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तोलानी वाणिज्य महाविद्यालय (स्वायत्त)

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(Recognised Linguistic (Sindhi) Minority Institution, Affiliated to University of Mumbai)

Re-Accredited (3rd Cycle) by N.A.A.C. with 'A' Grade (CGPA 3.03)

150-151, SHER-E-PUNJAB SOCIETY,
GURU GOBIND SINGH ROAD,
ANDHERI (EAST), MUMBAI-400 093.

Tel. : (022) 6153 5455
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College NAAC Code No. MHC0GN10577
AQAR 2021 - 2022

Report on Remedial Lectures for Slow Learners in Mathematics & Statistical Techniques

(For Learners with ATKT in Semester- I of F.Y.B.Com. - Academic Year 2021-2022)

Title of the Practice: Practice Tests and Remedial Lectures for Slow Learners

Target Audience:

F.Y.B.Com. Learners with A.T.K.T. in Mathematics & Statistical Techniques - I

The Practice:

The *Slow Learners* were added to a *WhatsApp Group* and they took *four online practice tests*.
Remedial lectures were organised for the learners who didn't qualify in these tests.

Name of the Faculty Member:

Ms. Shubha Chaubal, Assistant Professor, Department of Mathematics & Statistics

Details:

I. Number of Slow Learners identified: 18

II. Online Practice Tests:

Platform: Google Forms

Total marks: 20

Total number of questions: 10 questions of 2 marks each

Type of Exam: Multiple Choice Questions (MCQs)

Qualifying marks: 8 (40 %)

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Further Details of Tests:

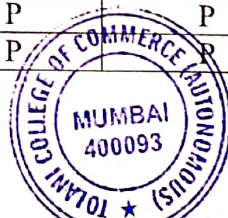
| Date | No. of Learners who attempted the Test | No. of Learners Qualified |
|------------------|--|---------------------------|
| 11th March, 2022 | 15 | 11 |
| 14th March, 2022 | 9 | 8 |
| 17th March, 2022 | 14 | 11 |
| 21st March, 2022 | 8 | 8 |

III. Remedial Lectures and their Outcome:

Following are the details of remedial lectures conducted for these learners:

| Sr. No. | Name | Roll No. | Remedial Lecture on 12th March, 2022 Topic: Measures of Central Tendency | Remedial Lecture on 15th March, 2022 Topic: Shares and Mutual Funds | Remedial Lecture on 21st March, 2022 Topic: Probability, Decision Theory | Result of A.T.K.T. Semester-I Examination after Remedial Lectures in |
|---------|-----------------|----------|---|--|---|--|
| 1 | Ghadi Pratiksha | 63 | A | A | P | Pass |
| 2 | Harijan Umesh | 91 | A | A | P | Fail |
| 3 | Kamat Neha | 119 | P | P | A | Fail |
| 4 | Yadav Sachin | 126 | P | A | P | Pass |
| 5 | Thorat Tejas | 140 | A | A | A | Fail |
| 6 | Yadav Rahul | 147 | A | A | A | Fail |
| 7 | Mishra Jhanhvi | 197 | A | A | A | Pass |
| 8 | Rai Ritesh | 265 | A | A | A | Pass |
| 9 | Yadav Neha | 296 | P | P | A | Pass |
| 10 | Singh Sonu | 377 | P | P | A | Fail |
| 11 | Wadekar Vishkha | 419 | P | P | A | Pass |

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| | | | | | | |
|----|----------------|-----|---|---|---|------|
| 12 | Soni Aanchal | 422 | A | P | P | Fail |
| 13 | Shaikh Falak | 432 | P | A | P | Pass |
| 14 | Pandey Pooja | 447 | A | A | A | Fail |
| 15 | Yadav Komal | 461 | P | A | A | Pass |
| 16 | Yadav Ruby | 529 | P | A | A | Pass |
| 17 | Bhise Suryanki | 569 | P | P | A | Pass |
| 18 | Yadav Anjali | 578 | A | A | P | Fail |

