

**Arts, Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S P-I: Introduction to Sociology**

Month	Class & Paper No.	Syllabus Assigned
June-19	B.A.F.Y. SEM-I, P-I	Admission Process.
July-19	— " —	Unit-1: Introduction to Sociology:— Definition, subject-matter & scope Development of Sociology.
Aug-19	— " —	Unit-2: Basic Concepts:— Society— Social Group Social Institution Social system.
Sept-19	— " —	Unit-3: Perspective in Sociology:— structural Functionalist Conflict
Oct-19	— " —	Unit-4: The Uses of Sociology:— Analysis of social problem Evaluation of social change Social Policy & Action.

# Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

2019 - 2020

**PRACTICAL'S P-III: Introduction to subfields of Sociology.**

Class & Paper No.	Syllabus Assigned
A.F.Y. I-II, P-III	Divaly Vacation & Examinations -
-11-	<u>Unit-1: Sociology and Society:-</u> Urban Sociology Rural Sociology.
-11-	<u>Unit-2: Sociology and Interaction:-</u> Social Psychology - Political Sociology.
-11-	<u>Unit-3: Sociology and culture:-</u> Anthropology - meaning, scope and Development.
-11-	<u>Unit-4: Applied form of Sociology:-</u> Applied Sociology - Industrial Sociology.

# Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

2019 - 2020

**THEORY / PRACTICAL'S P-V: Problems of Rural India.**

Month	Class & Paper No.	Syllabus Assigned
June-19	B.A.S.V. SEM-III, P-V.	Admission Process.
July-19	-11-	<u>Unit-1: Institutional Issues:-</u> Disintegration of Rural Family. Problems of Rural women Domestic Violence, Dowary.
Aug-19	-11-	<u>Unit-2: Education and Health:-</u> Dropout in Education Problem of illiteracy. Community Health.
Sept-19	-11-	<u>Unit-3: Rural Economy:-</u> Problem of landless labour. Problem of Rural Industries. Developmental projects and displacement.
Oct-19	-11-	<u>Unit-4: Major issues of development:-</u> Rural unemployment. Corruption in governmental schemes. Indebtness.



## ANNUAL TEACHING PLAN

2019 - 2020

ACTIGAL'S P: VII: Population in India.

Class & Paper No.	Syllabus Assigned
A.S.Y. M-IV, P. VII	Divaly Vacation and Examinations-
-11-	Unit-1: Basic Concepts:- Fertility. Mortality Density of Population.
-12-	Unit-2: Human Population Dynamics:- Population growth and environment. Sex ratio and female feticide- Problem of Aging.
-11-	Unit-3: Demographic Transition:- Preindustrial stage - Industrial stage Postindustrial stage.
-12-	Unit-4: Population Policy:- New population policy of India. Family welfare programme.

## ANNUAL TEACHING PLAN

2019 - 2020

THEORY / PRACTICAL'S P: IX: Sociological Traditions

Month	Class & Paper No.	Syllabus Assigned
June-19	B.A.T.Y. SEM-V, P. IX	Admission process.
July-19	-11-	Unit-1: Emergence of Sociological Thought:- Period of Enlightenment- French Revolution - Industrial Revolution-
Aug-19	-11-	Unit-2: The Pioneers:- (a) August Comte:- Positivism, Law of three stage. (b) Herbert Spencer:- Theory of organism, Evolution.
Sept-19	-11-	(c) Emile Durkheim:- Theory of suicide, Social fact, methodology.
Oct-19	-11-	Unit-3: The classical Tradition:- (a) Karl Marx:- Historical materialism. (b) Max Weber:- Theory of Authority.

**ANNUAL TEACHING PLAN**

2019 - 2020

**PRACTICAL'S** P-XIII: Sociological Theories:

Class & Paper No.	Syllabus Assigned
A.T.Y. M.VI, P. XIII	Divally Vacation and Examinations -
-11-	Unit-1: Functionalism :- (a) Talcott parsons:- Theory of Social Action, Social system. (b) Robert merton :- Role set, Reference group.
-11-	Unit-2: Conflict Theory - (a) Lewis Coser- Function of Social conflict. (b) Ralf D. Thurnherdorf: Causes of conflict in industrial society. Power and Authority.
-11-	Unit-3: Symbolic Interaction: (a) C.H. Colley - (b) G.H. Mead -

**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S** P.X: Introduction to Research methodology:-

Month	Class & Paper No.	Syllabus Assigned
June-19	B.A.T.Y. SEM-V P-X	Admission Process.
July-19	-11-	Unit-1:- Basic Concepts in Research methodology - (a) meaning of Research - (b) scope and importance of S.R. (c) Objectivity -
Aug-19	-11-	Unit-2 Types of Research - (a) pure and applied - (b) qualitative and quantitative (c) Descriptive and Exploratory -
Sept-19	-11-	Unit-3. Scientific Research process - (a) Formulation of problem - (b) Hypothesis -
Oct-19	-11-	(c) Sampling and Data collection - (d) Data analysis and statement -



**ANNUAL TEACHING PLAN**

2019 - 2020

**PRACTICAL'S P. XIV: Social Research methods.**

Class & Paper No.	Syllabus Assigned
B.A.T.Y. M-VI, P. XIV	Divaly Vacation and Examinations -
—12—	Unit-1: - Technique of Investigation - (a) Observation - (b) questionair. (c) Interview -
—11—	Unit-2: Computer application - (a) Use of computer - (b) Internet (c) SPSS -
—11—	Unit-3: Utility of social Research - (a) To analysis social problem - (b) To study society -
—11—	(c) Evaluation of welfare schemes - (d) policy Advocacy -

**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S P. XI: Social problems in India.**

Month	Class & Paper No.	Syllabus Assigned
June-19	B.A.T.Y. SEM-VI, P. XI	Admission Process -
July-19	—11—	Unit-1: Corruption and crime - (a) corruption in India - (b) White collar crime -
Aug-19	—12—	(c) suicide - (d) measures of corruption -
Sept-19	—11—	Unit-2: Displacement and Rehabilitation:- (a) SEZ - (b) Land acquisition - (c) commercialization of agriculture - (d) measures on Rehabilitation problems -
Oct-19	—11—	Unit-3: Problem of Inequality:- (a) Educational inequality - (b) Rural India against urban India - (c) Globalization and increasing inequality.







**DAILY TEACHING PLAN**

2019 - 2020

Date: 03-07-2019

Paper No.	Topic and its Sub units to be taught
I	समाजशास्त्राचा उदय - 1) समाजशास्त्र एक व्यापक शास्त्र आहे. 2) समाजशास्त्र शब्द शास्त्राचा समन्वय - 3) समाजशास्त्राचा वापर सा. पुनर्निर्मितीसाठी -
IX	Unit-1: Emergence of Sociological Thought. - प्रस्तावना सामाजिक विचार म्हणजे काय? सामाजिक विचारांचे स्वरूप - शास्त्रीय पद्धतीची तत्वे
X	1) अनुभवप्राधान्य - 2) सापेक्ष संकल्पनांचा उपयोग - 3) वस्तुनिष्ठतेवरिक्त प्रश्ना -
XI	सामाजिक समस्येचे स्वरूप - 1) सामाजिक समस्येचे प्रयोगिक स्वरूप - 2) शार्वत्रिकता - 3) सामाजिक समस्येचे अपरिहार्य स्वरूप -
XII	प्रकल्प कार्य -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 04-07-2019

Subject:

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	Unit-1. Institutional Issues:- - प्रस्तावना - - सामाजिक संस्थांचा अर्थ - i) मॅकडॉनल्ड्स, ii) किंगफिश डेव्हिस, iii) वेगार्डिस - सामाजिक विचारांची वैशिष्ट्ये -
B.A.T.Y.	IX	1) सामाजिक विचार हे सामाजिक अस्तित्व - 2) सा. विचार सा. समस्येसून निर्गमित होतात - 3) सा. विचार हे कांतराकृतीशी संबंधित - 4) कामगारविरोधी स्वरूप -
B.A.T.Y.	X	4) नैतिक तटस्थता - 5) सामाजिकीकरण 6) अविष्यक्तपण - 7) प्रकृतपद्धती -
B.A.T.Y.	XI	4) सामाजिक समस्येचे सामाजिक स्वरूप - 5) सामाजिक सामाजिक स्वरूप - 6) मूल्ये आणि प्रमाणकांशी विकसितता - 7) विविध समस्ये परंपर संबंधित अस्तित्व -



**DAILY TEACHING PLAN**

2019 - 2020

Date: 05-07-2019

Paper No.	Topic and its Sub units to be taught
V	शासनाधिक संस्थाची वैशिष्ट्ये - 1) संस्था किमतीचा उद्देश - 11) शिक्षण संरचना - 111) क्षेत्र - 5) परिवर्तनशिलता -
IX	6) आ-प्राविष्टाचा परिणाम - 7) प्रगतीकरण प्रतीक व चिन्ह मानून - 8)
XII	प्रकल्प कार्य -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 06-07-2019.

