

**Annual Reports of Two Departments for Remedial Coaching
is enclosed as a sample for your kind consideration**

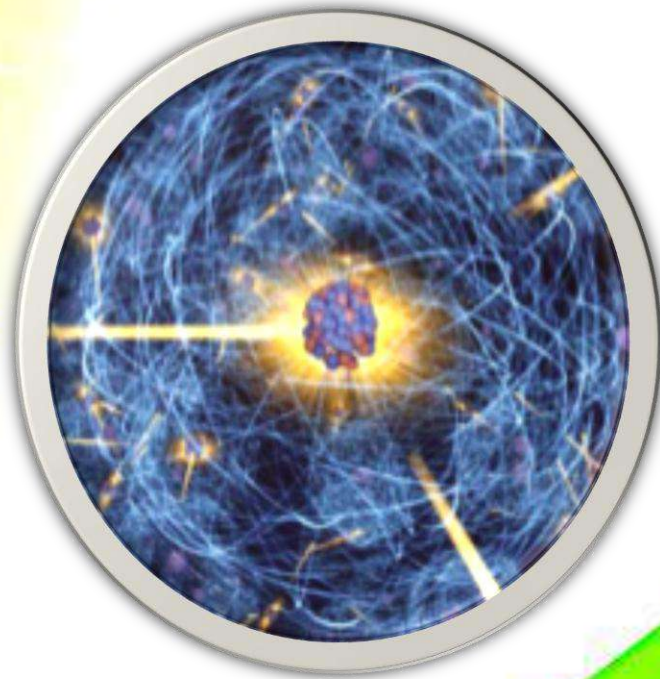
1. Physics Department – 2019-20 Report
2. Economics Department – 2019-20 Report



Ajantha Education and Military Preparatory Institutes

INDRARAJ ARTS, COMMERCE AND SCIENCE COLLEGE

Sillod. Dist. Aurangabad- 431112



REMEDIAL COACHING CLASSES

(For Slow Learner and Advanced Learners)

Academic Year: 2019-2020

Subject: PHYSICS

Department of Physics

Indraraj Arts, Commerce and Science College,

Sillod. Dist. Aurangabad - 431 112



Ajantha Education and Military Preparatory Institutes

Indraraj Arts, Commerce and Science College

Sillod. Dist. Aurangabad- 431112

Introduction:

Most of the students are coming to college from rural area. The subject knowledge is not clear and few student form urban area have sufficient knowledge of the subject, so in this regards the remedial coaching programme is beneficial for students. The remedial coaching programme envisions supporting weak learners in different subjects and provides them more focused teaching support to enhance their qualitative and quantitative subject knowledge, academic skills and linguistic proficiency. Since our college has maximum number of students whose subject status are weak, the remedial coaching offers them a good sustenance and attention. Faculties also get a chance of effective mentoring of such under privileged groups.

The students who took admission to degree classes have been enlightened by the fundamental knowledge of difficult Physics as an important subject. It is difficult task to stop dropout rate of the college. It is regular academic process of the college to facilitate slow learners with remedial coaching related to difficult topics from the curriculum. Basic concepts are repeated and discussed so that they can get good command over them. It helps in their comprehension of overall curriculum. Slow learners did not give more attention towards difficult subjects and concepts. Automatically they may fail in the concern subject, and dropout rate increases.

Following table indicate the students are admitted for Physics as an optional subject.

Table:

Name of Programme	Academic Year	Student Enrolled	Conducted by Department
Remedial Coaching Subject : Physics	2019-20	64	Department of Physics

Aims and Objective:

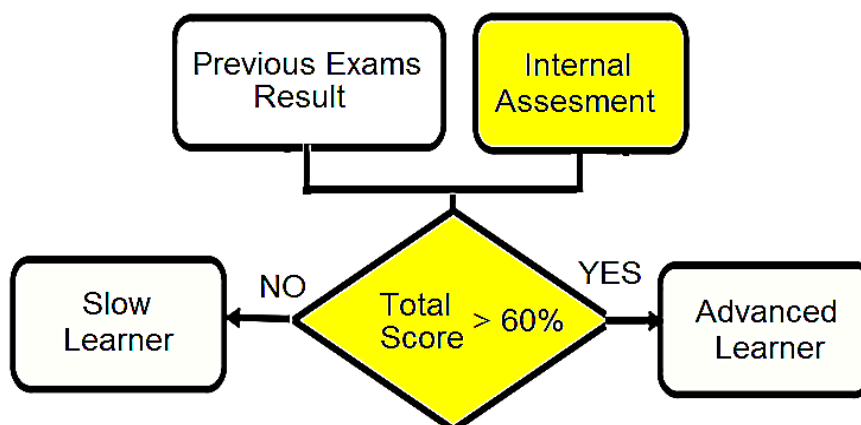
- Highly qualified and expert staff.
- To clears the basic concept of Physics.
- To motivate the student for increase the practical as well as creative skill.
- Maximum students are benefited every year.
- Attraction about difficult subjects.
- Increase of knowledge level.
- Positive impact of coaching.
- Planning of curriculum and implementation as per schedule.

- Empowering the slow learner to keep pace with academic challenges.
- To bring the slow learners together with good learners.
- To provide the remedy to the academic problems of the slow learners.
- To give special attention to the problems of slow learners.
- To improve academic performance of the slow learners
- To increase in students' confidence and competence level.
- To improve academic performance of the slow learners.

For B.Sc. First year (Physics) student's admission based on their previous academic records and observation of activities and brain streaming sessions during one week Induction/Orientation Program, the students are categorized into advanced learner and Slow Learner.

Based on preceding exam performance, current subject performance, and class observation, learning speed students can be classified in two groups: advanced learners and slow learners.

Identification Methods of slow learners and advanced learners:



Identification of slow learner:

Each type of students has different learning attitudes and learning habits. Identification of slow learner for remedial teaching in Physics subject who scored more than **50 % marks** in previous exam (Class 12th) were selected for slow learner. Those students were observed by taking **one multiple choice question tests** and also by oral examination in Physics subject. Here we check his/her approach in general knowledge, self-confidence, face questions and subject knowledge.

While no single technique or set of techniques is sufficient teaching the slow learner, the suggestions that follow are a starting point for developing instructional strategies that specifically address the learning needs of the slow learner.

Identification of Advance Learners:

Identification of advanced learner for remedial teaching in Physics subject who scored more than **70 % marks** in previous exam (Class 12th) were selected for advance learner.

Activities for slow learners:

- Coaching for slow learners as per designed syllabus.
- Giving counseling for slow learners.

- Group study methodology.
- Oral and spot test

Activities for advanced learners:

1. They are motivated to participate in various technical event online courses, Industrial visit, value added course etc, which are held both within and outside the institution
2. The value added courses are conducted through Centre of Excellence
3. Involving them to do on line certification programs.

The students are the commencement of the programme for the new batch every year. The program would help students and parents get familiarized with the institution, curricular and co-curricular activities, facilities, rules and regulations etc. Before the commencement of the classes, the different requirements of the students are identified and addressed at the earliest by way of a strategic approach. Every year students are given training on communication skills, personality development, time management and motivational sessions. With the active participation of advanced learners as coordinators both set of students get benefited.

