (D) 4/3
- 60. If for an infinite geometric progression, first term is 'a', common ratio is 'r', the sum is 8 and the second term is $\frac{7}{8}$, then:
 - (A) $a = 4 \& r = \frac{7}{16}$
- (B) $a = 3 \& r = \frac{7}{24}$

- (C) $a = 7 \& r = \frac{1}{8}$
- (D) $a = 2 \& r = \frac{7}{32}$
- 61. The numbers x, 8, y are in G.P. and the numbers x, y, -8 are in A.P. The values of x and y respectively shall be:
 - (A) 4, 16

(B) 16, 4

(C) 4, 8

- (D) 8, 4
- 62. If fourth term of A.P. series is zero, then what is the ratio of twenty-fifth term to eleventh term?
 - (A) 4

(B) 5

(C) 3

(D) 2

- 63. If $x = t^2$ and $y = t^3$, then $\frac{d^2y}{dx^2}$ is equal to:
 - (A) $\frac{3}{4t}$

(B) $\frac{31}{2}$

(C) $\frac{3}{2t}$

- (D) $\frac{3}{2}$
- 64. $\int \log_e x \, dx$ is equal to:
 - (A) $x \log_e \left(\frac{x}{e}\right) + c$

(B) $x \log_e(ex) + c$

(C) $x \log_e \left(\frac{e}{x}\right) + c$

- (D) $\log_e\left(\frac{x}{e}\right) + c$
- 65. If a set contain n elements, then the total number of proper subsets of set is:
 - (A) $2^{n}-1$

(B) 2ⁿ

(C) 2ⁿ⁻¹

- (D) $2^{n}-2$
- 66. A town has a total population of 50,000. Out of it 28,000 read the newspaper 'X' and 23,000 read newspaper 'Y', while 4,000 read both the newspapers. The number of persons not reading any of the two newspapers are:
 - (A) 3,000

(B) 2,000 '

(C) 2,500

- (D) 5,000
- 67. If $x^y \times y^x = 16$, then the value of $\frac{dy}{dx}$ at (2, 2) is :
 - (A) 0

(B) -1

(C) 2

(D) -2

- Find the odd man out from the following series: 7, 23, 47, 119, 171, 287
 - (A) 171

(B) 119

(C) 287

- In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192. 69. How is PILLER written in that code?
 - (A) 318286

(B) 318826

(C) 618826

- (D) 338816
- AZ, GT, MN,...., YB, EV. The value at blank space (....) will be:
 - (A) SH

(B) JH

- (C) SK (D) TS

 71. Evaluate the following integral $\int \frac{1}{x(x^5+1)} dx$.
 - (A) $\frac{1}{5}\log\left(\frac{x^5}{x^5+1}\right) + c$
- (B) $\log\left(\frac{x^5}{x^{5+1}}\right) + c$
- (C) $\frac{1}{3} \log \left(\frac{x^5}{x^5 + 1} \right) + c$
- (D) $\frac{1}{3} \log \left(\frac{x^5 + 1}{x^5} \right) + c$

3, 6,12, 24,

- Find the next number in the series 2, 5, 11, 23, 47, ...
 - (A) 95

(B) 84 (D) 105

(C) 98

- If TAP is coded as SZO in a language, then how is FRIEND coded in same language?
 - (A) QEDHCM

(B) CMDHQE

(C) EQIENE

(D) EQHDMC

74.	One morning after sunrise, A and very closely at a crossing point. If I	nd B were talking to each other face to f B's shadow was exactly to the right of A		
	which direction B was facing?	N	a.	

(A) West

(B) East

(C) North

(D) South

75. In a multi-storey building on one floor there are six flats in two rows facing East and West and they are allotted to A, B, C, D, E, and F. B gets an East facing flat, which is not next to D. F and D gets diagonally opposite flat. A gets a West facing flat and E gets an East facing flat. Whose flat is between A and F?

(A) C

(B) B

(C) D

(D) F

76. Balkrishna is Ritik's neighbour and his house is 200 meters away in the north-west direction from Ritik's house. Jayendra is Ritik's neighbour and his house is located 200 meters away in the south-west direction from Ritik's house. Girdhari is Jayendra's neighbour and he stays 200 meters away in the south-east direction from Jayendra's house. Ritik is Girdhari's neighbour and his house is located 200 meters away in north-east direction from Girdhari's house. Then where is the position of Ritik's house in relation to Balkrishna's?

(A) South-West

(B) South-East

(C) North

(North-East

77. If Ajay stands on his head with his face towards North, in which direction will his left hand point?

(A) North

(B) North-East

(C) East

(D) North-West

78.	If K	Ciran put l	ier time-pie	ece on the	table in	n such a way	that at 6:0	0 PM, ho	our
						minute hand			
1.0	(A)	North-W	est		(B)	South-East			
55 1 gr	(C)	East	:= *		P023	West			
79.	Six	persons A	A, B, C, D	, E and F	are sitt	ing in a row	in a straigh	nt line. B	is
	betv	veen F &	D. E is bet	ween A &	CNA do	es not sit ne	xt to F or D	, C does r	not
						lowing perso			
((A)	B & C	24		(B)	B & E			
55	(C)	B&D			9023	B & A		10	
80.	In a	school	cultural co	mmittee n	neeting.	four girls l	Dipti, Arun	a. Chand	lra.
					100000	rendra, Esha			
0			e, facing ea					5 u o	
	(i)	No two	girls or boy	s are sittin	ig side l	y side.	20 U	7. 1	
	(ii)	Chandra	, who is sit	ting betwe	en Gau	tam and Esha	an, is facin	g Dipti.	
	(iii)	Faneesh	is between	Dipti and	Aruna	and facing G	autam.		
-	31 NEX		a is to the r		CO				
	Iden	tify the p	erson whor	n Eshaan i	sfacing	ţ.			
	(A)	Bindu			(B)	Faneesh			
	(C)	Gautam			(D)	Harendra			