Subject:

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	iv) प्रतिक्रिया साधार - v) तात्पर्यता - शासनाधिक संस्थाची कार्ये - 1) शिक्षण संस्थाची प्रतीक -
B.A.S.Y.	V	2) लक्ष्ये लक्ष्ये साधना सुलभता निर्माण करणे - 3) दर्जा आणि श्रेणीची निश्चिती - 4) सांस्कृतिक एकात्मिकता -
B.A.S.Y.	V	शासनाधिक संस्थांचे प्रकार - 1) कुटुंब संस्था - 5) रात्र संस्था - 2) विवाह संस्था - 6) शिक्षण संस्था - 3) धर्म संस्था - 4) अर्थ संस्था -
B.A.T.Y.	XII	प्रकल्प कार्य -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 08-07-2019.

Psychology

Paper No.	Topic and its Sub units to be taught
I	मौलिक कौशल्या इण्टिग्रेशन - 1) सामाजिक स्थितीशास्त्र - 2) सामाजिक गतिशास्त्र -
IX	सैद्धांतिक विचारांचा उगम - मानवी चिंतनाच्या अवस्था - (i) शारीरिक चिंतन - (ii) तार्किक चिंतन -
X	सामाजिक संशोधनाचा अर्थ - प्रस्तावना - सामाजिक संशोधनाची व्याख्या - सामाजिक संशोधनाचा उद्देश -
XI	सामाजिक समस्यांची कारणे - i) आर्थिक कारणे - ii) धार्मिक कारणे - iii) सामाजिक कारणे -
XII	iv) राजकीय कारणे - प्रकल्प कार्य

**DAILY TEACHING PLAN**

2019 - 2020

Date: 09-07-2019.

Subject:

Class	Paper No.	Topic and its Sub units to be taught
B.A.F.Y.	I	समाजशास्त्राचा अर्थ व व्याख्या - ① लुप्तप्रायशास्त्रानुसार अर्थ - ② वाड - ③ मॅकडायल्डर आणि फेरी -
B.A.F.Y.	I	④ मिक्सवर्ग - ⑤ गिडिंग - ⑥ किंवात संग -
B.A.T.Y.	X	i) मानवाचा विकास - ii) सामाजिक जीवनाचा शारीरिक अंशकां - iii) मानवाचे कल्याण - iv) मानवाचे वर्गीकरण - v) कारभारती संवेष्टाचा शोध -
B.A.T.Y.	XI	श्रृष्ट्याचार - प्रस्तावना - श्रृष्ट्याचाराचा अर्थ - व्याख्या -



## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 10-07-2019

Class	Paper No.	Topic and its Sub units to be taught
F.Y.	I	समाजशास्त्राच्या अभ्यासविषय - ① सामाजिक संबंधांच्या अभ्यास - ② सामाजिक माल्या अभ्यास - ③ सामाजिक प्रक्रिया -
F.Y.	IX	iii) मनोवैज्ञानिक चिंतन - iv) शैक्षणिक चिंतन - v) सामाजिक चिंतन -
F.Y.	X	सामाजिक संशोधनाची शृद्धिके - 1) वस्तुनिष्ठ अभ्यास - 2) सामाजिक निष्पक्ष - 3) कार्यकारण संबंध -
F.Y.	XI	अपत्यकाराची कारणे - ① स्वाधीन प्रवृत्तीचा विकार - ② सार्वजनिक अशिक्षा - ③ उच्च प्रतीचे जीवन पंगळाची अशिक्षा -
F.Y.	XII	प्रकल्प कार्य -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 11-07-2019.

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	ग्रामीण कुटुंब विघटनाची कारणे - ① नवजातिकांची विचारसरणीत वाढ - ② शिक्षणाच्या शिक्षणाची प्रसार - ③ कौटुंबिकरण -
B.A.T.Y.	IX	सामाजिक तत्त्वज्ञान ते समाजशास्त्र - संज्ञकण आवश्यक - वैयक्तिक विचारप्रवाह - i) बुद्धीवादी विचारप्रवाह - ii) कम्युनिस्टांची विचारप्रवाह -
B.A.T.Y.	X	4) प्रातिनिधीक समुह - 5) शासन मध्य अभिप्राय - 6) वैयक्तिक अभ्यासाची शक्यता -
B.A.T.Y.	XI	④ नैतिक अधःपतन - ⑤ राष्ट्रीय कार्ये - ⑥ वस्तुची मागणी आणि पुरवठ्यातील लफावत - ⑦ सार्वजनिक वागणारी मर्यादा -

Ashti Taluka Shikshan Prasarak Mandal's  
Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

Sociology

Date: 12-07-2019.

Paper No.	Topic and its Sub units to be taught
<u>V</u>	4) परंपराचा कोशरता प्रश्न - 5) व्यक्तिगत महत्त्वकांक्षा वाढ - 6) कुटुंब कृत्याचा दुष्प्रभाव - 7) परस्पर मतभेदांचा वाढ -
<u>IX</u>	iii) मानवव्यक्ति विचारप्रवाह - iv) जातिवाद विचारप्रवाह - समाजशास्त्राचा उदय - समाजशास्त्राचा शास्त्रीय विकासाचा स्वरूप -
<u>XII</u>	प्रकल्प कार्य -

Ashti Taluka Shikshan Prasarak Mandal's  
Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

Subject: Sociology

Date: 13-07-2019.

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	<u>V</u>	8) वाढती व्यक्तीकाधिकता - 9) स्थलांतराची वाढती प्रवृत्ती - 10) वाढत्या गरजा -
B.A.S.Y.	<u>V</u>	शास्त्रीय स्त्रीशास्त्रा कोशरताविषयक प्रश्नांचा जबाबदार घटक:- ① कुपोषण - ② अस्वच्छता - ③ शिक्षणाचा अभाव -
B.A.S.Y.	<u>V</u>	④ कोशरताविषयक सुविधांचा अभाव - ⑤. मातृशिक्षण नागणता - ⑥ मुलभूत सुविधांचा अभाव -
B.A.T.Y.	<u>XII</u>	प्रकल्प कार्य -



**DAILY TEACHING PLAN**

2019 - 2020

संज्ञा

Date: 15-07-2019

Paper No.	Topic and its Sub units to be taught
I	(4) सामाजिक संस्था - (5) सामाजिक नियम व सा. नियंत्रण - (6) सामाजिक समस्या -
IX	i) विकासाची पहिली अवस्था - ii) विकासाची दुसरी अवस्था - iii) विकासाची तिसरी अवस्था -
X	सामाजिक संशोधनाची प्रेरणा स्त्रोत - 1) कुलाचारसंबंधी विज्ञानाचा - 2) कार्यकारण संबंध पाहून घेण्याची इच्छा - 3) नवीन व अजपेक्षात परिस्थिती निमण होणे - 4) नवीन आव्हाने -
XI	(8) स्वयंसेवक समारंभाकडे कळ - (9) सामाजिक पुनिसंध - (10) नागरी लोकसंघाचा अभाव -
XII	प्रकल्प कार्य उपरोक्त -

**DAILY TEACHING PLAN**

2019 - 2020

Subject: Sociology

Date: 16-07-2019

Class	Paper No.	Topic and its Sub units to be taught
B.A.F.Y.	I	(7) समाज व पुरुषार्थ - (8) सामाजिक परिवर्तन - (9) सामाजिक नियंत्रण -
B.A.F.Y.	I	समाजशास्त्राची स्वतंत्रतासंबंधी वैशिष्ट्ये - 1) समाजशास्त्र हे सामाजिक शास्त्र आहे. 2) समाजशास्त्र हे शुद्ध शास्त्र आहे. 3) समाजशास्त्र कर्मूत शास्त्र आहे.
B.A.F.Y.	X	सामाजिक संशोधनाचे महत्त्व - (1) कर्मूत इर होत - (2) सामाजिक कर्मूतशास्त्राची संज्ञा - (3) सामाजिक प्रगतीचा संज्ञा - (4) सामाजिक नियंत्रणाचा संज्ञा -
B.A.F.Y.	XI	(11) कामदयातील पुरुषार्थ - (12) दया विवेक - (13) नातीसंबंध -

DAILY TEACHING PLAN

20 - 20

Subject: Sociology

Date: 17-07-2019

Class	Paper No.	Topic and its Sub units to be taught
F.Y.	I	4) समाजशास्त्र सामाजिकरण शास्त्र आहे. 5) समाजशास्त्र हे अनुभवनिष्ठ शास्त्र आहे. 6) वास्तविक शास्त्र आहे.
T.Y.	IX	प्रबोधन युग - प्राक्राफिक - प्रबोधनचा अर्थ -
T.Y.	X	5) सामाजिक नियंत्रणाचा अर्थ 6) सामाजिक शास्त्राच्या प्रतीकाचा अर्थ 7) तंत्राचा काळ विचारित करणे - 8) वैधानिक उपयोग -
F.Y.	XI	सूक्ष्मचार निर्मूलकासाठी उपाय - 1) प्राविंधात्मक उपाय - 2) दंडात्मक उपाय - 3) संवसाधन उपाय -
T.Y.	XII	प्रकल्प कार्य करणे.

DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 18-07-2019

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	ग्रामीण स्त्रीमांड्या शिक्षणविषयक समस्यांची कारणे - 1) स्त्रीमांड्या समाजातील पुत्रभ्रम यामुळे - 2) जाळविवाह - 3) मुलींच्या शिक्षणास दुजाभाव -
B.A.T.Y.	IX	- प्रबोधन युगाच्या गिर्जागिरी करणे - प्रबोधन युगाचे स्वरूप - 1) साहित्यात्मिक प्रबोधन - 11) कलात्मिक प्रबोधन - कारण संशोधकाचे गुण -
B.A.T.Y.	X	1) विषयाचे ज्ञान - 2) संशोधन पद्धतीचे ज्ञान - 3) संशोधनात जाकिर्गीत वकवी -
B.A.T.Y.	XI	पांडुरपेशीय गुण - प्रमाणात - पांडुरपेशीय गुणधर्माचा अर्थ - i) संदर्भ - 11) शासना - 111) नैतिक कार्य वेळी -



## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 19-07-2019

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	4) पारंपारिक दृष्टिकोन - 5) वास्तुकीच्या सुविधांचा अभाव - 6) नैसर्गिक संकटे - 7) आर्थिक प्रतिकूलता -
B.A.S.Y.	IX	iii) वैज्ञानिक प्रबोधन - iv) धार्मिक प्रबोधन -
B.A.S.Y.	XII	प्रकल्प कार्य स्वपरीक्षा -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 20-07-2019.

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	कौटुंबिक हिंसा - प्रस्तावना - कौटुंबिक हिंसा म्हणजे काय ?
B.A.S.Y.	V	कौटुंबिक हिंसाचारचे स्वरूप - 1) शारीरिक छळ - 2) लैंगिक अत्याचार - 3) तोंडी आणि आर्थिक अत्याचार - 4) आर्थिक अत्याचार -
B.A.S.Y.	V	ग्रामीण समाजातील कौटुंबिक हिंसाचारची कारणे - (1) किंगडोमियन अस्मानता - (2) पारंपारिक दृष्टिकोन - (3) अधिकारांच्या जाणीवांचा अभाव -
B.A.S.Y.	XII	प्रकल्प कार्य स्वपरीक्षा -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 22-07-2019

Class	Paper No.	Topic and its Sub units to be taught
F.Y.	I	7) समाजशास्त्र हे सामाज्य शास्त्र आहे. 8) वस्तुनिष्ठ शास्त्र आहे. 9) स्वतंत्र अन्वेषण उद्देशाने.
T.Y.	IX	पुनोद्योग युगाचा सामाजिक परिणाम - i) मध्ययुगाचा उत्पन्न - ii) धर्मशास्त्राचा पंगडा रद्द होणे. iii) लक्ष्मिण्य व बुद्धिवादी दृष्टिकोनाची उदयती.
T.Y.	X	4) निष्पक्षता - 5) अनुभव - 6) कर्तव्यसंबंधी निष्पक्षता - 7) कल्पकता 8) चिकाटी -
T.Y.	XI	पांढरपेशीय गुणधर्मांची वैशिष्ट्ये - 1) उच्च आर्थिक स्तर आणि प्रतिष्ठे - 2) स्वातंत्र्याचा गुणधर्म समाज गादीत. 3) स्वातंत्र्याचा कार्यवाहीवर वरचढ मानणारा.
T.Y.	XII	प्रथम कार्य स्वरूप -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 23-07-2019.

Class	Paper No.	Topic and its Sub units to be taught
B.A.F.Y.	I	समाजशास्त्राचा विकास A) प्राक्सधील समाजशास्त्राचा विकास - अ) इमील डरब्येन - B) इंग्लंडमधील समाजशास्त्राचा विकास - अ) हर्बर्ट स्पेन्सर - C) फ्रान्समधील समाजशास्त्राचा विकास - अ) जॉर्ज रिबो - व) मॅक्स वेबर -
B.A.F.Y.	II	सामाजिक संशोधनात वस्तुनिष्ठतेची समस्या - - प्रभावना - - वस्तुनिष्ठतेचा अर्थ - - वस्तुनिष्ठतेची व्याख्या -
B.A.T.Y.	XI	पांढरपेशीय गुणधर्मांची कार्ये - 1) संपत्ती प्राप्त करणाऱ्या महत्त्वाकांक्षी - 2) आर्थिक विकासाची आवड - 3) स्वातंत्र्याची संपत्तीवर निर्बंधनात आणणे - 4) दोषयुक्त निष्पक्ष प्रक्रिया -



## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 24-07-2019

Class	Paper No.	Topic and its Sub units to be taught
B.A.	I	iv) अमेरिकी लोक समाजशास्त्राचा विकास - 1) वाड - 2) पारसनस - 3) मरन -
B.A.	IX	iv) संशोधन व वैज्ञानिक प्रगती - v) आधुनिक शाखांचा विकास - vi) सामाजिक, सांस्कृतिक परिवर्तन -
B.A.	X	वस्तुनिष्ठतेची आवश्यकता - i) सत्य व यथार्थ ज्ञान प्राप्त करणे - ii) मानवी, वस्तुकीर्ती सुबोधित - iii) शास्त्रांना विज्ञानाच्या योग्यता प्राप्त करणे -
B.A.	XI	5) तीव्र स्पर्धा - 6) सामाजिक विध्वंस - 7) कायद्यातील पळवाडी - 8) सामाजिक जाणिवेचा अभाव -
B.A.	XII	प्रकल्प कार्य स्वरूपात -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 25-07-2019

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y	V	4) शिक्षणाचे कार्य प्रगती - 5) अवलंबित्व - 6) हुंडा पध्दती -
B.A.T.Y.	IX	vii) व्यापकवाद व वसाहतवादाचा उदय - viii) वैचारिक परिवर्तन - ix) मानवतावादाचा विकास - x) आधुनिक युग, फांतीपवादाचा प्रारंभ -
B.A.T.Y.	X	iv) निःपक्षपाती निष्कर्ष काढणे - v) सामाजिक चरित्रांमधील सामाजिक ज्ञान प्राप्त करणे - vi) तथ्य संकलित करणे -
B.A.T.Y.	XI	आत्महत्या प्रकल्पना - आत्महत्याचे अर्थ - आत्महत्याची वैशिष्ट्ये -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 26-07-2019

Class	Paper No.	Topic and its Sub units to be taught
A.S.Y.	V	हुंडा समस्या - - प्रकल्पना - - हुंडा पध्दतीची ऐतिहासिक पार्श्वभूमी -
B.T.Y.	IX	फ्रेंच राज्यक्रांती - प्रास्ताविक - - समाजातील लीज व ग्रांतील संबंध - - बुद्धीजीवी लोकशाहीत कार्यतोष - - राजा व क्रांतीकाऱ्यातील संबंध -
B.T.Y.	XII	प्रकल्प कार्य रचनेबाबत -

## DAILY TEACHING PLAN

2019 - 2020

Subject: Sociology

Date: 27-07-2019

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	हुंड्यांचा अर्थ - i) मॅक्स वेबर - ii) वेबर - iii) 1961 चा हुंडा विरोधी कायदा -
B.A.S.Y.	V	हुंड्याची कारणे - 1) परंपरा - 2) अंतर्विवाहाचा नियम - 3) सामाजिक प्रतिष्ठे - 4) शरपाईचे नातू - 5) मुलीच्या संस्कारास धाडणार - 6) मुलीची कुरवणी - 7) स्थिती -
B.A.T.Y.	XII	प्रकल्प कार्य रचनेबाबत -



**DAILY TEACHING PLAN**

20 19 - 20 20

Sociology.

Date: 31-07-2019

Paper No.	Topic and its Sub units to be taught
I	E) जपानमध्ये समाजशास्त्राचा विकास - F) आरनामध्ये समाजशास्त्राचा विकास -
IX	<u>बौद्धिक क्रांती</u> प्रस्तावना - बौद्धिक क्रांतीचा अर्थ - बौद्धिक क्रांतीचा इतिहास व नवे शोध - बौद्धिक क्रांतीचा आर्थिक जीवनावरील परिणाम - वस्तुनिष्ठ दृष्टिकोनातील समस्या - 1) आवनात्मक दृष्टिचा प्रभाव - 2) नैतिक प्रभाव -
XI	<u>आत्मदल्लेची कारणे</u> - ① लक्षणीय कारणे - ④ भौतिक कारणे - ② कौटुंबिक कारणे - ⑤ आर्थिक कारणे - ③ सामाजिक कारणे -
XII	प्रकल्प कार्य स्वरूपा

**DAILY TEACHING PLAN**

20 19 - 20 20

Subject: Sociology.

Date: 01-08-2019.