Teacher's Participation

Subject Teacher is responsible for carrying out different aspects of slow learner and advanced learner identification and activities to be conducted. All the member of the Physics departments engaged their complete remedial class as per designed plan. To motivate slow learner and also to keep the progress of advanced learner constant, the teacher play important in role in Remedial Coaching Classes. The student teacher interaction was more live in remedial coaching hours than in regular classes. Following concerned faculties are involved in Remedial Coaching Classes:


Sr. No.	Name of the Faculty	Educational Qualification
1.	Dr. C. M. Kale	M. Sc., B.Ed., Ph. D.
2.	Dr. M. K. Babrekar	M. Sc., M.Phill., Ph. D.
3.	Dr.Ms. S. V. Deshmukh	M. Sc., M.Phill., Ph. D.

Time Table

The faculty wise and paper wise time table for Remedial Coaching Classes is given as follows

Sr. No.	Name of the Faculty	Days	Time	Paper	Class
1.	Dr. C. M. Kale	Saturday	04:45-05:30pm	Paper-III: Electricity, Magnetism and Modern Physics	B. Sc. First Year
2.	Dr. M. K. Babrekar	Sunday	10:30-11:15pm	Paper-I: General and Experimental Physics	
3.	Dr.Ms. S. V. Deshmukh	Sunday	11:15-12:00 am	Paper-II: General Electronics	

Head of the Department


HEAD
Dept. of Physics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Principal


PRINCIPAL
Indraraj Art's, Comm. &
Science College, Sillod
Dist.Aurangabad

Syllabus:

The syllabus is proscribed in three papers which include the basic as well as application oriented Physics namely,

1. Paper-I: General and Experimental Physics
2. Paper-II: General Electronics
3. Paper-III: Electricity, Magnetism and Modern Physics

The details are given as below.

Paper-I General and Experimental Physics		
Chapter No.	Name of Chapter and Content	Time Period
1	Measurement Introduction, fundamental and derived physical quantities, system of units, measurements of length, mass and mime, dimensions and dimensional analysis, error analysis	3
2	Mathematical Physics Definitions of scalar and vectors, dot product, cross product, scalar product of two vectors, vector product of two vector, scalar triple product, vector triple product, matrices, probability, differentiation	4
3	General Physics Kinematics description of one, two and three dimensions, laws of motion, work, energy and power, motion of system of particles and rigid body, gravitation, properties of bulk matter, thermodynamics, oscillations and waves	7
4	Experimental Physics First step in physics laboratory, range, least count of instrument and measurement using various instruments. vernier calipers, screw gauge, spherometer, travelling microscope, spectrometer, etc introduction to voltmeter, ammeter, rheostat, resistance box, ballistic galvanometer etc. error analysis and graph drawing	6
Total		20

Paper-II
General Electronics

Chapter No.	Name of Chapter and Content	Time Period
1	Diode P-N junction diode, biasing a semiconductor diode, static and dynamic diode, special diodes (Zener diode, Tunnel diode, Light Emitting diode and Photodiode)	3
2	Transistors Transistor, transistor action, transistor symbol, transistor configuration, characteristics of transistor in common base, common emitter, common collector, comparison of CE, CB, and CC configuration, transistor current, gains α and β , relation between α and β , Junction field effect transistor, static characteristics of JEET, JEFT characteristics with external bias, transfer characteristics, small signal, JFET parameter, MOSFET	4
3	Number System Introduction, Decimal, Binary, Hexadecimal number systems and their inter conversions, Binary arithmetic (addition, subtraction, multiplication and division), 1's and 2's compliment method for binary subtraction, Binary codes (8421 (BCD) code, Gray code, Excess-3 code), BCD addition and subtraction, Excess-3 addition and subtraction, ASCII code.	7
4	Logic Gate Positive and negative logic, Logic Gates (NOT gate, AND gate, OR gate, NAND gate, NOR gate) using diodes and transistors, Ex-OR gate, Ex-NOR gate	6
Total		20


Paper-III Electricity, Magnetism and Modern Physics		
Chapter No.	Name of Chapter and Content	Time Period
1	Electricity Electric Charge, Electric Field, Electrostatic Potential and Flux, Capacitance, Current Electricity	3
2	Magnetism Magnetic Field due to electric current, Motion of Charged Particles in Electric and Magnetic Fields, Magnets and Earth's Magnetism, Electromagnetic induction and Alternating Current, Electromagnetic Wave	4
3	Structure of Atoms Thomson's Model of Atom, Rutherford's α -particle scattering, Experiment Distance of closest approach (size of nucleus), Impact parameter, Rutherford's Model of Atom, Atomic spectra, Bohr's Model of Atom, Bohr theory of Hydrogen atom, Energy level diagram, de-Broglie Explanation of Bohr's Postulate of Quantisation of Angular Momentum, success of Bohr's theory, Limitations of Bohr's Theory	7
4	Nucleus and its structure Composition of Nucleus, Atomic nucleus, Atomic number and Mass number, Isobar, Isotopes and Isotones, Nuclear Mass, Size of Nucleus and Nuclear density, Mass energy relation, Radioactivity, Identifying three types of radiations (α , β , γ), Nuclear fission, Nuclear fusion, India's Atomic Energy Program.	6
Total		20



Ajantha Education and Military Preparatory Institutes
Indraraj Arts, Commerce and Science College,
Sillod, Dist. Aurangabad-431112
2019-2020

List of Slow Learners

Sr.No.	12 th %	Name	Gender	Category
1	66.92	RAUT DIPAK DEUBA	Male	GEN
2	66.73	BAWASKAR CHHAYA RAMESH	Female	ST
3	66.62	SONNE VARSHA KASHINATH	Female	SEBC
4	66.31	PANDHARE RAHUL NANARAO	Male	GEN
5	66.00	DIWATE KALPANA RAMDAS	Female	GEN
6	65.23	BAINADE DINESH VILAS	Male	VJ/DT(A)
7	65.08	KARGHE RAM CHANDRASING	Male	GEN
8	64.92	EDHATE ASHVINI KASHINATH	Female	GEN
9	64.31	KATHARWANI BHARAT DATTU	Male	OBC
10	63.85	SURADKAR AMRAPALI VASANTRAV	Female	SC
11	63.69	SHINDE GOPALSING KHUSHALSING	Male	GEN
12	62.62	INGLE SUKESHA ANAND	Female	SC
13	62.15	BAVASKAR ANIL DILIP	Male	SC
14	62.15	SALVE PAWAN SHRIDHAR	Male	SC
15	60.00	SHAIKH SHAGUFTA BEGUM ABDULLAHA	Female	GEN
16	53.38	PAWAR MANOJ KESHARSING	Male	GEN


HEAD
Dept. of Physics
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Test

Maximum Marks: 20

Date: 29/06/2019

Que. 1. Fill in the blanks

- The unit of Speed is a.....
a) Fundamental unit
b) derived unit
c) Neither of above
d) cannot say
- The prefix '*micro*' stands for.....
a) 10^{-12} b) 10^{-9} c) 10^{-6} d) 10^{-3}
- The speed of light in air is.....
a) $3 \times 10^8 \text{ m/s}$ b) $2.5 \times 10^7 \text{ m/s}$ c) $1.5 \times 10^6 \text{ m/s}$ d) $1 \times 10^8 \text{ m/s}$
- Density = Mass/.....
a) Length b) Time c) Area d) Volume
- The dimension of Force is.....
a) $[M^2L^2T^2]$ b) $[M^1L^1T^1]$ c) $[ML^3T]$ d) $[M^1L^1T^{-2}]$
- A vector that has zero magnitude is calledvector
a) Zero b) One c) Two d) Three
-is a push or pull which produce or trends to produce, stops or trends to stop motion in body.
a) Acceleration b) Pressure c) mass d) Force
- The Physicist who discovered the law of gravitation was.....
a) Newton b) Faraday c) Einstein d) Bohr
- Physics is
a) experimental Science b) quantitative Science
c) the most basic Science d) all the above
- Stress is directly proportional to strain is..... law.
a) Newton law of motion b) Newton law of Gravitation
c) Hooks law d) Kepler's law

