

(64) (1)

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.
OBJECTIVE KEY FOR INTERMEDIATE 2nd ANNUAL EXAMINATION, 2024

Name of Subject: B. Stat II Group:

Q. Nos	Paper Code	Correct Answer	Paper Code	Correct Answer	Paper Code	Correct Answer	Paper Code	Correct Answer
	4641		4643		4645		4647	
1	A	Parameter	D	92	D	Geometric Mean	C	Four
2	C	360°	A	Mean	C	Not fixed	B	one
3	A	Top of table	D	Geometric Mean	C	Four	A	Parameter
4	B	Median	C	Not fixed	B	one	C	360°
5	D	92	C	Four	A	Parameter	A	Top of table
6	A	Mean	B	one	C	360°	B	Median
7	D	Geometric Mean	A	Parameter	A	Top of Table	D	92
8	C	Not fixed	C	360°	B	Median	A	Mean
9	C	Four	A	Top of Table	D	92	D	Geometric Mean
10	B	one	B	Median	A	Mean	C	Not fixed
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	3 2 3 2		3 2 3 2		3 2 3 2		3 2 3 2	

مرثقیٹ بابت صحیح سوالیہ پرچہ امارنگ Key

ہم نے مضمون Business Statistics پرچہ II گروپ Commerce انٹرمیڈیٹ دوسرا سالانہ امتحان 2024 کا سوالیہ پرچہ انشائیہ و معروضی (Subjective & Objective) کو بنظر عین چیک کر لیا ہے یہ پرچہ Syllabus کے عین مطابق Set کیا گیا ہے۔ اس سوالیہ پرچہ میں کسی قسم کی کوئی غلطی نہ ہے۔ ہم نے سوالیہ پرچہ کا اردو اور انگریزی Version بھی چیک کر لیا ہے۔ یہ Version آپس میں مطابقت رکھتے ہیں۔ نیز اس پرچہ کی معروضی (MCQs) Key کی بابت تصدیق کی جاتی ہے کہ اس میں بھی کسی قسم کی کوئی غلطی نہ ہے۔ مزید یہ کہ ہم نے Key بنانے سے متعلق دفتر کی جانب سے تیار کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کر لیا ہے اور ان کی روشنی میں Key بنائی ہے۔ نیز سب ایگزامینرز کیلئے تفصیلی مارکنگ ہدایات / مارکنگ سکیم / Rubrics بھی تیار کر دی گئی ہیں۔

Prepared & Checked By:

Dated: 24-10-24

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4					
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Paper Code Number: 4641		2024 (2 nd -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 numerical quantity computed from population data is:	Parameter	Statistic	Constant	Continuous
2	Total angle of a pie chart is:	180°	300°	360°	380°
3	A title is written at the:	Top of table	Bottom of the table	Behind the table	Centre the table
4	We must arrange the data, before calculating:	Mean	Median	Mode	Weighted mean
5	The mean of ten numbers is 9.2, the sum of numbers:	82	72	102	92
6	Sum of deviation is zero, if it is taken from:	Mean	Median	Mode	Geometric mean
7	Which of the given average is most suitable in index number?	Arithmetic mean	Median	Mode	Geometric mean
8	In chain base method, the base period is:	Fixed	Constant	Not fixed	Zero
9	The sample space of two coins will contain the outcomes:	Two	Three	Four	Six
10	The probability of an event can never be greater than:	Zero	One	Two	Three

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Paper Code Number: 4643		2024 (2 nd -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.				
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7	A numerical quantity computed from population data is:	Parameter	Statistic	Constant	Continuous
8	Total angle of a pie chart is:	180°	300°	360°	380°
9	A title is written at the:	Top of table	Bottom of the table	Behind the table	Centre the table
10	We must arrange the data, before calculating:	Mean	Median	Mode	Weighted mean

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Paper Code Number: 4645		2024 (2 nd -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.				
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10	Sum of deviation is zero, if it is taken from:	Mean	Median	Mode	Geometric mean

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Paper Code Number: 4647		2024 (2 nd -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 sample space of two coins will contain the outcomes:	Two	Three	Four	Six
2	The probability of an event can never be greater than:	Zero	One	Two	Three
3	A numerical quantity computed from population data is:	Parameter	Statistic	Constant	Continuous
4	Total angle of a pie chart is:	180°	300°	360°	380°
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6	We must arrange the data, before calculating:	Mean	Median	Mode	Weighted mean
7	The mean of ten numbers is 9.2, the sum of numbers:	82	72	102	92
8	Sum of deviation is zero, if it is taken from:	Mean	Median	Mode	Geometric mean
9	Which of the given average is most suitable in index number?	Arithmetic mean	Median	Mode	Geometric mean
10	In chain base method, the base period is:	Fixed	Constant	Not fixed	Zero

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2024 (2 nd -A)					Roll No: _____					
INTERMEDIATE PART-II (12 th Class)										
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)	Explain briefly statistics.									
(ii)	Distinguish between Primary and Secondary Data.									
(iii)	Define Qualitative Variable with example.									
(iv)	Differentiate between Graph and Diagram.									
(v)	Compute Range(R) if class interval(h) = 10 and No. of groups(K) = 7.									
(vi)	Describe class boundaries.									
(vii)	Define sample space.									
(viii)	Explain briefly random experiment.									
(ix)	Define permutations.									
3. Attempt any six parts.								6 × 2 = 12		
(i)	Why are averages called measures of central tendency?									
(ii)	If $\sum(X-15)^2 = 868$, $\sum(X-16)^2 = 720$, $\sum(X-20)^2 = 982$. What is the value of mean and why?									
(iii)	Find median of 0, -1, 2, 5, 3, 6, 5, 7.									
(iv)	Define mode with example.									
(v)	If you have $\sum fX = 308$, $\sum f = 30$. Can we find the mean and what is it?									
(vi)	Define median with example.									
(vii)	What does an index number measure?									
(viii)	Write short note on price relatives.									
(ix)	Given $\sum p_0q_0 = 1500$, $\sum p_nq_0 = 2040$. Find base year weighted index number.									
SECTION-II										
NOTE: Attempt any two questions.								2 × 8 = 16		
4.(a)	Construct a frequency distribution using a class interval of 5 and 45 as the lowest class limit. 65.7, 63.9, 72.1, 70.8, 71.8, 46.2, 73, 74.2, 79.4, 74.6, 59.4, 77.6, 55.9, 81.9, 55.9, 75.2, 81.8, 82.7, 74.2, 68.9, 82.9, 67.6, 88.1, 77.8, 82.7, 64.2, 69.4, 83.2, 73.8, 64.2, 58.3, 53.4, 86.1, 67.7, 65.1.									4
(b)	Draw Histogram for the following distribution:									4
Group		5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40		
Frequency		3	8	16	25	2	9	4		
5.(a)	Which class is better on the average?									4
Marks		10 - 20	20 - 30	30 - 40	40 - 50	50 - 60	60 - 70			
Class A		100	125	86	45	18	12			
Class B		90	140	75	50	15	10			
(b)	Find median and mode of the following distribution:									4
x		5	7	9	12	14	17	19	21	
f		6	5	3	6	5	3	2	4	
6.(a)	Compute chain indices for the following prices of wheat:									4
Years		2011	2012	2013	2014	2015	2016	2017		
Prices		64	76	80	84	88	81	80		
(b)	Two fair dice are rolled. Find the probability that:									4
(i)		Sum is 9 or more								
(ii)		Sum is 12								