Class	Paper No.	Topic and its Sub units to be taught
B.A.S.Y.	V	Unit-2: <u>Education and Health</u> सामाजिक शैक्षणिक विज्ञान - प्रस्तावना - कौटुंबिक विज्ञान म्हणजे काय?
B.A.T.Y.	IX	Unit-2 <u>The Pioneers</u> प्रस्तावना - अ) आंगरज कार्य:- 1) प्रस्तावना 2) आंगरज कार्याची निवडणिका.
B.A.T.Y.	X	Unit-2: <u>Types of Research:-</u> प्रस्तावना - सामाजिक शोध म्हणजे काय?
B.A.T.Y.	XI	प्रकल्प कार्य.

# Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

2019 - 2020

Sem - I

✓  
THEORY / PRACTICAL'S

B.Sc. I<sup>st</sup> year (theory)

Month	Class & Paper No.	Syllabus Assigned
		<u>unit-I . General structure of cell</u>
July	B.Sc. I <sup>st</sup>	- structure of prokaryotic cell.
2019	Paper NO.	- ultrastructure of Eukaryotic cell
	II	- cell cycle, mitosis, meiosis
		<u>unit-II organization of cell</u>
		A] study of various cell-organelles
		- plasma-membrane- stru. & function
Aug.	Cell Biology	- Endoplasmic Reticulum- stru. & function
2019		- Golgi Bodies - structure & function
		- Mitochondria - Morphology, ultrastructure
		function & Biogenesis
		- Nucleus - structure & function
		- DNA structure
		- Types of RNA
		- Lysosome - structure, function &
		Polymorphism
		- Ribosome - types, stru & function



**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S**

Class & Paper No.	Syllabus Assigned
B]	<u>Cytology of cancer</u> - - Types of cancer - Treatment of cancer
B]	<u>Methods in Cell Biology</u>
A]	light microscope - Phase contrast microscope - Electron microscope
B]	Microtechnique (Microtomy) - fixation & staining - Types of staining

**ANNUAL TEACHING PLAN**

2019 - 2020

B.Sc II<sup>nd</sup> year

**THEORY / PRACTICAL'S**

Month	Class & Paper No.	Syllabus Assigned
	B.Sc II <sup>nd</sup> year	unit-I
	Paper NO.	<u>Gene &amp; its Expression</u>
July 2019	VIII	- Definition, concept & function of gene - Transcription of gene- initiation, Elongation and termination - Genetic code- concept of codon, properties of genetic code - Translation of gene- initiation, Elongation
	<u>Genetics - II</u>	unit-II
		<u>Population Genetics</u>
		- Gene pool, Gene frequency - Hardy-Weinberg principle - Application of Hardy-Weinberg
		unit-III
		<u>Human Genetics</u>
		- Human chromosome - sex-chromosome - X & Y chromosome - Dizygotic & Monozygotic Twins

**ANNUAL TEACHING PLAN**

2019 - 2020

THEORY / PRACTICAL'S

Class & Paper No.	Syllabus Assigned
	- inborn errors in Metabolism PKU, Albinism
<u>III</u>	- Genetic disorder - down syndrome, Turner syndrome
	- use of Human Genetics in medical
	- unit-IV
	<u>Microbial Genetics</u>
	- Transformation -
	- conjugation, transduction.
	unit-V
	<u>Genetic Engineering</u>
	introduction - defn, concept
	- Restriction Endonuclease - concept & type
	- cloning vector - plasmid, cosmid, phasmid
	- Application of r-DNA technology

**ANNUAL TEACHING PLAN**

20 - 20

B.Sc. III<sup>rd</sup> year (Theory)

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
		unit-I
	B.Sc. III <sup>rd</sup> Paper No.	- Introduction, Definition, basic concept in Ecology
	<u>XV</u>	- Abiotic Environmental factor
		- Temperature - concept, effect of temp on Animals, Thermal Adaptation.
		unit-II
	<u>Ecology</u>	Abiotic Environmental factor
		- Light - concept, light variation in different Environment, effect of light on Animal.
		- Adaptation of salinity & moisture.
		unit-III
		Biotic Environmental factor
		- Competition - Definition, types.
		- Predation - defn, character
		- Mutualism - defn, character & Examples



**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S**

Class & Paper No.	Syllabus Assigned
	- Parasitism - def <sup>n</sup> , types & Example
	<u>Unit-IV</u> <u>Population</u>
<u>IV</u>	- Definition & Basic concept
	- character of Population
	- density, Natality, mortality
	- population growth, population Regu <sup>l</sup>
	<u>Unit-V</u>
	<u>Community</u>
	- Defn concept & type.
	- structure of community producer, consumer, decomposer.
	- character Ecological Niche diversity
	Abundance, dominance, Ecological Edge effect
	<u>Unit-V</u> <u>Ecosystem</u>
	- Defn, concept & types
	- Component of Ecosystem.

**ANNUAL TEACHING PLAN**

2019 - 2020

Practical's

**THEORY / PRACTICAL'S**

Month	Class & Paper No.	Syllabus Assigned
		<u>B.Sc.I<sup>st</sup></u> (Practical)
	B.Sc-I 1	study of cell organelles (model, chart)
	Paper 2	squash prepar <sup>n</sup> of onion root tip by mitosis
	NO. 3	prepar <sup>n</sup> of Polytene chromosome in fruit fly
	III 4	microtechnique - fixation, dehydration block preparation, staining of rat tissue
	(Practical) 5	study of microscopy - simple, compound, phase contrast microscope.
		<del>XO</del> <del>XO</del>
		<u>B.Sc.II<sup>nd</sup> year</u> (Practicals)
	1	prepar <sup>n</sup> of DNA model & study of DNA
	B.Sc.II 2	study of protein synthesis
	Paper NO. 3	Estimation of DNA from Animal tissue
	4	study of prepar <sup>n</sup> of Normal karyot <sup>r</sup>
	(Practical) 5	study of down syndrome, Turner syndrome, Klinefelter's syndrome
	6	detection of Barr body from epithelium cell.
	7	Probleme based on sex-linked disease.
	8	Probleme based on Hardy-Weinberg Law



# Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

2019 - 2020

Practicals

THEORY / PRACTICAL'S

Class & Paper No.	Syllabus Assigned
	<u>B.Sc. III<sup>rd</sup> year (Practicals)</u>
I] Practical	Estim <sup>n</sup> of productivity of pond Ecosystem using white & dark bottle.
II] Paper No.	Determination of following Parameters of soil - PH, clarity, Alkalinity, salinity
III] III	Analysis of CO <sub>2</sub> , salinity, chlorinity of the study of Associationship with Example - Competition, Mutualism, parasitism
Practical)	Predation & commensalism
5]	Estimation of Population density by Quadrate method on field by simulation method.
6]	Preparation of P. slide of - Spirogyra, Verticella, Volvox, Cyclops, Mysis, Cypripis, Keratula
7]	Project-Report- Water Ecosystem.

# Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

20 - 20

B.Sc. I<sup>st</sup> year (Theory)

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
		<u>Genetics-I</u>
	<u>B.Sc. I</u>	1] Element of heredity & variation
	Paper No.	- def <sup>n</sup> of genetics & variation
	<u>IV</u>	- Mendel's Law of heredity in shoot
		2] Gene interaction.
	<u>Genetics-I</u>	- definition - modification ratio
		- Epistasis
		- supplementary gene, complementary gene.
		3] Multiple Alleles -
		- coat color in rabbit
		- ABO blood group in man, Rh factor
		4] cytoplasmic inheritance -
		- def <sup>n</sup> of Maternal effect
		- Male sterility, CO <sub>2</sub> sensitivity



# Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

2019 - 2020

### THEORY / PRACTICAL'S

Class & Paper No.	Syllabus Assigned
	5] sex determination
	- chromosome theory in sex-determination
	- Genetic balance, Theory of sex determination
	- X/A ratio in drosophila
	6] Mutation
	- Brief introduction
	- Gene mutation, defin <sup>n</sup> & classifi <sup>n</sup>
	- chromosomal Aberration
	- spontaneous & induced mutation

# Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

20 - - 20

B.sc. II<sup>nd</sup> year (Theory)

### THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
		* A] <u>Biochemistry</u>
		1] <u>Enzyme</u> -
	B.sc. II <sup>nd</sup> Paper No.	- Defn, concept & nomenclature
		- Properties, classification, Mechanism of Enzyme
		- Factor affecting on Enzyme action.
		2] <u>carbohydrates</u> -
		- Defn, classifi <sup>n</sup> , Mono, dia, oligo, polysaccharide
		- Metabolism - Glucogenesis, Glycolysis
		TCA and oxidative Phosphorylation.
		3] <u>Protein</u> -
		- defn, classification simple, conjugate and derived protein
		- structure of protein - Primary structure
		secondary & tertiary structure.
		- Metabolism -
		Deamination & transamination

Biochemistry & Endocrinology

**ANNUAL TEACHING PLAN**

20 - 20

**THEORY / PRACTICAL'S**

Class & Paper No.	Syllabus Assigned
4	<u>Lipid</u> - Defin <sup>n</sup> , classif <sup>n</sup> simple, compound lipids - Metabolism - $\beta$ -oxidation & cholesterol
5	<u>vitamine</u> - source & deficiency * PART - B <u>Endocrinology</u>
1	<u>Endocrine system of vertebrate</u> - Introduction definition of Endocrine, paracrine & Autocrine system
2	<u>Pituitary gland</u> - Morphology, Histology & their function
3	<u>Thyroid gland</u> - Morphology, Histology Hormone & function
4	<u>Adrenal gland</u> - Morphology, Histology Hormone & function
5	<u>Pancreas</u> - Histology, Morphology Hormone & function

**ANNUAL TEACHING PLAN**

20 - 20

B.Sc. III<sup>rd</sup> year

**THEORY / PRACTICAL'S**

Month	Class & Paper No.	Syllabus Assigned
		<u>Evolution</u>
	B.Sc. III <sup>rd</sup>	<u>unit-I</u>
	Paper No.	concept of organic Evolution
	<u>XIX</u>	- definition and concept
		- Theories of organic Evolution in brief, Preformation theory, Bears law, Biogenetic Law, Catastrophism, Lamarckism, Darwinism & Germplasm theory.
		<u>unit-II</u>
		<u>origin of life</u>
		- Definition, Abiogenesis, Biogenesis
		- Chemical Evolution of life.
		<u>unit-III</u>
		<u>Evidence of organic Evolution</u>
		- Anatomical Evidence.
		- embryological Evidence.



**Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**ANNUAL TEACHING PLAN**

2019 - 2020

**PRACTICAL'S**

Class & Paper No.	Syllabus Assigned
	<u>unit - IV</u> <u>Darwinism</u>
	- introduction <u>Natural selection</u> the
	- Artificial selection theory &
<u>IX</u>	sexual selection theory.
	<u>Unit V</u>
	<u>Elemental force of Evolution</u>
	- Mutation - concept & role in Evolution
	- Recombination - concept & role in Evoln
	- Natural selection - concept &
	role in Evolution
	- isolation - concept & role in Evoln
	- Genetic drift - concept & role
	in Evolution.
	<u>unit - VI</u> <u>Basic Batteries of Evoln</u>
	- sequential and divergent Evolution
	- Micro evolution - concept
	silent.

**Arts, Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S**

Month	Class & Paper No.	Syllabus Assigned
		Macroevolution - concept & silent
		feature and Macchanism with Example
		<u>unit - VII</u>
		<u>species &amp; speciation</u>
	<u>XIX</u>	- species - Morphological concept.
		Genetic concept, Biological concept
		- speciation -
		definition, Concept, macchanism of
		speciation
		- Allopatric, sympatric & parapatric
		<u>unit - VIII</u>
		<u>Fossil</u>
		- definition, fossil formation
		- Types of fossil



# Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## ANNUAL TEACHING PLAN

2019 - 2020

Practicals

ACTICAL'S

Class & Paper No.	Syllabus Assigned
	<u>B.Sc. I<sup>st</sup> practical</u>
1] <u>per</u> <u>0. VI</u>	Culture of Drosophila - observation of mutant Drosophila
2]	Determination of Blood group A, B, AB, O with Rh factor.
3]	Major problems & minor problem in genetics.
	<u>no</u> <u>no</u>
	<u>B.Sc. II<sup>nd</sup> practical</u>
<u>per</u> <u>0. IV</u>	1] Preparation of solutions of percentage, normality, molarity
2]	Study of Analysis instrument Principle Application.
	1] PH meter, 2] centrifuge

# Arts, Commerce and Science College, Ashti

Tal. Ashti, Dist. Beed

## DAILY TEACHING PLAN

2019 - 2020

Subject:

Date:

Class	Paper No.	Topic and its Sub units to be taught
		<u>Practical</u>
		3] colorimeter, 4] Electrophoresis
<u>per</u> <u>NO.</u> <u>XIV</u>	3]	factor affecting on Enzyme (temp, pH, sub. conc.)
	4]	determination of Amino acid by paper chromatography
	5]	Qualitative test for organic compound. 1] carbohydrate, 2] protein, 3] fat.
	6]	Qualitative estimation of protein from Animal tissue by Lowry's methods.
	7]	study of P. slide (Histology)
		1] T.S. of pituitary gland 2] T.S. of Thyroid gland
		3] T.S. of Adrenal gland 4] T.S. of islets of Langerhans
		5] T.S. of testis 6] T.S. of ovary
		<u>no</u> <u>no</u>
		<u>B.Sc. III<sup>rd</sup> practical</u>
	<u>XXI</u>	1] embryological Evidence of Evolution
	2]	Adaptive modification in feet of Bird & mouth part of insect





**Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

Date: 02/07/2019

ology

Paper No.	Topic and its Sub units to be taught
XV	Ecology - introduction to paper NO-XV Ecology
VII	Genetics-II - introduction to syllabus

**Arts, Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

Date: 03/07/2019

Subject: Zoology

Class	Paper No.	Topic and its Sub units to be taught
BSC.III (Th)	XV	Ecology - introduction, definition of Ecology - Types of Ecosystem - Natural Ecosystem - Example
BSC.II (Th)	VII	Genetics-II - Genetics - introduction & basic concept of Genetics



**DAILY TEACHING PLAN**

2019 - 2020

Date: 04/07/19

oology

Paper No.	Topic and its Sub units to be taught
XV	Ecology - Ecosystem - component of Ecosystem a) Abiotic components b) biotic components
VII	Genetics-II unit-1 Gene & its Expression - definition, concept & functions of gene

**DAILY TEACHING PLAN**

2019 - 2020

Date: 05/07/2019

Subject: Zoology

Class	Paper No.	Topic and its Sub units to be taught
B.Sc.III (Th)	XV	Ecology - Abiotic Environmental factor in Ecosystem - Temp, PH, rainfall, topology, soil, water, mineral e.t.c.
B.Sc.II (Th)	VII	Genetics-II Gene & its Expression - - definition, concept & function of gene
B.Sc.I (Th)	II	Introduction to BSC. - Paper NO, Theory & Practical - Pattern of Theory paper - Marking criteria

**DAILY TEACHING PLAN**

20 19 - 2020

oology

Date: 06/07/19

Paper No.	Topic and its Sub units to be taught
XV	Ecology - Abiotic Environmental factor 1] Temperature - concept, effect of temp. on Animals - effect of temp on plants
VIII	Unit-1 Gene & its Expression - * Transcription of gene - introduction & definition of transcript

**DAILY TEACHING PLAN**

20 19 - 2020

Subject: Zoology

Date: 08/07/19

Class	Paper No.	Topic and its Sub units to be taught
BSC-III	XV	Ecology - Abiotic Environmental factor * temperature - - Concept, effect of temp on plants. - Thermal Adaptation
BSC-II (Th)	VIII	Genetics-II Unit-1 Gene & its Expression - * Transcription of gene - - Process, Initiation, elongation
BSC-I (Th)	II	Cell-Biology - Introduction to syllabus



**DAILY TEACHING PLAN**

2019 - 2020

Subject: Zoology

Date: 09/07/19

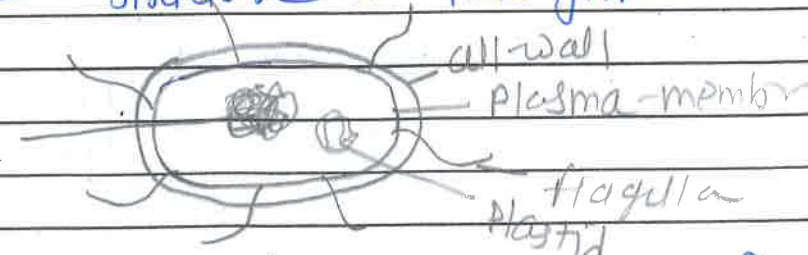
Class	Paper No.	Topic and its Sub units to be taught
III	XV	Ecology - Thermal Adaptation in Animals - Thermal Adaptation in Plant
II	VII	Genetics-II - unit-I Gene & its Expression - transcription of gene * initiation, elongation * Enzyme involve in transcription
I	II	cell-Biology - General structure of cell - types of cell

**DAILY TEACHING PLAN**

2019 - 2020

Subject: Zoology

Date: 10/07/19

Class	Paper No.	Topic and its Sub units to be taught
BSC.III	XV	Ecology * Abiotic Environmental factor 2] Light - concept, light variation in different Environment.
BSC.II	VIII	Genetics-II Genetic code - concept, properties of genetic code
BSC.I	II	cell-biology - structure of prokaryotic cell. 

**DAILY TEACHING PLAN**

2019 - 2020

Date: 11/07/19

Paper No.	Topic and its Sub units to be taught
XV	Ecology - Abiotic Environmental factors * light - effect of light on Animal
XVII	Genetics - II Genetic code - discovery introduction - properties of genetic code
II	cell-biology - structure of prokaryotic cell. - function of 1) cell-wall 2) glycocalyx capsule 3) plasma-membrane

**DAILY TEACHING PLAN**

2019 - 2020

Date: 12/07/19

Subject: Zoology

Class	Paper No.	Topic and its Sub units to be taught
BSC III (Theory)	XV	Ecology - Abiotic Environmental factors * light - - effect of light on plants - effect of light on Animals.
BSC II (Th)	VII	Genetics - II - Genetic code - - properties of genetic code - structure of RNA polymerase.
BSC I (Th)	II	cell-biology - structure of prokaryotic cell. * structure & functions 1) flagella - arrangement rings of flagella.