Que. 2. Define the term

- Speed
- Momentum
- Stress
- Strain
- Work
- Energy
- Power
- Scalar
- Vector
- Impulse



Ajantha Education and Military Preparatory Institutes

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Result of slow learners students

Academic Year: 2019-2020

'CET'

29/6/2019

Sr. No.	12th %	Name	Oral Test 20 Mark	Written Test 20 Mark	Total 40	Other (C/D)
1.	66.92	RAUT DIPAK DEUBA	07	08	15	37.5
2.	66.73	BAWASKAR CHHAYA RAMESH	09	07	16	40
3.	66.62	SONNE VARSHA KASHINATH	10	12	22	55
4.	66.31	PANDHARE RAHUL NANARAO	11	11	22	55
5.	66.00	DIWATE KALPANA RAMDAS	09	07	16	40
6.	65.23	BAINADE DINESH VILAS	07	08	15	37.5
7.	65.08	KARGHE RAM CHANDRASING	07	09	16	40
8.	64.92	EDHATE ASHVINI KASHINATH	08	08	16	40
9.	64.31	KATHARWANI BHARAT DATTU	09	08	17	42.5
10.	63.85	SURADKAR AMRAPALI VASANTRAV	06	05	11	27.5
11.	63.69	SHINDE GOPALSING KHUSHALSING	06	07	13	32.5
12.	62.62	INGLE SUKESHA ANAND	07	07	14	35
13.	62.15	BAVASKAR ANIL DILIP	07	08	15	37.5
14.	62.15	SALVE PAWAN SHRIDHAR	09	07	16	40
15.	60.00	SHAIKH SHAGUFTA BEGUM ABDULLAHA	09	09	18	45
16.	53.38	PAWAR MANOJ KESHARSING	07	04	11	27.5

[Signature]
HEAD 29.6.2019

Dept. of Physics

Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

[Signature]

Subject teacher sign

Dr. S.V. Deshmukh Dr. M.K. Babrekar


*** DAILY ATTENDANCE REPORT ***
Remedial Coaching Classes

Subject: Physics

Class: B.Sc. F. Y.

Name of Teacher: Dr. C. M. Kale

Date: 17/8/2019

Sr No	Name of Student	Signature
1.	RAUT DIPAK DEUBA	
2.	BAWASKAR CHHAYA RAMESH	Bawaskar
3.	SONNE VARSHA KASHINATH	Sonne
4.	PANDHARE RAHUL NANARAO	Rahul
5.	DIWATE KALPANA RAMDAS	Diwate
6.	BAINADE DINESH VILAS	Bainade
7.	KARGHE RAM CHANDRASING	Karghe
8.	EDHATE ASHVINI KASHINATH	Ashvini
9.	KATHARWANI BHARAT DATTU	Bkathar
10.	SURADKAR AMRAPALI VASANTRAV	Suradkar
11.	SHINDE GOPALSING KHUSHALSING	Ashinde
12.	INGLE SUKESHA ANAND	Singale
13.	BAVASKAR ANIL DILIP	Bavaskar
14.	SALVE PAWAN SHRIDHAR	Salve
15.	SHAIKH SHAGUFTA BEGUM ABDULLAHA	Shagufta
16.	PAWAR MANOJ KESHARSING	— Ab —
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17.8.2019
Teachers Signature


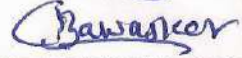
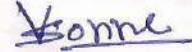

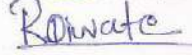
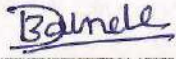
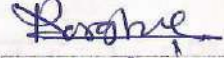

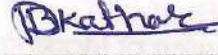
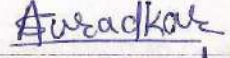
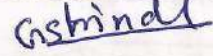

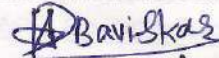
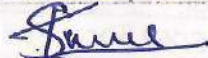
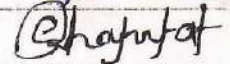

*** DAILY ATTENDANCE REPORT ***
Remedial Coaching Classes

Subject: Physics

Class: B.Sc. F. Y.

Name of Teacher: Dr. C. M. Kale

Date: 24/8/2019

Sr No	Name of Student	Signature
1.	RAUT DIPAK DEUBA	
2.	BAWASKAR CHHAYA RAMESH	
3.	SONNE VARSHA KASHINATH	
4.	PANDHARE RAHUL NANARAO	
5.	DIWATE KALPANA RAMDAS	
6.	BAINADE DINESH VILAS	
7.	KARGHE RAM CHANDRASING	
8.	EDHATE ASHVINI KASHINATH	
9.	KATHARWANI BHARAT DATTU	
10.	SURADKAR AMRAPALI VASANTRAV	
11.	SHINDE GOPALSING KHUSHALSING	
12.	INGLE SUKESHA ANAND	
13.	BAVASKAR ANIL DILIP	
14.	SALVE PAWAN SHRIDHAR	
15.	SHAIKH SHAGUFTA BEGUM ABDULLAHA	
16.	PAWAR MANOJ KESHARSING	
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24.8.2019
Teachers Signature

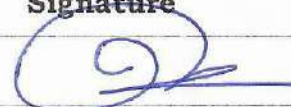
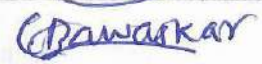
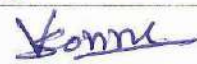

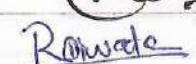
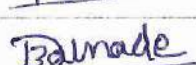
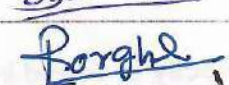
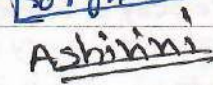
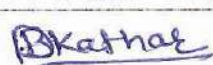

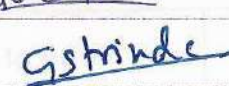
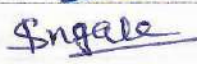
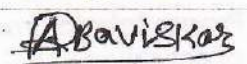
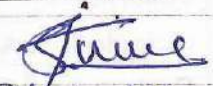
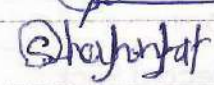
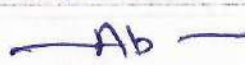
*** DAILY ATTENDANCE REPORT ***
Remedial Coaching Classes

Subject: Physics

Class: B.Sc. F. Y.