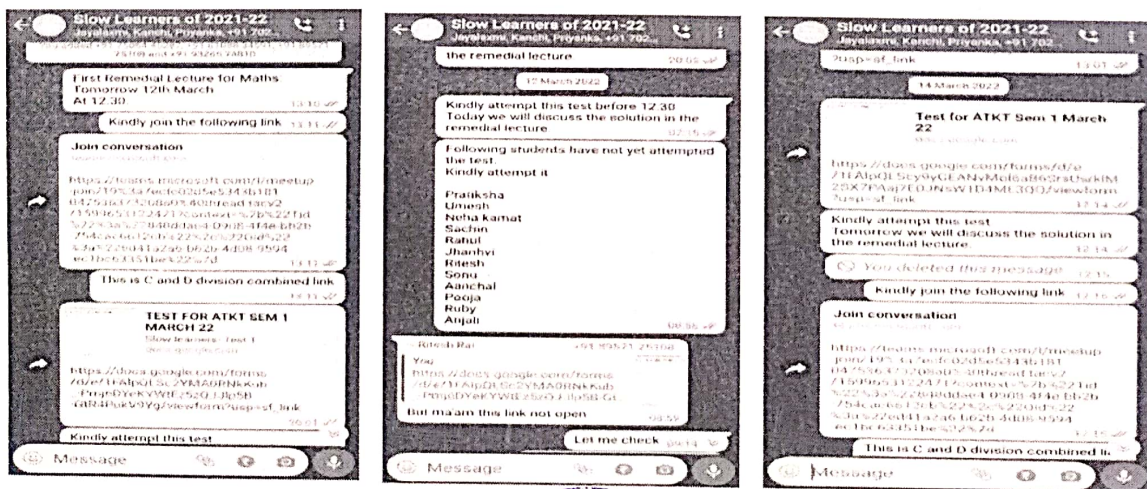
*P = Present

A = Absent

As a result of these online practice tests and remedial lectures, there was improvement in performance of these learners in their next ATKT Examination as follows:

| No. of Learners Appeared in A.T.K.T Examination | No. of Learners Passed (Result declared on 25 th April 2022) | No. of Learners Failed | Passing Percentage |
|---|---|------------------------|--------------------|
| 18 | 10 | 8 | 55.55 % |

Screenshots of WhatsApp messages sent for Online Practice Tests in Mathematical & Statistical Techniques-I



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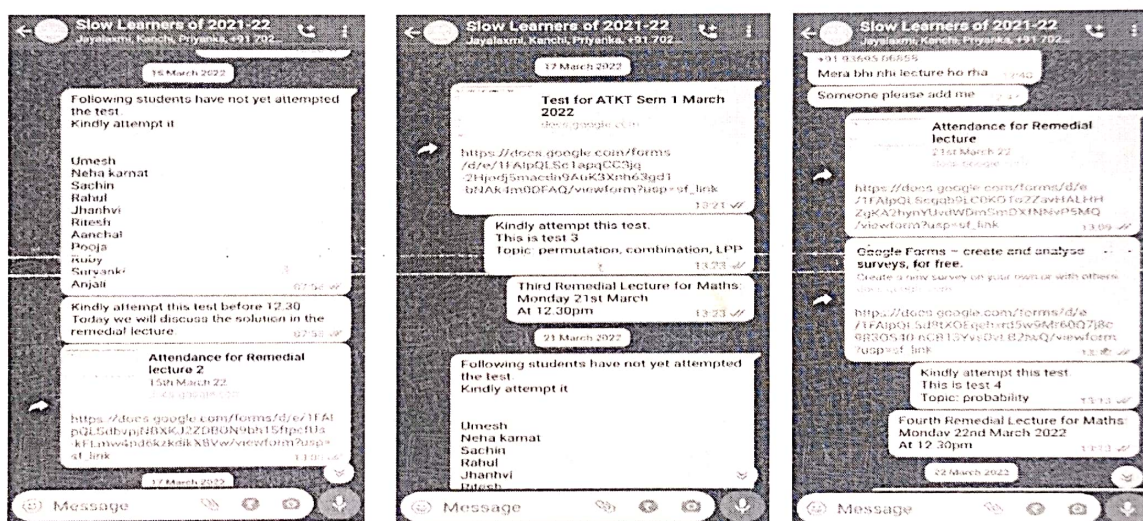
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Screenshots of WhatsApp messages sent for Online Practice Tests in Mathematical & Statistical Techniques-I



Shubha

Prepared by
Ms. Shubha
Chaubal

Kaustubh

Teacher In-charge
Mr. Kaustubh
Bhagal

Verified & Found Correct

Mehrunisa

Checked by
Dr. Mehrunisa Ansari
I.Q.A.C. Co-ordinator

Vijaya Krishna
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Report of Diagnostic Tests and Remedial Lectures
in Mathematics & Statistical Techniques
(For Regular Learners of F.Y.B.Com.)