					D	-		
Not	gı	ven below:				and answer the		
	fa	ade to stand cing a perso	d in two rows on in the other	in such r row. M	a wa	lit into groups of that a person in the ends of a fit of D, who is fa	n one row any row an	15 CAucti
81.	Wh	ich of the fo	ollowing perso	ons are i	n the	same rów ?		
		BMJ	Same and				and he	
	(C)	MJK	Table 212			The state of the s		
			ligation.	4-11	-191			16 1 12
82.	Who	o is to the i	mmediate left	of B?				
	(A)	J			(B)	M		
	(C)	,D		n 2 4	(D)	к 3	•	ď a
83.	Cha sitti	ndresh is s	itting left to Kuldeep, Priy	Kuldeej yanka is	but sittin	ing in a row are on the right to g right to Gayatr n sitting in the m	Diksha, R	Reshma is o Diksha.
	(A)	Diksha		4	(B)	Chandresh		
	(C)	Gayatri			(D)	Priyanka		
84.		B's Father	The second secon	other. D	is C's	Son. E is A's n	nother. Th	en how is
	(A)	Grandson	- 187		(B)	Uncle		
* * .	(C)	Granddau	ghter		(D)	Father		Ť a
85.	only		grandfather'	", then l	iow i	nn said "The fat s that woman re		
-	(A)	Sister	17,000	to pro-	(B)	Daughter		-1,11
	(C)	Mother		==1,00	(D)	Aunty		

86. The Secondary data is collected by:

							1.6	
	(A)	Observation metho	d,	2 3				
	(B)	International sourc	e like World	Bank	ε			
	(C)	Interview method.						
	(D)	Mailed questionnai	re method.	-				
87.	Exit	polls are an exampl	e of which n	nethod	d of collecti	ng data ?		
	(A)	Investigation			Random s			e Si
	(C)	Census		18 .5	Quota san		27	
				2 8	e de	1 1 1	9 2	1
88.	cont cont	amily consists of six oles. Q is a doctor tractor; S is grandmo tractor, one Professo is the husband of P.	and father other of T an r, one house	of T	; U is gra house-wife	andfather of There is or	f R and is	a ne
	(A)	S		(B)	T	- 3		
	(C)	R	- *	(D)	Q			
		41:	1					
89.		the son of Q while (is son of T, how S is			to one anot	her. T is the	mother of	R.
	(A)	Cousin		(B)	Brother			
	(C)	Maternal uncle		(D)	Nephew	4.4	F10	
		3.8				7 8 4		
90.		thya is the daughter- n of Shailesh and or ak?					the property of the property of the	
	(A)	Aunty	TOTAL S	(B)	Sister-in-l	aw .		
	(C)	Cousin		(D)	Wife		(f)	
ŝi)				SPK				
			*			*		

91.	The	Ogive can be used for making			
	(A)	medium term projection	(B)	short term projection	
	(C)	long term projection	(D)	group frequency distribution	
92.	Nun	nerical data presented in descript	ive fo	rm are called:	
	(A)	Tabular presentation	(B)	Classified presentation	
	(C)	Textual presentation	(D)	Graphical presentation	
93.	The	distribution of commuters com	ing to	a Metro station from early morning	
	hou	rs to peak morning hours follows	s whic	h type of frequency curve?	
	(A)	J-shaped curve	(B)	Bell shaped curve	
	(C)	U-shaped curve	(D)	Mixed curve	
				# 1X	
94.	Wha	at is the range of a data set?			
	(A)	The difference between the me	an and	d median of the data set	
= 0	(B)	The difference between the hig	hest a	nd lowest values in the data set	
	(C)	The number of data points in th	ne data	ı set	
	(D)	The standard deviation of the d	lata se	r 19 and r 15 no 15 pag	
	3 3 3 3 3	militaria	301.3		-
95.	Seri	es in which frequencies are co	ontinu	ously added corresponding to each	h
NE EST		s interval in the series :			
C	(A)	Cumulative frequency series	(B)	Frequency	
V-	(C)	Deviation	(D)	Mid value	
V1.0200			*	4 43.19	
*			SPK		

96.	The mean of a group X is 70 and the mean of group Y is 85. If the number of
	observations in group Y is five times that of group X, then the combined mean
	of both the groups is:

(A) 80

(B) 75

(C) 77.5

(D) 82.5

97. The Median of the following frequency distribution is:

x	0-10	10 - 20	20 – 30	30 – 40	40 – 50
f(x)	8	- 30	40	12	10

(A) 22.5

(B) 33

(C) 23

(D) 24

98. What type of data is most appropriate for representing using a Pie chart?

(A) Categorical data

(B) Continuous data

(C) Ordinal data

(D) Interval data

99. If the class intervals of certain data are 10-14, 15-19, 20-24, then the first class boundaries is

(A) 10-14

(B) 9.5-14.5

(C) 10-15

(D) 10.5-15.5

100. What is the purpose of stratified random sampling?

- (A) To divide the population into subgroups and then randomly sample from each subgroup.
- (B) To ensure that every individual in the population has an equal chance of being selected.
- (C) To select individuals based on their availability and convenience.
- (D) To select a fixed percentage of the population without any specific criteria.