Name of Teacher: Dr. C. M. Kale

Date: 25/01/2020

Sr No	Name of Student	Signature
1.	RAUT DIPAK DEUBA	
2.	BAWASKAR CHHAYA RAMESH	
3.	SONNE VARSHA KASHINATH	
4.	PANDHARE RAHUL NANARAO	
5.	DIWATE KALPANA RAMDAS	
6.	BAINADE DINESH VILAS	
7.	KARGHE RAM CHANDRASING	
8.	EDHATE ASHVINI KASHINATH	
9.	KATHARWANI BHARAT DATTU	
10.	SURADKAR AMRAPALI VASANTRAV	
11.	SHINDE GOPALSING KHUSHALSING	
12.	INGLE SUKESHA ANAND	
13.	BAVASKAR ANIL DILIP	
14.	SALVE PAWAN SHRIDHAR	
15.	SHAIKH SHAGUFTA BEGUM ABDULLAHA	
16.	PAWAR MANOJ KESHARSING	
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Teacher's Signature  25.1.2020


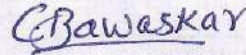
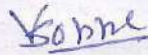

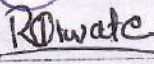
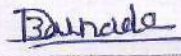
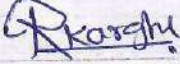

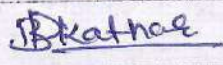
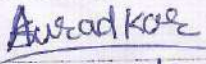
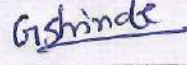
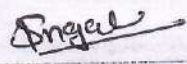
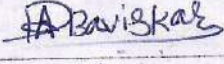

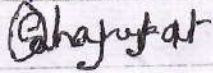

* DAILY ATTENDANCE REPORT *
Remedial Coaching Classes

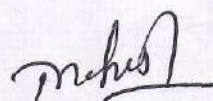
Subject: Physics

Class: B.Sc. F. Y.

Name of Teacher: Dr. M. K. Babrokar
② Dr. S. V. Deshmulch

Date: 8/9/2019

Sr No	Name of Student	Signature
1.	RAUT DIPAK DEUBA	
2.	BAWASKAR CHHAYA RAMESH	
3.	SONNE VARSHA KASHINATH	
4.	PANDHARE RAHUL NANARAO	
5.	DIWATE KALPANA RAMDAS	
6.	BAINADE DINESH VILAS	
7.	KARGHE RAM CHANDRASING	
8.	EDHATE ASHVINI KASHINATH	
9.	KATHARWANI BHARAT DATTU	
10.	SURADKAR AMRAPALI VASANTRAV	
11.	SHINDE GOPALSING KHUSHALSING	
12.	INGLE SUKESHA ANAND	
13.	BAVASKAR ANIL DILIP	
14.	SALVE PAWAN SHRIDHAR	
15.	SHAIKH SHAGUFTA BEGUM ABDULLAHA	
16.	PAWAR MANOJ KESHARSING	
17.		
18.		
19.		
20.		



Dr. M. K. Babrokar


Teachers Signature
Dr. S. V. Deshmulch

*** DAILY ATTENDANCE REPORT ***
Remedial Coaching Classes

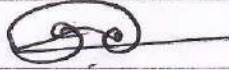
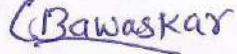
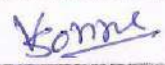
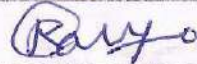
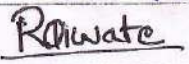
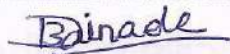
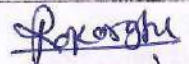
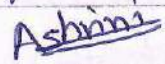
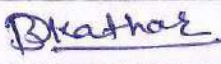
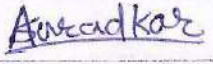
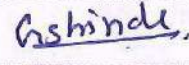

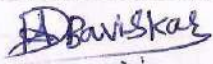

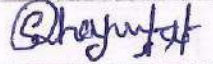

Subject: Physics

Class: B.Sc. F. Y.

Name of Teacher:

Dr. M. K. Babrekar
Dr. S. V. Deshmulch

Date: 15/9/2019

Sr No	Name of Student	Signature
1.	RAUT DIPAK DEUBA	
2.	BAWASKAR CHHAYA RAMESH	
3.	SONNE VARSHA KASHINATH	
4.	PANDHARE RAHUL NANARAO	
5.	DIWATE KALPANA RAMDAS	
6.	BAINADE DINESH VILAS	
7.	KARGHE RAM CHANDRASING	
8.	EDHATE ASHVINI KASHINATH	
9.	KATHARWANI BHARAT DATTU	
10.	SURADKAR AMRAPALI VASANTRAV	
11.	SHINDE GOPALSING KHUSHALSING	
12.	INGLE SUKESHA ANAND	
13.	BAVASKAR ANIL DILIP	
14.	SALVE PAWAN SHRIDHAR	
15.	SHAIKH SHAGUFTA BEGUM ABDULLAHA	
16.	PAWAR MANOJ KESHARSING	
17.		
18.		
19.		
20.		



Dr. M. K. Babrekar


Teachers Signature

Dr. S. V. Deshmulch



Ajantha Education and Military Preparatory Institutes

Indraraj Arts, Commerce and Science College

Sillod, Dist. Aurangabad-431112

Test Paper No. I

Maximum Marks: 20

Date: 08/02/2020

Que 1 What are the dimensional formula of following physical quantity 5-Marks

- i) Area
- ii) Acceleration
- iii) Pressure
- iv) Kinetic energy
- v) Density

Que 2 State and explain Newton's law of gravitation.

5-Marks

Que 3 Define the following terms

5-Marks

- i) Vector
- ii) Equal vector
- iii) Negative of vector
- iv) Unit vector
- v) Zero vector

Que 4 What is least count? Write down the general formula for least count.

What are the least count of following instruments?

5-Marks

- i) Vernier calliper
- ii) Screw gauge
- iii) Travelling microscope



Ajantha Education and Military Preparatory Institutes

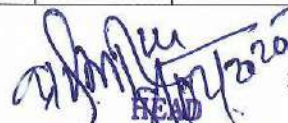
Indraraj Arts, Commerce and Science College,

Sillod, Dist. Aurangabad- 431112

Result of slow learners students

Academic Year: 2019-2020 P-I 08/02/2020

Sr. No.	12th %	Name	Oral Test 20 Mark	Written Test 20 Mark	Total 40	Other (%)
1.	66.92	RAUT DIPAK DEUBA	16	15	31	77.5
2.	66.73	BAWASKAR CHHAYA RAMESH	15	16	31	77.5
3.	66.62	SONNE VARSHA KASHINATH	16	17	33	82.5
4.	66.31	PANDHARE RAHUL NANARAO	14	16	30	75
5.	66.00	DIWATE KALPANA RAMDAS	15	15	30	75
6.	65.23	BAINADE DINESH VILAS	15	16	31	77.5
7.	65.08	KARGHE RAM CHANDRASING	16	16	32	80
8.	64.92	EDHATE ASHVINI KASHINATH	14	16	30	75
9.	64.31	KATHARWANI BHARAT DATTU	17	16	33	82.5
10.	63.85	SURADKAR AMRAPALI VASANTRAV	18	17	35	87.5
11.	63.69	SHINDE GOPALSING KHUSHALSING	18	18	36	90
12.	62.62	INGLE SUKESHA ANAND	17	18	35	87.5
13.	62.15	BAVASKAR ANIL DILIP	16	14	30	75
14.	62.15	SALVE PAWAN SHRIDHAR	17	15	32	80
15.	60.00	SHAIKH SHAGUFTA BEGUM ABDULLAHA	16	16	32	80
16.	53.38	PAWAR MANOJ KESHARSING		AB		