Title of the Practice: Diagnostic Tests and Remedial Lectures for Regular Learners of F.Y.B.Com.

Target Audience:

Regular F.Y.B.Com. Learners in Mathematics & Statistical Techniques - I for the Academic Year 2021-2022

The Practice:

A diagnostic test was conducted to understand the aptitude of F.Y.B.Com. learners in Mathematics and Statistical Techniques- I. The learners who did not qualify this test were identified as '*Slow Learners*'. Remedial lectures were organised for these learners. These lectures were followed by another diagnostic test to observe the progress of identified slow learners.

Name of the Faculty Member:

Ms. Shubha Chaubal, Assistant Professor, Department of Mathematics & Statistics

Details:

I. Online Diagnostic Tests:

Platform: Google Forms

Total marks: 50

Total number of questions: 50 questions of 1 mark each

Type of Exam: Multiple Choice Questions (MCQs)

Qualifying marks: 20 (40 %)



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Date: 5th October, 2021 – For identifying slow learners

10th December, 2021 – For checking the progress of slow learners

Further Details of Tests:

Test 1 : 5th October, 2021

Total number of learners who attempted the test = 520
Total number of learners who passed = 501
Total number of learners who failed = 19

Test 2 : 10th December, 2021

Total number of learners who attempted the test = 18
Total number of learners who passed = 17
Total number of learners who failed = 1

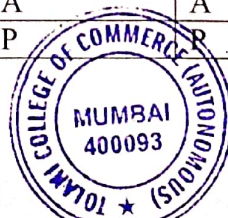
II. Remedial Lectures and their Outcome:

Date: 6th December, 2021 and 7th December, 2021

Following is the analysis of identified slow learners in the Diagnostic Test before and after the remedial lectures:

| Sr. No. | Roll No. | Name | Attendance for First Remedial Lecture 6/12/2021 | Attendance for Second Remedial Lecture 7/12/2021 | Marks in Diagnostic Test before Remedial Lectures | Marks in Diagnostic Test after Remedial Lectures 10/12/2021 |
|---------|----------|-------------------|--|---|---|--|
| 1 | 9 | Saima Ansari | P | P | 18 | 30 |
| 2 | 65 | Kiran Ghanekar | P | P | 17 | 32 |
| 3 | 83 | Shivam Gupta | P | P | 4 | 33 |
| 4 | 91 | Umesh Harijan | A | A | A | 39 |
| 5 | 93 | Deepika Hawaigarh | P | P | 16 | 31 |
| 6 | 191 | Jyoti Maurya | P | P | 19 | 40 |
| 7 | 228 | Dhanashree Parab | A | A | 18 | A |
| 8 | 322 | Sureta Saroj | P | P | 8 | 23 |

MMS





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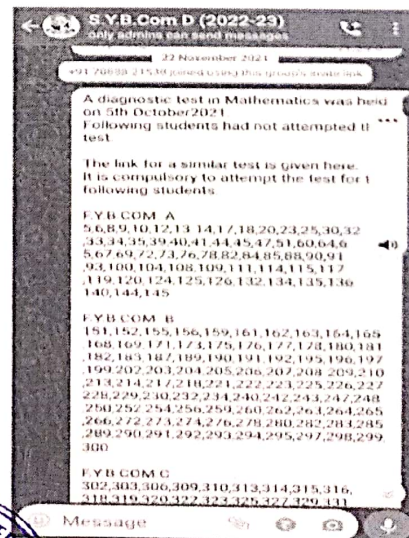
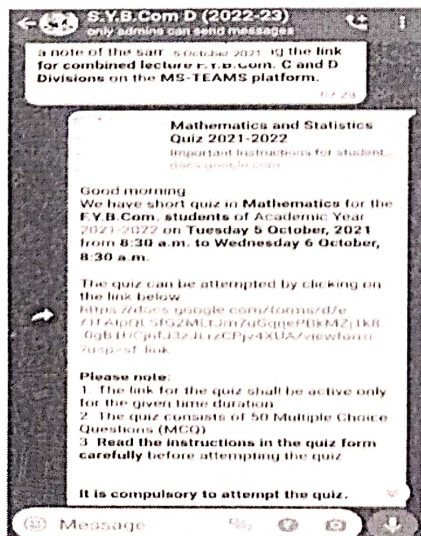
| | | | | | | |
|----|-----|------------------|---|---|----|----|
| 9 | 342 | Farin Shah | P | A | 19 | 40 |
| 10 | 382 | Mansi Sutar | P | A | 19 | 23 |
| 11 | 395 | Riya Tiwari | P | A | 19 | 31 |
| 12 | 447 | Pooja Pandey | A | A | 11 | 10 |
| 13 | 454 | Anamika Yadav | P | P | 16 | 32 |
| 14 | 467 | Poonam Yadav | A | P | 19 | 10 |
| 15 | 476 | Shivam Yadav | A | P | 16 | 22 |
| 16 | 506 | Jubaida Khan | P | P | 7 | 35 |
| 17 | 546 | Aruna Mashelkar | P | P | 17 | 27 |
| 18 | 559 | Ahemad Raja Khan | A | A | A | 23 |
| 19 | 568 | Reetu Maurya | P | A | 14 | 36 |

