

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

Name of Subject: Statistics First Year

Group: _____

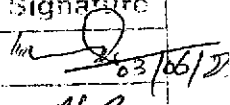
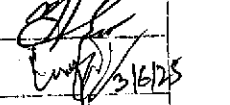
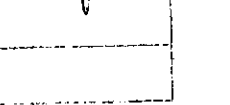
Q. Nos	Paper Code 2181	Correct Answer	Paper Code 2183	Correct Answer	Paper Code 2185	Correct Answer	Paper Code 2187	Correct Answer
1	D	Statistic	A	4	D	one	D	Mean
2	A	Qualitative variable	D	25	C	0 to 1	B	$f(x) = -0.5$
3	D	Class Mark	C	0	A	7	C	Mean > Variance
4	C	Median	A	Variance	D	Mean	B	Dependent
5	A	4	B	$b^2 \text{Var}(x)$	B	$f(x) = -0.5$	D	Statistic
6	D	25	A	$\frac{P_n}{P_{n-1}} \times 100$	C	Mean > Variance	A	Qualitative variable
7	C	0	D	one	B	Dependent	D	Class Mark
8	A	Variance	C	0 to 1	D	Statistic	C	Median
9	B	$b^2 \text{Var}(x)$	A	7	A	Qualitative variable	A	4
10	A	$\frac{P_n}{P_{n-1}} \times 100$	D	Mean	D	Class Mark	D	25
11	D	one	B	$f(x) = -0.5$	C	Median	C	0
12	C	0 to 1	C	Mean > Variance	A	4	A	Variance
13	A	7	B	Dependent	D	25	B	$b^2 \text{Var}(x)$
14	D	Mean	D	Statistic	C	0	A	$\frac{P_n}{P_{n-1}} \times 100$
15	B	$f(x) = -0.5$	A	Qualitative variable	A	Variance	D	one
16	C	Mean > Variance	D	Class mark	B	$b^2 \text{Var}(x)$	C	0 to 1
17	B	Dependent	C	Median	A	$\frac{P_n}{P_{n-1}} \times 100$	A	7
18								
19								
20								
Cross Check	A B C D		A B C D		A B C D		A B C D	
Total	5345		5345		5345		5345	

سرٹیفکیٹ یافتہ سوالیہ پرچہ مارکنگ Key

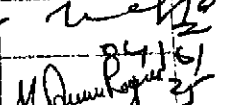
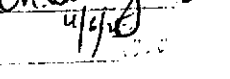
یہ سب امتحان شریات پرچہ سالانہ امتحان 2025 کے لیے تیار کیا گیا ہے۔ اس سوالیہ پرچہ (Subjective & Objective) کو غور سے چیک کر لیا ہے۔ یہ پرچہ Syllabus کے عین مطابق Set کیا گیا ہے۔ اس سوالیہ پرچہ میں کسی قسم کی کوئی غلطی نہ ہے۔ ہم نے سوالیہ پرچہ کا اردو اور انگریزی Version بھی چیک کر لیا ہے۔ یہ Version آپس میں مطابقت رکھتے ہیں۔ نیز اس پرچہ کی MCQ Key کی بات 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 کی تعمیل کرتے ہوئے ان کے بغور کام کیا 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:

S.#	Name	Designation	Institution	Mobile No	Signature
1	Muhammad Asalam	Associate Professor	Scienc College Multan	03006384698	
2	M. Safan Umar	SSS	Govt. Lab. Model. Bisan Road	03006346983	
3	Muhammad Zia	Assistant Prof	Govt. Graduate College Civil Lines College	03350805802	
4					
5					

Re-Checked By: ہم نے دوبارہ سوالیہ پرچہ (انتخابیہ + معروضی) کی MCQ Key اور ہدایات کے حوالہ سے مکمل طور پر تکرار کر لی ہے۔ کسی قسم کی کوئی غلطی نہ ہے۔

1	Muhammad Naeem Ali	Associate Prof.	Science College Multan	03006347745	
2	Mirza Qamar Raza Baig	A.P.	Govt. W.H. Isl. G.C. Multan	03216303691	