Subject teacher sign

Dept. of Physics

Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad



Ajantha Education and Military Preparatory Institutes
Indraraj Arts, Commerce and Science College
Sillod, Dist. Aurangabad-431112
Test Paper No. II

Maximum Marks: 20

Date: 9-2-2020

-
- Q1. What is Diode? Explain forward Biased Diode? 4 Marks
- Q2. Explain P-N Junction Diode. 4 Marks
- Q3. Explain Construction and working of Common base transistor. 4 Marks
- Q4. What are binary and decimal number System? How to convert decimal to binary number explain with example. 4 Marks
- Q5. Write a note on 1) AND Gate 2) OR Gate 4 Marks



Ajantha Education and Military Preparatory Institutes

Indraraj Arts, Commerce and Science College,

Sillod, Dist. Aurangabad- 431112

Result of slow learners students

Academic Year: 2019-2020 P-II 09-02-2020

Sr. No.	12th %	Name	Oral Test 20 Mark	Written Test 20 Mark	Total 40	Other (%)
1.	66.92	RAUT DIPAK DEUBA	16	17	33	82.5
2.	66.73	BAWASKAR CHHAYA RAMESH	15	16	31	77.5
3.	66.62	SONNE VARSHA KASHINATH	16	15	31	77.5
4.	66.31	PANDHARE RAHUL NANARAO	14	16	30	75.00
5.	66.00	DIWATE KALPANA RAMDAS	18	17	35	82.5
6.	65.23	BAINADE DINESH VILAS	16	16	32	80.00
7.	65.08	KARGHE RAM CHANDRASING	16	14	30	75.00
8.	64.92	EDHATE ASHVINI KASHINATH	17	15	32	80.00
9.	64.31	KATHARWANI BHARAT DATTU	16	14	30	75.00
10.	63.85	SURADKAR AMRAPALI VASANTRAV	17	18	35	87.5
11.	63.69	SHINDE GOPALSING KHUSHALSING	18	17	35	87.5
12.	62.62	INGLE SUKESHA ANAND	17	16	33	82.5
13.	62.15	BAVASKAR ANIL DILIP	16	14	30	75.00
14.	62.15	SALVE PAWAN SHRIDHAR	17	15	32	80.00
15.	60.00	SHAIKH SHAGUFTA BEGUM ABDULLAHA	14	16	30	75.00
16.	53.38	PAWAR MANOJ KESHARSING	—	ABSENT	—	—

Seek
HEAD

Dept. of Physics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Subject teacher sign

DR. M. K. Babar



Ajantha Education and Military Preparatory Institutes

Indraraj Arts, Commerce and Science College

Sillod, Dist. Aurangabad-431112

Test Paper No. III

Maximum Marks: 20

Date: 9-2-2020

-
- | | | |
|-------|---|----------|
| Que 1 | Explain Bohr's atomic model | 4 Marks |
| Que2 | What is radioactive decay? Explain alpha decay. | 4 Marks |
| Que3 | Write a note on following | 12 Marks |
| | 1. Rheostat | |
| | 2. Ohm's law | |
| | 3. Magnetic line of force and magnetic field | |
| | 4. Nuclear Energy | |



Ajantha Education and Military Preparatory Institutes
Indraraj Arts, Commerce and Science College,
Sillod, Dist. Aurangabad- 431112

Result of slow learners students

Academic Year: 2019-2020 P-III 09/02/2020

Sr. No.	12th %	Name	Oral Test 20 Mark	Written Test 20 Mark	Total	Other
1.	66.92	RAUT DIPAK DEUBA	15	16	31	77.5 ✓
2.	66.73	BAWASKAR CHHAYA RAMESH	16	17	33	82.5 ✓
3.	66.62	SONNE VARSHA KASHINATH	16	15	31	77.5 ✓
4.	66.31	PANDHARE RAHUL NANARAO	16	16	32	80 ✓
5.	66.00	DIWATE KALPANA RAMDAS	14	16	30	75 ✓
6.	65.23	BAINADE DINESH VILAS	18	17	35	87.5 ✓
7.	65.08	KARGHE RAM CHANDRASING	17	15	32	80 ✓
8.	64.92	EDHATE ASHVINI KASHINATH	16	16	32	80 ✓
9.	64.31	KATHARWANI BHARAT DATTU	15	16	31	77.5 ✓
10.	63.85	SURADKAR AMRAPALI VASANTRAV	15	16	31	77.5 ✓
11.	63.69	SHINDE GOPALSING KHUSHALSING	15	15	30	75 ✓
12.	62.62	INGLE SUKESHA ANAND	18	18	36	90 ✓
13.	62.15	BAVASKAR ANIL DILIP	17	16	33	82.5 ✓
14.	62.15	SALVE PAWAN SHRIDHAR	14	16	30	75 ✓
15.	60.00	SHAIKH SHAGUFTA BEGUM ABDULLAHA	17	15	32	80 ✓
16.	53.38	PAWAR MANOJ KESHARSING	—	AB	—	—

Checked

[Signature]
10/2/2020
Dept. of Physics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Subject teacher sign

[Signature]
(Dr. S. V. Deshmukh)



