

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.
OBJECTIVE KEY FOR INTERMEDIATE 1ST ANNUAL EXAMINATION, 2025

Name of Subject: Business Statistics Paper - II Group: _____

Q. Nos	Paper Code 4641	Correct Answer	Paper Code 4643	Correct Answer	Paper Code 4645	Correct Answer	Paper Code 4647	Correct Answer								
1	A	Variable	B	Permutation	D	9	'B	Minimum								
2	C	Tabulation	A	variable	C	Simple Index	C	Median								
3	D	class Interval	C	Tabulation	B	Geometric Mean	D	9								
4	B	Minimum	D	class Interval	A	26/52	C	Simple Index								
5	C	Median	B	Minimum	B	Permutation	B	Geometric Mean								
6	D	9	C	Median	A	variable	A	26/52								
7	C	Simple Index	D	9	C	Tabulation	B	Permutation								
8	B	Geometric Mean	C	Simple Index	D	class Interval	A	variable								
9	A	26/52	B	Geometric Mean	B	Minimum	C	Tabulation								
10	B	Permutation	A	26/52	C	Median	D	class Interval								
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
Cross Check	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Total	02	03	03	02	02	03	03	02	02	03	03	02	02	03	03	02

سرٹیفکیٹ بابت صحیح سوال پرچہ / مارکنگ Key

Business Statistics پرچہ II گروپ _____ انٹرمیڈیٹ پہلا سالانہ امتحان 2025 کے لیے یہ پرچہ انکمپوزیشن (Subjective & Objective) کو نظر میں رکھ کر لیا ہے یہ پرچہ Syllabus کے تین مطابق Set کیا گیا ہے۔ اس پرچہ پرچہ میں کسی قسم کی غلطی نہ ہے۔ ہم نے سالانہ پرچہ کو اردو، انگریزی Version بھی چیک کر لیا ہے۔ یہ Version آپس میں مطابقت رکھتے ہیں۔ نیز اس پرچہ کی Key (MCQs) کی بہت تعداد تھی جاتی ہے اس میں بھی کسی قسم کی کوئی غلطی نہ ہے۔ اس پرچہ کی Key بنانے سے متعلق دفتر کی جانب سے تیار کردہ ہدایات اس کے اوپر دی گئی ہیں۔ اس پرچہ کی Key بنائی ہے۔ نیز اس پرچہ کی Key بنائی ہے۔ نیز اس پرچہ کی Key بنائی ہے۔ نیز اس پرچہ کی Key بنائی ہے۔

Prepared & Checked By:

Date: 07-05-2025

S.#	Name	Designation	Institution	Mobile No	Signature
1	KHALID NAVEED	Assistant Professor	Govt Graduate College Civil Line Khanewal	03004902596	
2	MADHA MUSHTAQ	SSS	GGHSS Taty pur Multan	03059917258	
3	M. Irfan Umar	SSS	Govt. Lab. Model HSS Bostan Road, Multan	03006346983	
4					
5					

2025 (1 st -A) INTERMEDIATE PART-II (12 th Class)				Roll No: _____					
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II									
TIME ALLOWED: 1.45 Hours		SUBJECTIVE		MAXIMUM MARKS: 40					
NOTE: Write same question number and its parts number on answer book, as given in the question paper.									
SECTION-I									
2. Attempt any six parts.					6 × 2 = 12				
(i)	What are functions of Statistics?								
(ii)	Define Discrete variable. Give example.								
(iii)	Define Primary data.								
(iv)	What is Tabulation?								
(v)	Define Frequency distribution.								
(vi)	Differentiate between Simple and Multiple bar chart.								
(vii)	What is an event?								
(viii)	Write the sample space when three coins are tossed.								
(ix)	Define Equally likely events.								
3. Attempt any six parts.					6 × 2 = 12				
(i)	What do you understand by measures of location?								
(ii)	Find median of the data 1, 4, 0, 6, 9.								
(iii)	Calculate arithmetic mean if $D = X - 70$, $n = 10$ and $\sum D = -150$.								
(iv)	Enlist any two properties of arithmetic mean.								
(v)	Write disadvantages of mode.								
(vi)	Differentiate between uni-modal and bi-modal distribution.								
(vii)	Explain fixed base method in construction of index numbers.								
(viii)	Define unweighted index number.								
(ix)	Describe link relatives.								
SECTION-II									
NOTE: Attempt any two questions.					2 × 8 = 16				
4.(a)	Following are the number of mistakes made by the typists. Make frequency distribution of the data: 5, 6, 0, 5, 8, 4, 3, 5, 7, 9, 4, 7, 8, 6, 8, 3, 2, 7, 1, 4, 5, 9, 6, 4, 5, 10, 5, 4, 9, 6.					04			
(b)	Draw a frequency polygon of the following group data:					04			
	Class	65 – 69	70 – 74	75 – 79	80 – 84	85 – 89			
	f	1	2	4	5	4			
5.(a)	Find arithmetic mean by shortcut method by taking $D = X - 20$, where $A = 20$					04			
	$D = X - 20$	-16	-12	-8	-4	0	4	8	12
	f :	1	9	21	47	52	36	19	3
(b)	Find the median for the data given below:					04			
	Class interval:	100 – 200	200 – 300	300 – 400	400 – 500	500 – 600			
	Frequency:	15	18	30	20	17			
6.(a)	Calculate Paasche's price index number for 2001 taking 2000 as base year:					04			
	Commodity	Years							
		2000		2001					
		Price	Quantity	Price	Quantity				
		Wheat	30	110	32	112			
		Rice	40	100	38	110			
	Jawar	25	50	22	85				
	Maize	10	40	15	50				
(b)	A bag contains 10 white and 6 black balls. A ball is drawn from it. Find the probability that a black ball came out.					04			

