|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Roll No |  |  |  |  |  |  |  |  |  |  |  |  |

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**Presidency University**

**Bengaluru**

**SCHOOL OF COMMERCE**

**MAKE-UP EXAMINATION SEP-2023**

**Course Code**: BFI109

**Course Name**: **FINANCIAL MODELLING**

**Program** : **BBA**

**Date**: 06.10.2023

**Time**: 09.30 AM – 12.30 PM

**Max Marks**: 100

**Weightage**: 50%

**Instructions:**

1. *Read all the questions carefully and answer accordingly.*
2. *Question paper consists of 2 parts.*
3. *Scientific and Non-programmable calculators are permitted.*

**Part A [Thought Provoking Questions]**

**Answer all the Questions. (2Qx20M=40M)**

1. Calculate Average ,Median and Mode from the following using excel formulas

|  |  |
| --- | --- |
| Sl.No.  | Age of Students  |
| 1 | 3 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 7 |
| 7 | 8 |
| 8 | 9 |
| 9 | 12 |
| 10 | 24 |
| 11 | 27 |
| 12 | 32 |
| 13 | 33 |
| 14 | 35 |
| 15 | 40 |
| 16 | 43 |
| 17 | 44 |
| 18 | 46 |
| 19 | 50 |
| 20 | 56 |

Also Insert Cell comment with the “formula” to calculate manually. (C.O.No.1) [Comprehension Level]

2. Calculate SD and Variance from the following using excel formulas:

|  |  |
| --- | --- |
| Sl.No.  | Age of Students  |
| 1 | 2 |
| 2 | 3 |
| 3 | 4 |
| 4 | 65 |
| 5 | 6 |
| 6 | 7 |
| 7 | 8 |
| 8 | 9 |
| 9 | 12 |
| 10 | 11 |
| 11 | 13 |
| 12 | 16 |
| 13 | 7 |
| 14 | 8 |
| 15 | 8 |

. (C.O.No.1) [Comprehension Level]

**Part B (Problem Solving Questions)**

**Answer all the Questions. (2QX 30M=60M)**

3. Show the necessary statistical function in excel that can be used to find

 a. The list of Students greater than 1 year and less than 10 years in True or false

 b. The List of Students greater than age 1 year and less than 10 years, and if true should show age otherwise show False.

|  |  |
| --- | --- |
| **Sl.No.**  | **Age of Students**  |
| 1 | 2 |
| 2 | 3 |
| 3 | 4 |
| 4 | 65 |
| 5 | 6 |
| 6 | 12  |
| 7 | 8 |
| 8 | 9 |
| 9 | 12 |
| 10 | 11 |
| 11 |  21 |
| 12 | 16 |
| 13 | 7 |
| 14 | 8 |

 (C.O.No.1) [Comprehension Level]

4. To get Bonus of 9%, Salesman has to achieve Sales Target of 250 cr, and NRI Account of 3. Show how many eligible salesman are there using Excel.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| SALESMAN | SALES TARGET | ACHIEVED | Account Target | Account Achieved |
| A | 250 | 220 | 3 | 4 |
| B | 250 | 270 | 3 | 4 |
| C | 250 | 270 | 3 | 4 |
| D | 250 | 230 | 3 | 5 |
| E | 250 | 240 | 3 | 7 |
| F | 250 | 223 | 3 | 3 |
| G | 250 | 212 | 3 | 3 |
| H | 250 | 200 | 3 | 2 |

 (C.O.No.1) [Comprehension Level]