Ajantha Education and Military Preparatory Institutes

Indraraj Arts, Commerce and Science College,

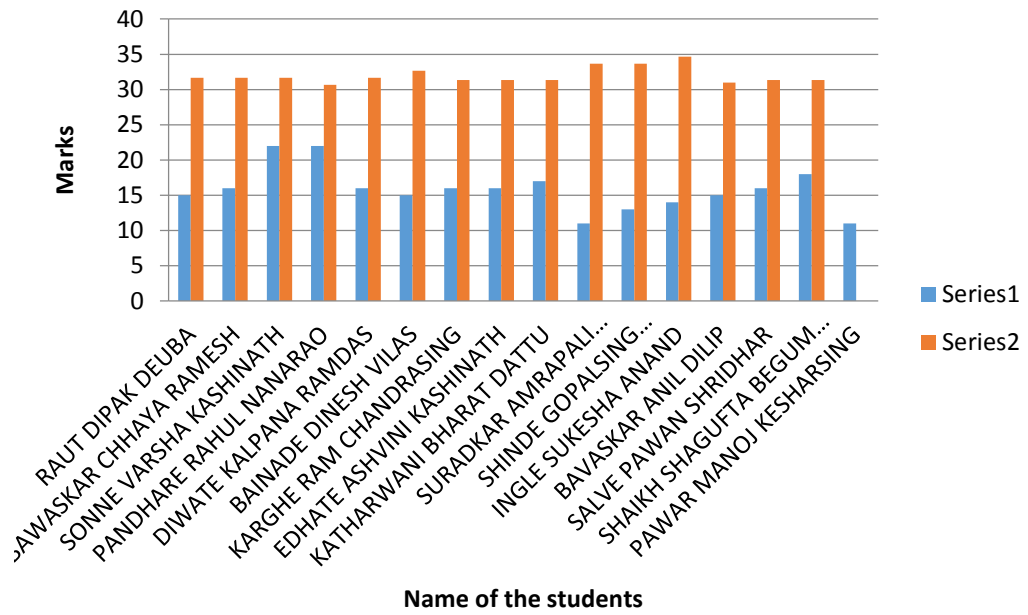
Sillod, Dist. Aurangabad-431112

SUMMARY: 2019-20

Sr. No.	12th %	Name	CET (40)	Test Total Marks 40			Total	Average
				I	II	III		
1	66.92	RAUT DIPAK DEUBA	15	31	33	31	95	31.7
2	66.73	BAWASKAR CHHAYA RAMESH	16	31	31	33	95	31.7
3	66.62	SONNE VARSHA KASHINATH	22	33	31	31	95	31.7
4	66.31	PANDHARE RAHUL NANARAO	22	30	30	32	92	30.7
5	66.00	DIWATE KALPANA RAMDAS	16	30	35	30	95	31.7
6	65.23	BAINADE DINESH VILAS	15	31	32	35	98	32.7
7	65.08	KARGHE RAM CHANDRASING	16	32	30	32	94	31.3
8	64.92	EDHATE ASHVINI KASHINATH	16	30	32	32	94	31.3
9	64.31	KATHARWANI BHARAT DATTU	17	33	30	31	94	31.3
10	63.85	SURADKAR AMRAPALI VASANTRAV	11	35	35	31	101	33.7
11	63.69	SHINDE GOPALSING KHUSHALSING	13	36	35	30	101	33.7
12	62.62	INGLE SUKESHA ANAND	14	35	33	36	104	34.7
13	62.15	BAVASKAR ANIL DILIP	15	30	30	33	93	31.0
14	62.15	SALVE PAWAN SHRIDHAR	16	32	32	30	94	31.3
15	60.00	SHAIKH SHAGUFTA BEGUM ABDULLAHA	18	32	30	32	94	31.3
16	53.38	PAWAR MANOJ KESHARSING	11	AB	AB	AB	AB	AB

In Academic year 2019-20, there are total 64 students are admitted for B.Sc. F.Y. Physics, out of 16 slow learners for B.Sc. F. Y. Initially they score less than 22 marks out of 40 marks and after planning and teaching of remedial classes regularly, the concept of Physics clear to

them and they perform better which is reflected in class test I, II and III taken after the classes. The progress of the each students is pictorially shown in graph given below,



Graph: The progress of the each students

(Signature)
HEAD
Dept. of Physics
 Indraraj Arts, Comm. & Science College,
 Sillod, Dist. Aurangabad



Ajantha Education and Military Preparatory Institutes

Indraraj Arts, Commerce and Science College Sillod.

Dist. Aurangabad- 431112

**REMEDIAL COACHING CLASSES FOR
DEPARTMENT OF ECONOMICS**

Academic Year: 2019-2020

HEAD

Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Course Co-ordinator

Introduction:

Remedial Coaching Classes for Economics are organized for Students who come from an increasingly diverse background, having less advance knowledge about Economics concepts. The efforts have been taken to improve the performance and quality and enable them to develop specific competencies. It is very difficult to define economics because economics is very dynamic subject. Its scope keeps on changing rather expanding. There are divergent views about the scope of economics due to continuous growth in the subject matter of this subject.

Aims and Objectives of Remedial Teaching in Economics:

Following aims and objectives are considered for the undergraduate students:

- To Develop Basic Concepts of Economics
- Students will use economic models in domestic and global contexts to analyze individual decision making, how prices and quantities are determined in product and factor markets, and macroeconomic outcome.
- Students will analyze the performance and functioning of government, markets and institutions in the context of social and economic problems.
- Students will think critically about economic models, evaluating their assumptions and implications.
- Students will use data to describe the relationships among variables in order to analyze economic issues.

Identification of Slow Learners:

- Identification of slow learners for Remedial Teaching in Economics organized on the basis of previous exam performance in the subject and the careful observations and the signs such as: Not Proper Writing & Handwriting.

Identification of Advance Learners:

- Advanced learners are identified on the basis of the extra ordinary performance in beforehand examination. They can easily be found by the queer abilities and extracurricular activities and their outperformance in sports, debate, quiz and various level competitions.

Remedial Coaching Classes in Department of Economics

Name of Programme	Academic Year	Student Enrolled	Conducted Department
Remedial Coaching	2019-20 Slow Learner	09	Department of Economics
	2019-20 Advanced Learner	05	



HEAD

Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD

Roll No. List of Slow Learners for Remedial Coaching

ECONOMICS

Academic Year: 2019-20

Class: BAFY

Roll NO.	Student Name	12th Class Marks
		Economics
1.	Aher Yogesh Krushna	46
2.	Bawaskar Manisha Sahebrao	58
3.	Bhole Aswini Ratanakar	55
4.	Chirmade Keshav Sangrao	51
5.	Munde Monali Eknath	46
6.	Pawar Atul Jaysing	44
7.	Suradkar Vishnu Bhimrao	47
8.	Shah Taleb Hasan	51
9.	Thate Datta Suradkar	45



HEAD

Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD

Roll No. List of Advance Learners for Remedial Coaching

ECONOMICS

Academic Year: 2019-20

Class: BAFY

Roll No.	Student Name	12th Class Marks in Economics
1.	Agarawal Pratiksha Dhirajlal	71
2.	Arke Sunaina Gangadhar	67
3.	Ingle Chetan Mangalsing	66
4.	Ingle Deepali Santosh	73
5.	Shinde Pooja S	71



HEAD

Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD

***FACULTY WISE TIMETABLE FOR SLOW LERNER REMEDIAL
COACHING***

DEPARTMENT OF ECONOMICS

ACADEMIC YEAR: 2019-2020

Sem:-I

<i>NAME OF THE FACULTY</i>	<i>DAY</i>	<i>TIME</i>	<i>CLASS</i>
Dr. Pawar A. B	Saturday	5.00 To 6.00 Pm	BA First Year
Dr. Sarode K. G.	Sunday	9.00 To 10.00 pm	BA First Year

Sem:-II

<i>NAME OF THE FACULTY</i>	<i>DAY</i>	<i>TIME</i>	<i>CLASS</i>
Dr. Pawar A. B	Saturday	5.00 To 6.00 Pm	BA First Year
Dr. Sarode K. G.	Sunday	9.00 To 10.00 pm	BA First Year



HEAD

Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Co-ordinator



Principal
PRINCIPAL

**Indraraj Art's, Comm. &
Science College, Sillod
Dist.Aurangabad**

Principal

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD

Course Wise Topics Finalize For Slow Learners

Economics Basic Concepts

DEPARTMENT OF ECONOMICS

ACADEMIC YEAR: 2019-2020

-
- Meaning of Utility
 - Elasticity of Demand
 - - Price, Income,
 - Consumer behavior
 - Meaning and Importance of Equilibrium.
 - Types of Market
 - Concepts of development and under development.
 - Poverty - The concept and measurement of poverty, Causes of poverty and Remedies.
 - Analysis of Demand
 - Analysis of Supply
 - Micro Economics - Meaning,
 - Money
 - Welfare Economics
 - Definition and scope of Economics.
 - General characteristics of Indian Economy.
 - New Economic Policy.