Paper Code Number: 4641		2025 (1 st -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II					
TIME ALLOWED: 15 Minutes		OBJECTIVE		MAXIMUM MARKS: 10	
Q.No.1	You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.				
S.#	QUESTIONS	A	B	C	D
1	A characteristics that varies from one individual to another is called:	Variable	Constant	Attribute	Parameter
2	The process of arranging data into rows and column is called:	Frequency distribution	Classification	Tabulation	Array
3	The difference between two consecutive upper class limits are:	Class marks	Class frequency	Class limit	Class interval
4	The sum of square of deviation from Mean is:	Zero	Minimum	Negative	Maximum
5	We must arrange the data before calculating:	Arithmetic mean	Mode	Median	None of these
6	The mode of 2, 4, 4, 5, 6, 8, 8, 9, 9, 9 is:	4	6	8	9
7	In index number computed for single commodity is called;	Aggregative index	Composite index	Simple index	Weighted index
8	The most suitable average for index number is:	Arithmetic mean	Geometric mean	Median	Mode
9	The probability of getting a black card is:	$\frac{26}{52}$	$\frac{13}{52}$	$\frac{4}{52}$	$\frac{12}{52}$
10	An orderly arrangements of objects is called:	Combination	Permutation	Sample space	Factorial

89(Obj)(★)-2025(1st-A)-2700 (MULTAN)

Paper Code Number: 4643		2025 (1 st -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II					
TIME ALLOWED: 15 Minutes		OBJECTIVE		MAXIMUM MARKS: 10	
Q.No.1	You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.				
S.#	QUESTIONS	A	B	C	D
1	An orderly arrangements of objects is called:	Combination	Permutation	Sample space	Factorial
2	A characteristics that varies from one individual to another is called:	Variable	Constant	Attribute	Parameter
3	The process of arranging data into rows and column is called:	Frequency distribution	Classification	Tabulation	Array
4	The difference between two consecutive upper class limits are:	Class marks	Class frequency	Class limit	Class interval
5	The sum of square of deviation from Mean is:	Zero	Minimum	Negative	Maximum
6	We must arrange the data before calculating:	Arithmetic mean	Mode	Median	None of these
7	The mode of 2, 4, 4, 5, 6, 8, 8, 9, 9, 9 is:	4	6	8	9
8	In index number computed for single commodity is called;	Aggregative index	Composite index	Simple index	Weighted index
9	The most suitable average for index number is:	Arithmetic mean	Geometric mean	Median	Mode
10	The probability of getting a black card is:	$\frac{26}{52}$	$\frac{13}{52}$	$\frac{4}{52}$	$\frac{12}{52}$

89(Obj)(☆☆)-2025(1st-A)-2700 (MULTAN)

Paper Code Number: 4645		2025 (1 st -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II					
TIME ALLOWED: 15 Minutes		OBJECTIVE		MAXIMUM MARKS: 10	
Q.No.1	You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.				
S.#	QUESTIONS	A	B	C	D
1	The mode of 2, 4, 4, 5, 6, 8, 8, 9, 9, 9 is:	4	6	8	9
2	In index number computed for single commodity is called;	Aggregative index	Composite index	Simple index	Weighted index
3	The most suitable average for index number is:	Arithmetic mean	Geometric mean	Median	Mode
4	The probability of getting a black card is:	$\frac{26}{52}$	$\frac{13}{52}$	$\frac{4}{52}$	$\frac{12}{52}$
5	An orderly arrangements of objects is called:	Combination	Permutation	Sample space	Factorial
6	A characteristics that varies from one individual to another is called:	Variable	Constant	Attribute	Parameter
7	The process of arranging data into rows and column is called:	Frequency distribution	Classification	Tabulation	Array
8	The difference between two consecutive upper class limits are:	Class marks	Class frequency	Class limit	Class interval
9	The sum of square of deviation from Mean is:	Zero	Minimum	Negative	Maximum
10	We must arrange the data before calculating:	Arithmetic mean	Mode	Median	None of these

89(Obj)(☆☆☆)-2025(1st-A)-2700 (MULTAN)

Paper Code Number: 4647		2025 (1 st -A) INTERMEDIATE PART-II (12 th Class)		Roll No: _____	
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II					
TIME ALLOWED: 15 Minutes		OBJECTIVE		MAXIMUM MARKS: 10	
Q.No.1	You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.				
S.#	QUESTIONS	A	B	C	D
1	The sum of square of deviation from Mean is:	Zero	Minimum	Negative	Maximum
2	We must arrange the data before calculating:	Arithmetic mean	Mode	Median	None of these
3	The mode of 2, 4, 4, 5, 6, 8, 8, 9, 9, 9 is:	4	6	8	9
4	In index number computed for single commodity is called;	Aggregative index	Composite index	Simple index	Weighted index
5	The most suitable average for index number is:	Arithmetic mean	Geometric mean	Median	Mode
6	The probability of getting a black card is:	$\frac{26}{52}$	$\frac{13}{52}$	$\frac{4}{52}$	$\frac{12}{52}$
7	An orderly arrangements of objects is called:	Combination	Permutation	Sample space	Factorial
8	A characteristics that varies from one individual to another is called:	Variable	Constant	Attribute	Parameter
9	The process of arranging data into rows and column is called:	Frequency distribution	Classification	Tabulation	Array
10	The difference between two consecutive upper class limits are:	Class marks	Class frequency	Class limit	Class interval

89(Obj)(☆☆☆☆)-2025(1st-A)-2700 (MULTAN)