

INTERMEDIATE PART-II (12th CLASS)
(SPECIAL EXAMINATION)

BUSINESS MATHEMATICS & STATISTICS PAPER-II
(COMMERCE GROUP)

TIME ALLOWED: 1.45 Hours

SUBJECTIVE

MAXIMUM MARKS: 40

NOTE: Write same question number and its part number on answer book,
as given in the question paper.

SECTION-I

2. Attempt any six parts.

6 × 2 = 12

- (i) Define Parameter with examples.
- (ii) Write any two functions of Statistics.
- (iii) Differentiate between Variable and Constant.
- (iv) Define Primary Data.
- (v) Define Mode.
- (vi) Write any two properties of Mean.
- (vii) If Mean = 40.5 and Median = 36. Find Mode by using the empirical relationship formula.
- (viii) Write any two merits of Mean.
- (ix) Write any two demerits of Median.

3. Attempt any six parts.

6 × 2 = 12

- (i) Define Tabulation.
- (ii) Define Multiple Bar diagram.
- (iii) What are the different parts of a Statistical table?
- (iv) Define Chain Base Method.
- (v) What do you understand by base period and how it is selected?
- (vi) Laspeyre's Index = 115, Paasche's Index = 111, Fisher's Index = ?
- (vii) Define Sample Space.
- (viii) Define an Event. What are its types?
- (ix) What is the probability of getting sum 7, when two dice are thrown?

SECTION-II

NOTE: Attempt any two questions.

2 × 8 = 16

4.(a) Make a discrete frequency distribution taking class interval size 1.

4

1, 5, 1, 0, 2, 5, 9, 2, 3, 6, 3, 5, 7
8, 4, 5, 6, 10, 5, 4, 3, 6, 5, 7, 5

(b) Make simple bar diagram

4

Country	USA	Russia	UK	Germany	Japan
Loan in Rs.(Millions)	34	27	16	10	5

5.(a) For a certain distribution the following information are obtained by using the origin of

D = X - 15. Find A.M of the following distribution:

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D	-12	-8	-4	0	4	8	12
f	2	5	8	18	22	13	8

(b) Calculate Mode of the data:

4

Wages (per hour)	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25
No. of workers	15	17	39	16	25

6.(a) Construct chain indices for the following taking the year 2000 as Base:

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Years	A	B	C
2000	2.8	10.5	2.7
2001	3.4	10.8	3.2
2002	3.6	10.6	3.5
2003	4.0	11.0	3.8

(b) A pair of dice is rolled find the probabilities that:

4

- (i) Sum is 6
- (ii) Sum is more than 7

Paper Code

Number: 4641

2020

Roll No. _____

INTERMEDIATE PART-II (12th CLASS)

(SPECIAL EXAMINATION)

BUSINESS MATHEMATICS & STATISTICS

PAPER-II

(COMMERCE GROUP)

TIME ALLOWED: 15 Minutes

OBJECTIVE

MAXIMUM MARKS: 10

Note: 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. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

- (1) A characteristic that changes from one object to other, is called:
(A) Constant (B) Variable (C) Parameter (D) Statistic
- (2) A qualitative variable is also called:
(A) Attribute (B) Parameter (C) Statistics (D) None of these
- (3) The process of arranging data in to Rows and Columns is called:
(A) Array (B) Ogive (C) Tabulation (D) Mean
- (4) Mid point of class 40 – 60 is:
(A) 40 (B) 60 (C) 30 (D) 50
- (5) Data must be arrayed before calculating:
(A) Mean (B) Mode (C) Median (D) Weighted Mean
- (6) In a Symmetrical Distribution Mean, Median, and Mode are always:
(A) Equal (B) Not equal (C) Both A and B (D) None of these
- (7) Laspeyre's Index Number is also called:
(A) Current Year Weighted Index (B) Base Year Weighted Index
(C) Ideal Index Number (D) All these
- (8) In fixed Base Method, the base period should be:
(A) Far distant (B) Abnormal (C) Normal (D) None of these
- (9) The probability of an Event can never be:
(A) Positive (B) Less than one (C) Negative (D) None of these
- (10) The probability of appearing a tail, when a fair coin is tossed:
(A) 0 (B) $\frac{1}{4}$ (C) 1 (D) $\frac{1}{2}$

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN.
OBJECTIVE KEY FOR INTERMEDEAT SPECIAL PART-II EXAMINATION, 2020'

Name of Subject: Business Math & Stat Session: 2020

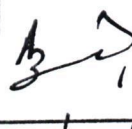
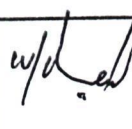
Q.Nos	Paper Code	Paper Code	Paper Code	Paper Code
	4641			
1	B			
2	A			
3	C			
4	D			
5	C			
6	A			
7	B			
8	C			
9	C			
10	D			
11				
12				
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20				

سرٹیفکیٹ بابت صحیح سوالیہ پرچہ امارنگ Key

ہم نے مضمون بزنس مینجمنٹ پرچہ II گروپ کامرس انٹرمیڈیٹ پارٹ سیکنڈ اسٹیل امتحان 2020ء کا سوالیہ پرچہ انشائیہ و معروضی (Subjective & Objective) کو بنظر عمیق 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: 22-10-2020

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