HEAD

Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Co-Ordinator

INDRARAJ ARTS, COMMERCE AND SCIENCE COLLEGE SILLOD
PROGRAMME ORGANISED FOR SLOW LEARNERS
DEPARTMENT OF ECONOMICS
ACADEMIC YEAR: 2019-2020

Activity/Content /Topic	Objective	Outcome
<p>Types of Market Concepts of development and Under development. General characteristics of Indian Economy. New Economic Policy Poverty - The concept and measurement of poverty, Causes of poverty and Remedies. Definition and scope of Economics. Micro Economics - Meaning, Money Welfare Economics Analysis of Demand Analysis of Supply Meaning of Utility Elasticity of Demand - Price, Income, Consumer behaviour Meaning and Importance of Equilibrium.</p>	<p>Three main concepts of objective poverty can be distinguished: Absolute, relative, and (welfare) political. the utility of an outcome measures The extent to which that outcome is preferred, or preferable, to the alternatives. The main objective of studying Economics is to have an overall Account of production, distribution as well as consumption of goods And services. consumer behaviour analysis are mostly consumer researches are undertaken to find out the attitudes Of the consumer about a product. Their main purpose is to guide your marketing efforts toward set Milestones. The most effective objectives should also align with Your business plan and complement you Overarching Business goals.</p>	<p>Apply relevant consumer behaviour theories in understanding the impact Of marketing strategies. The market outcome is a quantity where marginal social costs equal marginal social benefits if all costs and benefits are captured By supply and demand Curves. Individuals, households, firms, industries and government take decision relating to the allocation of limited resources to productive uses. poverty is not the problem of a person but of the Whole nation. Also, it should be deal with on an urgent basis by the implementation of Effective measures.</p>


HEAD
Dept. of Economics
Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Co-Ordinator

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD
QUESTION PAPER FOR SLOW LEARNERS

DEPT. OF ECONOMICS

ACADEMIC YEAR: 2019-2020

Duration: 50 Minutes

Marks: 30

Sem- First

Subject – Economics

Date: - 15/03/2020

Student Name Roll No.

-
1. सर्व उपभोक्त्यानी केलेली मागणी म्हणजे..... *
- i) व्यक्तिगत मागणी ii) विशिष्ट मागणी iii) बाजाराची मागणी iv) यापैकी नाही
2. वस्तुच्या अंगी गरज पूर्ण करण्याची क्षमता म्हणजे *
- i) समवृत्ती ii) उपयोगिता iii) मागणी iv) यापैकी नाही
3. मागणीचा सिद्धांत हा या नियमावर आधारित आहे *
- i) घटत्या उपयोगितेच्या ii) पूरवठ्याच्या iii) समसीमांत उपयोगितेच्या
iv) यापैकी नाही
4. ग्राहकांच्या वर्तवणुकेला मागिल महात्वाचा मुद्दा म्हणजे ग्राहक *
- i) कमाचे श्रम कमी ii) कमाल उपयोगिता iii) उपभोगाचा खर्च कमी
iv) यापैकी नाही
5. प्रा. लर्नर यांच्या मते, सूक्ष्म अर्थशास्त्रद्वारे अर्थव्यवस्थेकडे पाहिले जाते. *
- i) जणु काही सूक्ष्मदर्शकातून ii) दुर्बिनितून iii) विशाल दृष्टिकोणातून

12. उपयोगिता ही चांगली किंवा वाईट गोष्टिंचा विचार करित नाही, म्हणजेच ती असते. *

i) नैतिकदृष्ट्या तटस्थ ii) काल सापेक्ष iii) व्यक्ती सापेक्ष iv) यापैकी नाही

13. MU म्हणजे काय? *


i) एकूण उपयोगिता ii) सीमांत उपयोगिता iii) किंमत iv) खर्च

14. इतर परिस्थिति कायम असताना एखादया वस्तुच्या साठयात वाढ होत गेल्यास त्या वाढीपासुन मीलणारे समाधान क्रम: श *

i) घटत जाते ii) वाढत जाते iii) समान राहते iv) स्थिर राहते

15. घटती सीमांत उपयोगिता डावीकडून उजवीकडे खाली उतरत जातो. *

i) सीमांत उपयोगिता घटत जाते ii) सीमांत उपयोगिता वाढत जाते
iii) सीमांत उपयोगिता कमी होत जाते iv) यापैकी नाही


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Co-Ordinator

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD

Progress Report of Slow Learners

DEPARTMENT OF ECONOMICS

Academic Year: 2019-20

Class :- BAFY

Date:- 15/03/2020

FOR TEST -I

Sr. No	Name Of The Student	12 th Economics Percentage	Theory Exam Marks (30)	Oral Exam Mark (20)	Marks Obtained (50)	Progressive Percentage
1.	Aher Yogesh Krushna	46	22	17	39	78
2.	Bawaskar Manisha Sahebrao	58	23	14	37	74
3.	Bhole Aswini Ratanakar	55	21	18	39	78
4.	Chirmade Keshav Sangrao	51	20	16	36	72
5.	Munde Monali Eknath	46	26	14	40	80
6.	Pawar Atul Jaysing	44	22	17	39	78
7.	Suradkar Vishnu Bhimrao	47	23	17	37	74
8.	Shah Taleb Hasan	51	20	16	36	72
9.	Thate Datta Suradkar	45	21	17	38	76



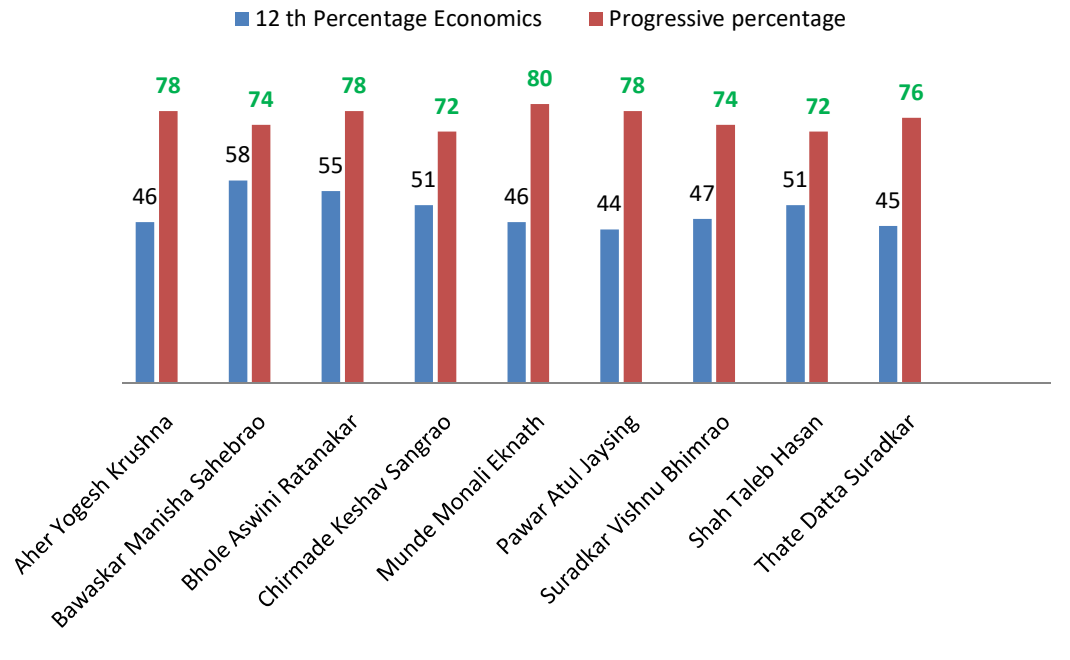
Class Teacher



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Dept. of Economics
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Sillood, Dist. Aurangabad

Head of Department

Progress Report of Slow Learners - FOR TEST -I



Class Teacher

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Head of Department

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD
QUESTION PAPER FOR SLOW LEARNERS

DEPT. OF ECONOMICS

Duration: 50 Minutes

Marks: 30

Subject – Economics

Date: - 15/03/2020

Student Name

Roll No.