**DAILY TEACHING PLAN**

2019 - 2020

Date: 13/07/19

Ecology

Paper No.	Topic and its Sub units to be taught
<del>VII</del>	<del>Ecology</del> - Revision on unit I. - Discussion on questions
VII	Genetics-II * Translation of gene - - introduction - Initiation, Elongation, termination
II	cell-biology - flagella - - rings of flagella, P, L, MN rings - Types of flagellar Arrangement

**DAILY TEACHING PLAN**

2019 - 2020

Date: 15/07/19

Subject:

Class	Paper No.	Topic and its Sub units to be taught
B.Sc III (Th)	XV	Ecology - Adaptation of salinity & moisture -
B.Sc II (Th)	VIII	Genetics-II * Translation of gene - - process, initiation, Elongation, termination - role of ribosome in translation - structure of t-RNA
B.Sc I	II	cell-Biology - prokaryotic cell-structure. Pillia - structure & function of

**DAILY TEACHING PLAN**

2019 - 2020

Date: 16/07/19

Ecology

Paper No.	Topic and its Sub units to be taught
XV	Ecology - Unit II - Adaptation of salinity - Adaptation of moisture
VIII	Genetics - II - Regulation of Expression of gene - 'operon' concept - Isoenzyme
II	Cell-Biology - General structure of Eukaryotic cell.

**DAILY TEACHING PLAN**

2019 - 2020

subject: Zoology

ICT teaching

Date: 17/07/19

ICT

Class	Paper No.	Topic and its Sub units to be taught
B.Sc. II	VIII	Genetics - II * Transcription - - Initiation - Elongation - Termination - str. of RNA polymerase
B.Sc. I	II	Cell-Biology - structure of prokaryotic cell - structure of eukaryotic cell
B.Sc. III	XV	Ecology - Abiotic components in Ecosystem

Animated Video

P.P.T.

P.P.T.



**DAILY TEACHING PLAN**

2019 - 2020

Date: 18/07/19

Ecology

Paper No.	Topic and its Sub units to be taught
XV	Ecology unit-III biotic component in Ecology - producers - consumer - decomposer
VII	Genetics-II unit-II population genetics - introduction of population
II	cell-Biology - cell-cycle introduction to cell-cycle.

**DAILY TEACHING PLAN**

2019 - 2020

Date: 19/07/19

Subject: Zoology

Class	Paper No.	Topic and its Sub units to be taught
B.Sc. II	VII	Genetics-II * Population Genetics - Gene pool - Gene frequency
B.Sc. I	II	cell-Biology * cell-cycle - phase of cell-cycle ] introduction - G <sub>1</sub> , S, G <sub>2</sub> M phase.]

**DAILY TEACHING PLAN**

2019 - 2020

Zoology

Date: 20/07/19

Paper No.	Topic and its Sub units to be taught
XV	Ecology Unit - III Biotic Environmental factor * competition - - Definition - Introduction - Example of competition
VII	Genetics - II * Population Genetics - Gene pool - Gene frequency
II	Cell - Biology - Cell cycle * Mitosis - phase of Mitosis - Introduction

**DAILY TEACHING PLAN**

2019 - 2020

Subject: Zoology

Date: 22/07/19

Class	Paper No.	Topic and its Sub units to be taught
B.Sc III (Th)	XIV	Ecology Unit - III Biotic Environmental factor * competition - Examples * predation - definition, character Example (+, -)
B.Sc II (Th)	VII	Genetics - II * Population Genetics Hardy Weinberg principle - equation of H.W. Rule $p^2 + 2pq + q^2 = 1$
B.Sc I (Th)	II	Cell - biology - cell cycle * Mitosis - Prophase, Metaphase, Anaphase, Telophase



**DAILY TEACHING PLAN**

2019 - 2020

Date: 24/07/19

Zoology

Paper No.	Topic and its Sub units to be taught
XIV	Ecology * Biotic component in Ecosystem - predation (+, -) interaction - Example
VIII	Genetics-II * Population genetics - Hardy-Weinberg principle
II	cell-biology Mitosis - - Prophase, metaphase, Anaphase, Telophase, cytokinesis

**DAILY TEACHING PLAN**

2019 - 2020

Date: 25/07/19

Subject: Zoology

Class	Paper No.	Topic and its Sub units to be taught
B.Sc. III	XIV	Ecology * Biotic component in Ecosystem - Mutualism - concept + + interaction - Example -
B.Sc. II	VII	Genetics-II * Population Genetics Hardy-Weinberg principle - - problem based on Hardy Weinberg
B.Sc. I	II	cell-biology - cell-cycle * Meiosis - introduction, concept - Meiosis-I & Meiosis-II

**DAILY TEACHING PLAN**

2019 - 2020

Date: 27/07/19

oology

Paper No.	Topic and its Sub units to be taught
XIX	<p><u>Ecology</u></p> <p>* Mutualism -                      - (+, + interaction)                      - Example of mutualism</p> <p>1) Lichen, :- Algae - fungus                      2) Rumen microbe - bacteria - animal                      3) Rhizobium legume plant .etc.</p>
VII	<p><u>Genetics - II</u></p> <p>- Hardy - Weinberg principle                      - Applications</p>
II	<p><u>Cell - Biology</u></p> <p>- Meiosis -                      - steps in Meiosis</p>

**DAILY TEACHING PLAN**

2019 - 2020

Date: 29/07/19

Subject: Zoology

Class	Paper No.	Topic and its Sub units to be taught
B.Sc III (Th)	XIV	<p><u>Ecology</u></p> <p>* Biotic component in Ecosystem                      - parasitism - introduction                      (+, -) interaction, definition                      - Example of parasitism</p>
B.Sc II	VIII	<p><u>Genetics - II</u></p> <p>* - population Genetics                      - Revision on unit II</p>
B.Sc I (Th)	II	<p><u>cell - biology</u></p> <p>* Meiosis &amp; mitosis                      - difference betn mitosis &amp; meiosis</p>



Test, seminars, group discussion

Ashti Taluka Shikshan Prasarak Mandal's  
**Arts, Commerce and Science College, Ashti**  
 Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

Date: 30/07/19

zoology

Paper No.	Topic and its Sub units to be taught
XV	<u>Ecology</u> <u>Unit Test - I</u>
VIII	Genetics - II * Group discussion on - DNA & RNA.
II	Cell - Biology - student seminar

ICT Teaching

Ashti Taluka Shikshan Prasarak Mandal's  
**Arts, Commerce and Science College, Ashti**  
 Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

(ICT)

Date: 31/07/19

subject: zoology

Class	Paper No.	Topic and its Sub units to be taught
B.Sc. III ICT	XV	Ecology - interaction of Biotic component 1) Mutualism (+, +) 2) commensalism (+, 0) 3) Parasitism (+, -) P.P.T Method.
B.Sc. II (ICT)	VIII	Genetics - II - Translation of gene - Role of 1) Ribosome, 2) t-RNA in Translation Animated video Method.
B.Sc. I ICT	II	Cell - Biology - Mitosis Meiosis Animated video

Ashti Taluka Shikshan Prasarak Mandal's  
**Arts, Commerce and Science College, Ashti**  
 Tal. Ashti, Dist. Beed

**ANNUAL TEACHING PLAN**

20 19 - 20 20

**THEORY / PRACTICAL'S**

Month	Class & Paper No.	Syllabus Assigned
		Ch. 1. Thermal conductivity
July 2019	B.Sc-I p-	transfer of heat coefficient of thermal conductivity, Rectilinear flow of heat along a metal bar method of radial flow of heat (i) spherical cell method and (ii) flow of heat along the wall of a cylindrical tube, Comparison of conductivities of different methods.
		Ch. 2. Real gases and transport phenomena
Aug 2019	B.Sc-I p-	* Real gases - Introduction, Reason for modification of gas eq <sup>n</sup> , van der Waals eq <sup>n</sup> of state, Comparison with experimental curve, critical constant of van der Waals eq <sup>n</sup> .
		* Transport phenomenon - Introduction,



**ANNUAL TEACHING PLAN**

2019 - 2020

L'S

Sl. No.	Syllabus Assigned
	mean free path, variation of mean free path with temperature and pressure, Transport phenomenon viscosity, thermal conductivity their interrelationship dependence on temp. and pressure.
I	Ch. 3. Thermodynamics.
	Adiabatic process, Adiabatic Eq <sup>n</sup> of a perfect gas, Isothermal process, Indicator diagram, work done during isothermal process, Indicator diagram Adiabatic process, reversible and irreversible process, Second law of thermodynamics Kelvin and Celsius statement, heat engine Carnot ideal heat engines, Carnot's cycle (work done and efficiency)