The following table shows the progress of these learners after receiving remediation:

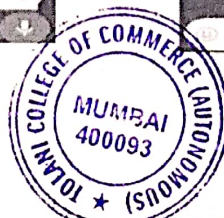
| No. of learners appeared | No. of learners passed | No. of learners failed | Passing percentage |
|--------------------------|------------------------|------------------------|--------------------|
| 18 | 17 | 1 | 94.44% |

Screenshots of WhatsApp messages sent for Diagnostic Tests

in Mathematical & Statistical Techniques-I



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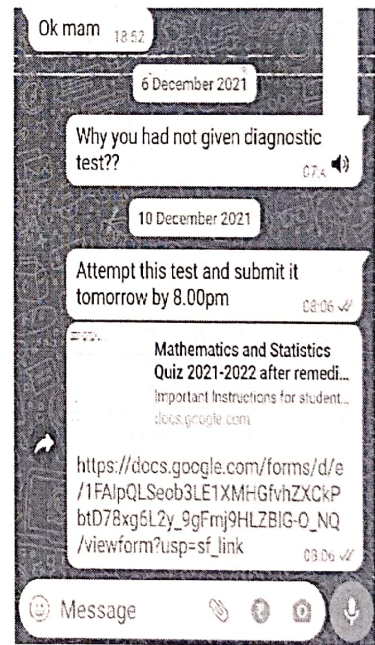
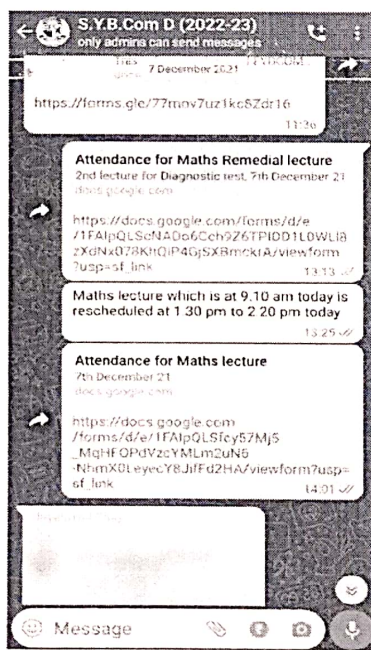
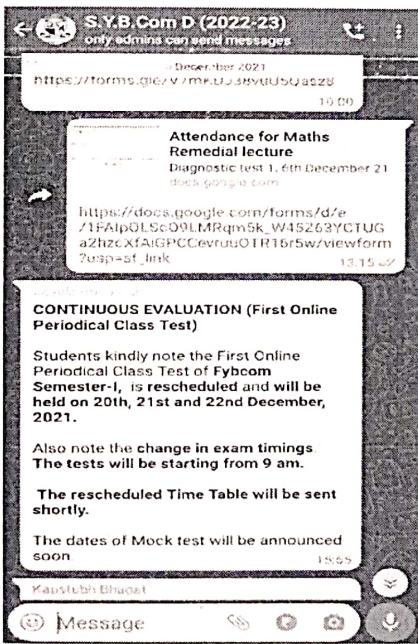
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Screenshots of WhatsApp messages sent for Diagnostic Tests

in Mathematical & Statistical Techniques-I



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Prepared by
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Chaubal

Kaustubh Bhagat

Teacher In-charge
Mr. Kaustubh
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Verified & Found Correct

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Report of Practice Tests conducted for Advanced Learners

Title of the Practice: Practice Tests for Advanced Learners

Target Audience:

S.Y.B.Com. and T.Y.B.Com. Learners who had high scores in Mathematics & Statistical Techniques - I & II in F.Y.B.Com.