Paper Code Number: 2181		2025 (1 st -A) INTERMEDIATE PART-I (11 th Class)		Roll No:	
STATISTICS PAPER-I					
TIME ALLOWED: 20 Minutes		OBJECTIVE		MAXIMUM MARKS: 17	
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 characteristic of a sample is called:	Parameter	Sample	Variable	Statistic
2	Colour of hair is:	Qualitative variable	Discrete variable	Continuous variable	Quantitative variable
3	The average of lower and upper class limits is called:	Class boundary	Class limit	Class frequency	Class mark
4	The most central value of an arrayed data is:	Weighted mean	Mean	Median	Mode
5	Geometric mean of numbers 2, 4, & 8 is:	4	8	16	64
6	If $\bar{x} = 10$ and $y = 2x + 5$, then $\bar{y}$ is:	10	15	20	25
7	The variance of 5, 5, 5, 5, 5 is:	10	5	0	-5
8	Second moment about mean is:	Variance	Mean	Median	Mode
9	$Var(bx)$ is equal to:	$bVar(x)$	$b^2Var(x)$	$Var(b)$	$Var(x)$
10	Link relative is equal to:	$\frac{P_n}{P_{n-1}} \times 100$	$\frac{P_n}{P_o} \times 100$	$\frac{q_n}{q_{n+1}} \times 100$	$\frac{q_n}{q_o} \times 100$
11	Simple index number involve commodities:	Four	Three	Two	One
12	The range of probability is between:	-1 to 0	-1 to 1	0 to 1	0 to ∞
13	Which is impossible event when a die is rolled?	7	6	5	4
14	An expected value of a random variable is:	Standard deviation	Variance	Mode	Mean
15	_____ is not possible in a probability distribution.	$f(x) > 0$	$f(x) = -0.5$	$\sum f(x) = 1$	$\sum x f(x) = 2$
16	_____ is true for the binomial distribution.	Mean < Variance	Mean = Variance	Mean > Variance	Mean = S.D
17	In hypergeometric distribution the trials are:	Independent	Dependent	Mutually exclusive	Not fixed

Paper Code Number: 2183		2025 (1 st -A) INTERMEDIATE PART-I (11 th Class)		Roll No: _____	
STATISTICS PAPER-I					
TIME ALLOWED: 20 Minutes		OBJECTIVE		MAXIMUM MARKS: 17	
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	Geometric mean of numbers 2, 4, & 8 is:	4	8	16	64
2	If $\bar{x} = 10$ and $y = 2x + 5$, then $\bar{y}$ is:	10	15	20	25
3	The variance of 5, 5, 5, 5, 5 is:	10	5	0.5	-5
4	Second moment about mean is:	Variance	Mean	Median	Mode
5	$Var(bx)$ is equal to:	$bVar(x)$	$b^2Var(x)$	$Var(b)$	$Var(x)$
6	Link relative is equal to:	$\frac{P_n}{P_{n-1}} \times 100$	$\frac{P_n}{P_o} \times 100$	$\frac{q_n}{q_{n+1}} \times 100$	$\frac{q_n}{q_o} \times 100$
7	Simple index number involve commodities:	Four	Three	Two	One
8	The range of probability is between:	-1 to 0	-1 to 1	0 to 1	0 to ∞
9	Which is impossible event when a die is rolled?	7	6	5	4
10	An expected value of a random variable is:	Standard deviation	Variance	Mode	Mean
11	_____ is not possible in a probability distribution.	$f(x) > 0$	$f(x) = -0.5$	$\sum f(x) = 1$	$\sum x f(x) = 2$
12	_____ is true for the binomial distribution.	Mean < Variance	Mean = Variance	Mean > Variance	Mean = S.D
13	In hypergeometric distribution the trials are:	Independent	Dependent	Mutually exclusive	Not fixed
14	A numerical characteristic of a sample is called:	Parameter	Sample	Variable	Statistic
15	Colour of hair is:	Qualitative variable	Discrete variable	Continuous variable	Quantitative variable
16	The average of lower and upper class limits is called:	Class boundary	Class limit	Class frequency	Class mark
17	The most central value of an arrayed data is:	Weighted mean	Mean	Median	Mode