**ANNUAL TEACHING PLAN**

2019 - 2020

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
Sept 2019	B.S.C-I Sem. - II	Ch 4. Entropy and Thermodynamics Relation - General relation of entropy, change of entropy is independent of path, change of entropy in reversible and irreversible process. Formulation of Second law in terms of entropy, Maxwell thermodynamical Relation, Application of Maxwell Relation ① Clausius - Degeron Eq <sup>n</sup> ② T-ds equations
June 2019	B.S.C-II Sem. - III p - VIII	Ch. 1. Photoelectric Effect Introduction, Lanard's method to determine $\epsilon/m$ for photoelectron Richardson and Compton experiment Relation between photoelectric current and retarding potential, Relation between the velocity of photoelectrons and frequency of light, photoelectric cells







Ashti Taluka Shikshan Prasarak Mandal's  
**Arts, Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**ANNUAL TEACHING PLAN**

2019 - 2020

S.L'S

S.No.	Syllabus Assigned
III	CH.1. Electrostatics
VI	Introduction, electric field lines, electric flux, and Gauss law the divergence of curl of E. application of Gauss law. i) electric field due to uniform charged sphere. ii) electric field due to charged cylinder Gaussian pillbox. Poissons Equation, Laplace Eq <sup>n</sup> uniqueness th <sup>m</sup> (I and II)
III	CH.2. Time Varying field
XVI	- Faradays law of electromagnetic induction, Lenz law, self induction Mutual Induction, Equation of

Ashti Taluka Shikshan Prasarak Mandal's

**Arts, Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**ANNUAL TEACHING PLAN**

2019 - 2020

**THEORY / PRACTICAL'S**

Month	Class & Paper No.	Syllabus Assigned
		continuity, maxwell displacement current, maxwell equation, Derivation, differential form)
Aug 2019	B.Sc.-III P-XVI	CH.3. Electromagnetic waves. - origin of electromagnetic waves, characteristics of electromagnetic waves, electromagnetic wave eq <sup>n</sup> in a conducting medium, transverse nature of electromagnetic wave, plane polarised electromagnetic wave, the Poynting vector, Poynting theorem, polarisation of electromagnetic wave.



**ANNUAL TEACHING PLAN**

2019 - 2020

AL'S

No.	Syllabus Assigned
-III	Ch. 4. Interaction of electromagnetic wave with matter.
VI	Boundary condition for electromagnetic field vector $B$ , $E$ , $D$ , and $H$ at the interface between the two media, reflection and refraction at the boundary of two non-conducting media.
I	Ch. 1. Vector Algebra
-V	Dot and cross product (Revision) scalar triple product and its geometrical interpretation, vector triple product, gradient of a scalar product and its physical interpretation, divergence & curl of vector function and their physical interpretation line, surface and

**ANNUAL TEACHING PLAN**

2019 - 2020

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
		Volume integral, Gauss divergence theorem and Stokes theorem.
Nov 2019	B.Sc-I P-I	Ch. 2. Electrostatics.
		Coulombs law, electrical field, field due to pt. charges, flux of electric field, Gauss law, Differential form of Gauss law, electrical potential due to the pt. charges, potential and field due to the electric dipole, Dielectric polarization of dielectric, Gauss law in dielectric and Relation between $B$ , $E$ and $P$ .
Jan 2020	B.Sc-I P-II	Ch. 5. Magnetostatics.
		magnetic field, magnetic Induction, magnetic flux, Biot-Savart law,



**ANNUAL TEACHING PLAN**

2019 - 2020

AL'S

Month & No.	Syllabus Assigned
	magnetic induction due to straight conductor, carrying current, magnetic induction on the axis of solenoid ampere's law, Differential form of ampere's law, moving coil Ballistic galvanometer, Expression for charge
-I	Ch. 4. Transient circuit
T	- Growth and decay of current in a circuit containing L and R charge and discharge of a capacitor through resistor, growth and decay of charge in LCR circuit.

**ANNUAL TEACHING PLAN**

2019 - 2020

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
Oct 2019	B.Sc.-II P-XII	Ch. 1. crystal structure - Introduction, crystal lattice, plane space lattice, translation vector unit cell primitive, non-primitive weigner-sitz primitive cell, Basis, symmetry operators point group and space groups, types of lattices, two dimensional and three dimensional lattice, lattice direction and planes miller indices, Interplaner spacing simple crystal structure.
Dec 2019	B.Sc.-II P-XII	Ch. 2. Bonding and Band theory of solids. - Introduction, concept of interactive forces, cohesive energy and types of bonding, primary band structure



**ANNUAL TEACHING PLAN**

20/19 - 2020

AL'S

& No.	Syllabus Assigned
	band Covalent band and metallic band secondary band (bandar wall bands and hydrogen band) the Kroing - penny model, Energy varies vectors, relationship different representations (Brillain zone)
I	Ch.3. Thermal properties of solid.
II	classical theory of lattice heat capacity, concept of lattice heat capacity, concept of comparison with experimental values Einstein theory of lattice heat capacity, Debye model of lattice heat capacity of modes, limitation of Debyes models,

**ANNUAL TEACHING PLAN**

20/19 - 2020

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
Feb 2020	S.Y. B.Sc XII	Ch4 - free electron theory of metals and transport properties Drude - Lorentz classical theory electrical conductivity, thermal conductivity, wredemann's law, significance of fermi energy level Hall effect, Hall effect, Hall voltage and Hall coefficient experimental determination of Hall coefficient important of Hall effect.
Oct. 2019	T.Y. B.Sc XX	Ch.1. Non- Conventional energy Sources - Introduction, Biomass with tidal energy ocean energy, geothermal energy Biogas hydro energy, wind energy



## ANNUAL TEACHING PLAN

2019 - 2020

PAPER'S

S. No.	Syllabus Assigned
	wind energy, solar energy, Biogas plant, fixed dome types, wind energy - Introduction of wind energy, term and definition
B.Sc	wind farm, wind turbine, vertical axis, wind turbine (VAWT)
	horizontal axis, wind turbine (HAWT) propeller (wheel) wind mill types of wind turbine generator units
	monoblade HAWT, twin blade HAWT merits and limitation of wind energy
	CH. 2. solar photovoltaic systems
sc	Introduction of photovoltaic system Solar cells fundamentals
	(i) semiconductors

## ANNUAL TEACHING PLAN

2019 - 2020

THEORY / PRACTICAL'S

Month	Class & Paper No.	Syllabus Assigned
		(i) P-N Junction
		(iii) Generation of electron-hole pair by photon absorption
		(iv) I-v characteristics of solar cell, electrical storage, lead acid battery, basic battery theory.
Dec 2019	T.Y. B.Sc <del>XX</del>	CH. 3. Introduction of optical fibre, introduction, importance of optical fibre, classification of optical fibre stepped index fibre, stepped index multimode fibre disadvantages of monomode fibre, plastic fibre latest development types of optical fibre - HP SW, HD SR, Halide tapered.
Jan 2020	—	





**DAILY TEACHING PLAN**

2019 - 2020

Date: *wednesday*  
 3/7/2019

Topic and its Sub units to be taught

CH. Thermal conductivity

- Introduction
- Defn
- explanation

CH. I. Electrostatics

- Introduction
  - electrostatics
- $$q = \pm ne$$

CH. I. photoelectric effect

- Introduction
- electromagnetic theory
- explanation

**Arts, Commerce and Science College, Ashti**

Tal. Ashti, Dist. Beed

**DAILY TEACHING PLAN**

2019 - 2020

Date: 4/07/19

Subject: *physics*

Class	Paper No.	Topic and its Sub units to be taught
B.SC II	II	- Transfer of heat - conduction - convection - radiation - explanation
B.SC III	XVI	- electric field line and electric flux $E = \frac{1}{4\pi\epsilon_0} \cdot \frac{q}{r^2}$
B.SC II	VIII	- Hertz apparatus (photon) explanation

**DAILY TEACHING PLAN**

2019 - 2020

Date: 05/07/2019

Topic and its Sub units to be taught

Coefficient of thermal conductivity

$$Q = \frac{kA(\theta_1 - \theta_2)t}{x}$$

Explanation -

- line of force (A) positive pt. charge

(b) two equal and opposite pt. charge  
 (electric dipole)

(c) two equal like charge

- photoelectric emission

- photoelectric effect

- explanation

**DAILY TEACHING PLAN**

2019 - 2020

Date: 06/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.Sc I	II	- Temperature gradient - - Explanation - Dimension -
B.Sc III	XVI	- electric flux and Gauss law - - diagram - explanation
B.Sc II	XIII	- law of photoelectric effect or emission - - threshold frequency ( $\nu_0$ ) - explanation -



**DAILY TEACHING PLAN**

2019 - 2020

Date: 08/07/2019

Topic and its Sub units to be taught

- Thermal Resistivity -

- Defn

- formula -  $\frac{x}{AK}$

- Explanation -

- Gauss law -

$$E = \frac{1}{\epsilon_0} P$$

- Explanation

- Lenard method to determine  $e/m$  for photoelectron -

- Apparatus arrangement -

- Explanation

**DAILY TEACHING PLAN**

2019 - 2020

Subject: physics

Date: 09/07/2019

Class

Paper No.