1. दर हजार पुरुषामागे श्रियांची असणारी संख्या म्हणजे होईल. *
i) घनता ii) साक्षरता iii) सरासरी आयुर्मान iv) लिंग गुणोत्तर
2. छोटे उद्योग, घरगुती उद्योग, प्रक्रिया उद्योग, खानकाम व बांदकाम इत्यादि व्यवसायंचा समावेश क्षेत्रात होतो. *
i) प्राथमिक ii) दितीय iii) तृतीय iv) चतुर्थ
3. हे लोकसंख्या महाविभजनाचे वर्ष म्हणून ओलखले जाते *
i) 1901 ii) 1911 iii) 1921 iv) 1931
4. सन 2011 च्या जणगननेनुसार भारतातील लिंग गुणोत्तर होते. *
i) 940 ii) 933 iii) 927 iv) 945
5. भारतात दर वर्षानी लोकसंखेची गणना केली जाते. *
i) 5 ii) 6 iii) 11 iv) 10
6. अतिरिक्त लोकसंख्या सिद्धांत सर्वप्रथम यांनी केला *
i) डाल्टन ii) कयानन iii) मार्शल iv) माल्थस
7. भारताचे क्षेत्रफल जगाच्या एकुन क्षेत्रफालापैकि टक्के आहे. *
i) 2.4 ii) 3.4 iii) 1.4 iv) 4.4
8. भारतीय अर्थव्यवस्थेत पैशाचे अस्तित्व मोट्या प्रमाणात आहे. *
i) हिशेबी ii) पांढरया iii) बेहिशेबी iv) काल्या
9. हे भारतीय अर्थव्यवस्थेचे वैशिष्ट्य आहे *
i) कृषी आधारित अर्थव्यवस्था ii) अन्न धान्य उत्पादनात घट

iii)घटती बेकारी

iv) वाढते शहरीकरण

10. उत्पादक उपक्रमाचे अणि पुरावल्या जानारया सेवांचे एकत्रीकरण म्हणजे

..... *

i) उत्पादन

ii) अर्थव्यवस्था

iii)वितरण

iv) उत्पादक

11. मूलभूत गरजा पूर्ण करण्याची व्यक्तिची आर्थिक असमर्थता म्हणजे.

..... *

i)दरिद्र ii)बेकारी

iii)भाववाद

iv)आर्थिक विषमता

12. दृष वस्तु व सेवांच्या आयात निर्यातीचे मूल्य दर्शविनारा तालेबंद मंजे होय *

i) व्यवहारतोल

ii) व्यापारतोल

iii)आयात निर्यात

iv) व्यापार

13. 2011 च्या जणगननेनुसार सर्वाधिक साक्षरता कोणत्या राज्यात आहे *

i))महाराष्ट्र

ii) केरल

iii)गुजरात

iv)बिहार

14. सन 2011 मधे चीनची लोकसंख्या कोटी आहे *

i) 121

ii) 124

iii)134

iv)135

15. जन्मास येनारी व्यक्ती सारासरी किती वर्षे जगते ते प्रमाण म्हणजे होय.

i) घनता

ii) साक्षरता

iii)सारासरी आयुर्मान

iv) लिंग गुणोत्तर

HEAD

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Head of Department

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD

Progress Report of Slow Learners

DEPARTMENT OF ECONOMICS

Academic Year: 2019-20

Class :- BAFY

Date:- 15/03/2020

FOR TEST -II

Sr. No	Name Of The Student	12 th Economics Percentage	Theory Exam Marks (30)	Oral Exam Mark (20)	Marks Obtained (50)	Progressive Percentage
1.	Aher Yogesh Krushna	46	23	17	40	80
2.	Bawaskar Manisha Sahebrao	58	22	17	39	78
3.	Bhole Aswini Ratanakar	55	21	18	39	78
4.	Chirmade Keshav Sangrao	51	24	18	42	84
5.	Munde Monali Eknath	46	21	16	37	74
6.	Pawar Atul Jaysing	44	22	17	39	78
7.	Suradkar Vishnu Bhimrao	47	23	18	41	82
8.	Shah Taleb Hasan	51	20	18	38	76
9.	Thate Datta Suradkar	45	24	16	40	80

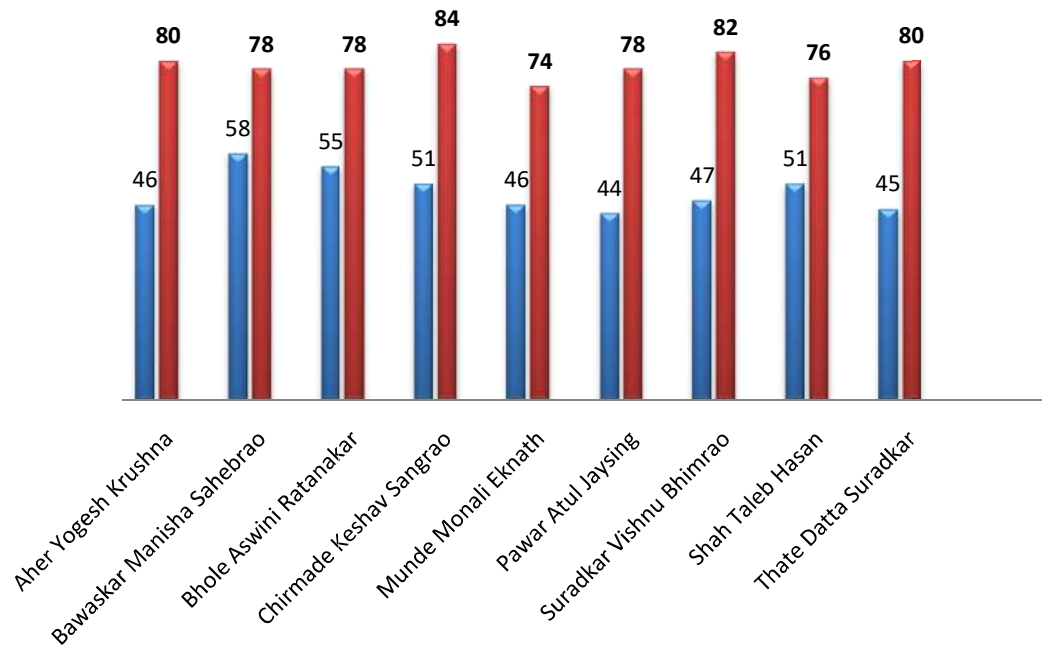
Class Teacher

HEAD
Dept. of Economics
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Head of Department

Progress Report of Slow Learners - FOR TEST -II

■ 12 th Percentage Economics ■ Progressive percentage



Class Teacher

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Indraraj Arts, Comm. & Science College,
Sillod, Dist. Aurangabad

Head of Department

INDRARAJ ARTS COMMERCE AND SCIENCE COLLEGE, SILLOD


Advance Learners for Counseling

DEPARTMENT OF ECONOMICS

ACADEMIC YEAR: 2019-2020

Remedial course for advance learners is being designed on basis of their Future progressive knowledge about Economics.

- Banking Sector Opportunity
- Future Planning Education
- Regular Teaching
- Govt. Opportunity & MPSC Guidance
- Seminars & Conferences Guidance


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Head of Department