The Practice:

Based on the marks scored in Mathematics & Statistical Techniques – I & II in 2019-20 and 2020-21, advanced learners were identified.

A WhatsApp group of these learners was formed on 31/01/2022.

All entrance exams for higher studies including CAT, CET, test for employment in banks, railways etc. have quantitative aptitude as a component. Advanced Quantitative Technique problems were shared to facilitate learning and equip the learners for further studies and employment.

Name of the Faculty Member:

Ms. Shubha Chaubal, Assistant Professor, Department of Mathematics & Statistics

Details:

I. Number of Advanced Learners identified: 64

II. Online Practice Tests:

Platform: Google Forms

Total number of questions: 10 questions of 2 marks each

Type of Exam: Multiple Choice Questions (MCQs)

Date: 10th February, 2022 and 10th March, 2022

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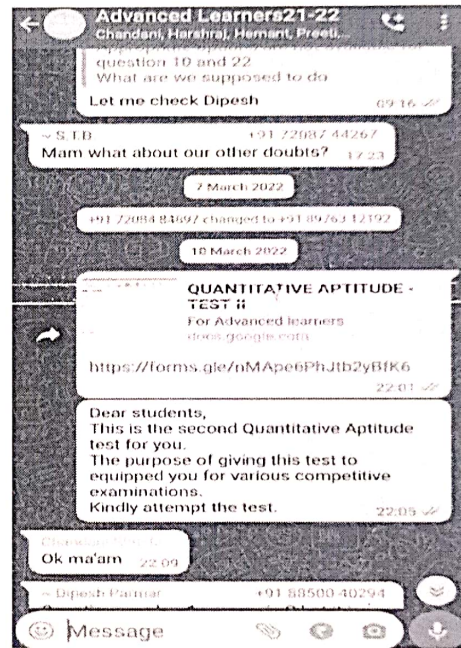
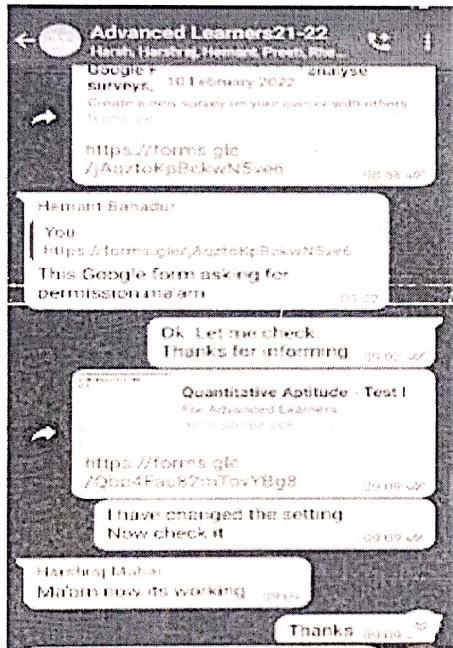
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Screenshots of WhatsApp messages sent to advanced learners for Practice Tests in Quantitative Techniques:



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Sample questions given to the Advanced Learners

14:46

Quantitative aptitude-1

Questions Responses 41 Setting Total points: 25

The present age of A and B is in the ratio 3:4. 5 years back, the ratio of their ages was 2:3. What is the present age of A?

12 years

15 years

20 years

22 years

For the given number series, find what will come in place of the question mark (?) 2 10 50 ? 1250

125

15:21

docs.google.com/forms

Quantitative Aptitude-II

Questions Responses 44 Setting Total points: 25

The price of a motorcycle was Rs. 34,000 last year. It has increased by 20% this year. The price of motorcycle now is

Rs. 40200

Rs. 40400

Rs. 40800

Rs. 41000

The cost of 4 bags and 3 boxes is Rs. 555 and the cost of 3 bags and 4 boxes is Rs. 460. What is the cost of

Shubha

Prepared by
Ms. Shubha
Chaubal

Verified & Found Correct

Kaustubh

Teacher In-charge
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Dr. Vijaya Krishna
Principal