Topic and its Sub units to be taught

B.SCI

I

- Thermal diffusivity -

- Defn

$$h = \frac{k}{(\text{ms}^2/\text{v})} = \frac{k}{\text{ps}}$$

- Explanation

B.SCI III

XVI

- The closed surface  $S$  may be divided into two surfaces  $S_1$  and  $S_2$  each of which subtend the same solid angle at  $q$ .

B.SCI II

VIII

graphical presentation of Lenard's curve -

- graph -

- Explanation -

**DAILY TEACHING PLAN**

2019-2020

Date: 10/07/2019

Topic and its Sub units to be taught

Rectilinear flows of heat along a metal bar  
 formula =  $Q = kA \left( \frac{d^2\theta}{dx^2} \right) dx$

- The divergence of E -

$$\int \nabla \cdot E \, dy = \oint E \cdot da = \frac{1}{\epsilon_0} \int \rho \cdot dV = \frac{1}{\epsilon_0} Q_{enc}$$

Explanation.

- Lenard's method to determine  $e/m$  for photodiode.

$$\frac{e}{m} = \frac{2V}{B^2 R^2}$$

Explanation -

**DAILY TEACHING PLAN**

2019-2020

Date: 11/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
-------	-----------	--------------------------------------

B.SCI	II	Case - I - Before the steady state is reached $\frac{d^2\theta}{dx^2} = \frac{\rho_s dx}{k \cdot dt} + \frac{\epsilon P}{kA} \theta$
-------	----	---

B.SCI	XVI	- Application of Gauss law - (i) To find electric field due to uniform charged sphere -
-------	-----	--

B.SCI	VIII	- Richardson and Cantion experiment - experimental arrangement - explanation -
-------	------	--



**DAILY TEACHING PLAN**

20 19 - 2020

Date: 12/07/2019

Topic and its Sub units to be taught

Case II) If the heat lost by radiation is negligible.

$\frac{k}{ps} = h$  is the thermal diffusivity

To find electric field due to uniform charged sphere -

$$E = \frac{1}{4\pi\epsilon_0} \frac{q}{r^2}$$

- Richardson and Compton first studied relation between the photoelectric current (I) and retarding potential (V)

Explanation -

**DAILY TEACHING PLAN**

20 19 - 2020

Date: 13/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.SCI	II	Case III) After the steady state is reached $\frac{d\theta}{dt} = 0$ $0 = Ae^{+ux} + Be^{-ux}$
B.SCI	XVI	ii) To find electric field due to charged cylinder $E = \frac{1}{2\epsilon_0} \cdot k \cdot r \cdot \lambda$
B.SCI	VIII	photoelectric emission - i) for potential - Diagram - explanation -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 15/07/2019

Topic and its Sub units to be taught

A] If the bar is of infinite length

$$x=0 \quad \phi = \phi_0$$

$$\phi = \phi_0 e^{-\mu x}$$

suplanation -

- Gaussion pill box
- diagram
- explanation

- Relation between velocity of photo electron and frequency of light

$$\frac{1}{2} m v_m^2 = e V_0$$

Explanation -

**DAILY TEACHING PLAN**

2019 - 2020

Subject: physics

Date: 16/07/2019

Class	Paper No.	Topic and its Sub units to be taught
B.Sc I	II	B] Suppose the bar is sufficiently long and is of finite length 'L' then the boundary condition are, $\phi = \phi_0 \left[ \frac{e^{\mu x}}{1 + e^{2\mu L}} + \frac{e^{-\mu x}}{1 + e^{-2\mu L}} \right]$
B.Sc III	XVI	5] In an infinite plane Cariera uniform surface charge ( $\sigma$ ) $E = \frac{\sigma}{2\epsilon_0} \hat{n}$
B.Sc II	VIII	- Graphical representation of velocity against frequency ( $\nu$ ) - explanation -



## DAILY TEACHING PLAN

2019 - 2020

Date: 17/07/2019

Topic and its Sub units to be taught

- Method of radial flow of heat  
 - spherical shell method -  

$$k = \frac{Q(r_2 - r_1)}{4\pi r_1 r_2 (\theta_1 - \theta_2)}$$
  
 - explanation -

poisson's Equation -

$$\nabla^2 \psi = -\frac{\rho}{\epsilon_0}$$

Explanation

- Nature of metal  
 - Graphically representation of frequency and  $eV_0$   
 - graphs  
 - explanation -

## DAILY TEACHING PLAN

2019 - 2020

Date: 18/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.SCI	I	Case of temperature distribution in spherical shell may be obtained $Q = \frac{1}{r_2 - r_1} \left( \frac{(\theta_1 - \theta_2) r_1 r_2}{r} + (\theta_2 r_2 - \theta_1 r_1) \right)$
B.SCI	XVI	- Laplace Equation - $\nabla^2 \psi = 0$ - explanation -
B.SCI	VIII	- K.E of photoelectron - $K.E = \frac{1}{2} m v_m^2 = h\nu - h\nu_0 = h(\nu - \nu_0)$ - explanation -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 19/07/2019

Topic and its Sub units to be taught

Flow of heat along the wall of a cylindrical tube -  
 - diagram -  
 - explanation -

- Uniqueness theorem -  
 $\nabla^2 \psi = 0$   
 Explanation -

- photoelectric cell -  
 - Defn  
 - Types -  
 - explanation -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 20/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.Sc I	II	Flow of heat along the wall of a cylindrical tube - $k = \frac{Q \times 2.3026 \times \log_{10} \frac{r_2}{r_1}}{2\pi (Q_1 - Q_2)}$ Explanation -
B.Sc III	XVI	Theorem - II $\int (\nabla^2 \psi)^2 dv = 0$ vs. Explanation -
B.Sc II	VIII	photo-emission cell or phototube - - construction - - working - - diagram - - uses -



**DAILY TEACHING PLAN**

2019 - 2020

Date: 22/07/2019

Topic and its Sub units to be taught
To find the temperature $\theta$ of the cylindrical shell at a distance $r$ equating the rate of $Q$ from eqn (1) and (2)
$Q = \frac{1}{\log \frac{r_2}{r_1}} (Q_1 \log r_2 - Q_2 \log r_1)$
- Uniqueness theorem -
- Explanation -
- photovoltaic cell or phototube -
- construction -
- working -
- Diagram -
- Uses -

**DAILY TEACHING PLAN**

2019 - 2020

Date: 23/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.SCI	II	- Comparison of conductivities of different metals - - Ingen - Hausz Experiments - - Explanation -
B.SCI	XVI	problem of multiple choice question based on chapter electrostatics - explanation -
B.SCI	VIII	- photoconductive cell - - construction - - working - - Diagram - - Uses -

**DAILY TEACHING PLAN**

2019-2020

Date: 24/07/2019

Paper No.	Topic and its Sub units to be taught
II	Ingen Hausz Experiment - $\frac{K_1}{I_1^2} = \frac{K_2}{I_2^2} = \frac{K_3}{I_3^2} = \text{const.}$
XIV	Ch. 2: The time varying field - Introduction - - Explanation -
VIII	photomultiplier - construction - - working - - Diagram -

**DAILY TEACHING PLAN**

2019-2020

Date: 25/07/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.SCI	II	problem. unsolved problem - - Explanation -
B.SCI	XVI	Coil - magnet Experiment - diagram - explanation -
B.Sc II	VIII	Sound Reproduction in film - - Automatic operation of street light - Image Inverter - - explanation -



**DAILY TEACHING PLAN**

20 19 - 2020

Date: 26/07/2019

Topic and its Sub units to be taught

Multiple choice question based  
 on chapter thermal conductivity.  
 — explanation —

Faradays first law of electromagnetic  
 Induction —  

$$\mathcal{E} \propto \frac{d\phi}{dt}$$

Used in burglar and fire alarm  
 — uses —  
 — explanation —

**DAILY TEACHING PLAN**

20 19 - 2020

Date: 27/7/2019

Subject: physics

Class	Paper No.	Topic and its Sub units to be taught
B.SCI I	II	Ch. 2. Real gases and transport phenomenon — explanation —
B.SCI III	XVI	Faradays laws of electromagnetic Induction — explanation —
B.SCI II	VIII	— Essential part of television and phototelegram — — explanation —

**DAILY TEACHING PLAN**

2019 - 2020

Date: 29/7/2019

Topic and its Sub units to be taught

Atoms -  
 - molecules  
 - explanation -

Lowz's law of electromagnetic  
 Induction -  
 - explanation -

Problems, multiple choice question  
 based on ch. photoelectric  
 effect.

**DAILY TEACHING PLAN**

2019 - 2020

Subject: physics

Date: 30/7/2019

Class	Paper No.	Topic and its Sub units to be taught
B.Sc I	II	Kinetic theory of matter - - explanation -
B.Sc III	XVI	Lowz law $e = - \frac{d\phi}{dt}$ - diagram - - explanation -
B.Sc II	VIII	CH. 2. X-Ray - introduction - explanation -

sh