Paper Code Number: 2185		2025 (1 st -A) INTERMEDIATE PART-I (11 th Class)		Roll No:	
STATISTICS PAPER-I					
TIME ALLOWED: 20 Minutes		OBJECTIVE		MAXIMUM MARKS: 17	
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	Simple index number involve commodities:	Four	Three	Two	One
2	The range of probability is between:	-1 to 0	-1 to 1	0 to 1	0 to ∞
3	Which is impossible event when a die is rolled?	7	6	5	4
4	An expected value of a random variable is:	Standard deviation	Variance	Mode	Mean
5	_____ is not possible in a probability distribution.	$f(x) > 0$	$f(x) = -0.5$	$\sum f(x) = 1$	$\sum x f(x) = 2$
6	_____ is true for the binomial distribution.	Mean < Variance	Mean = Variance	Mean > Variance	Mean = S.D
7	In hypergeometric distribution the trials are:	Independent	Dependent	Mutually exclusive	Not fixed
8	A numerical characteristic of a sample is called:	Parameter	Sample	Variable	Statistic
9	Colour of hair is:	Qualitative variable	Discrete variable	Continuous variable	Quantitative variable
10	The average of lower and upper class limits is called:	Class boundary	Class limit	Class frequency	Class mark
11	The most central value of an arrayed data is:	Weighted mean	Mean	Median	Mode
12	Geometric mean of numbers 2, 4, & 8 is:	4	8	16	64
13	If $\bar{x} = 10$ and $y = 2x + 5$, then $\bar{y}$ is:	10	15	20	25
14	The variance of 5, 5, 5, 5, 5 is:	10	5	0	-5
15	Second moment about mean is:	Variance	Mean	Median	Mode
16	$Var(bx)$ is equal to:	$bVar(x)$	$b^2Var(x)$	$Var(b)$	$Var(x)$
17	Link relative is equal to:	$\frac{P_n}{P_{n-1}} \times 100$	$\frac{P_n}{P_o} \times 100$	$\frac{q_n}{q_{n+1}} \times 100$	$\frac{q_n}{q_o} \times 100$

Paper Code Number: 2187		2025 (1 st -A) INTERMEDIATE PART-I (11 th Class)		Roll No:	
STATISTICS PAPER-I					
TIME ALLOWED: 20 Minutes		OBJECTIVE		MAXIMUM MARKS: 17	
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 expected value of a random variable is:	Standard deviation	Variance	Mode	Mean
2	_____ is not possible in a probability distribution.	$f(x) > 0$	$f(x) = -0.5$	$\sum f(x) = 1$	$\sum x f(x) = 2$
3	_____ is true for the binomial distribution.	Mean < Variance	Mean = Variance	Mean > Variance	Mean = S.D
4	In hypergeometric distribution the trials are:	Independent	Dependent	Mutually exclusive	Not fixed
5	A numerical characteristic of a sample is called:	Parameter	Sample	Variable	Statistic
6	Colour of hair is:	Qualitative variable	Discrete variable	Continuous variable	Quantitative variable
7	The average of lower and upper class limits is called:	Class boundary	Class limit	Class frequency	Class mark
8	The most central value of an arrayed data is:	Weighted mean	Mean	Median	Mode
9	Geometric mean of numbers 2, 4, & 8 is:	4	8	16	64
10	If $\bar{x} = 10$ and $y = 2x + 5$, then $\bar{y}$ is:	10	15	20	25
11	The variance of 5, 5, 5, 5, 5 is:	10	5	0	-5
12	Second moment about mean is:	Variance	Mean	Median	Mode
13	$Var(bx)$ is equal to:	$bVar(x)$	$b^2Var(x)$	$Var(b)$	$Var(x)$
14	Link relative is equal to:	$\frac{P_n}{P_{n-1}} \times 100$	$\frac{P_n}{P_o} \times 100$	$\frac{q_n}{q_{n+1}} \times 100$	$\frac{q_n}{q_o} \times 100$
15	Simple index number involve commodities:	Four	Three	Two	One
16	The range of probability is between:	-1 to 0	-1 to 1	0 to 1	0 to ∞
17	Which is impossible event when a die is rolled?	7	6	5	4