

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

DEPARTMENT OF PHYSICS

Cross Cutting Issues in Syllabus

Year: - 2019-2020

Sr. No.	Class	Sem	Paper	Topic	Cross Cutting Issues
1	B.Sc. - I	I	I	Fluid dynamics and viscosity, elasticity, surface tension	Professional Ethics
		I	II	Ultrasonic waves, waves, interference, diffraction	Environment, Professional Ethics
		II	III	Ideal and real gas, thermodynamics	Environment, Professional Ethics
		II	IV	Dielectrics, semiconductor diodes, magnetism	Environment, Professional Ethics
2	B.Sc. - II	III	V	Elasticity viscosity. sound acoustics of buildings	Environment, Professional Ethics
		III	VI	Logic gates, digital electronics	Environment, Professional Ethics
		IV	VII	Cardinal points, diffraction of light interference of light, polarization of light	Environment, Professional Ethics
		IV	VIII	Relativity, wave particle duality, nuclear energy	Environment, Professional Ethics
3	B.Sc. - III	V	IX	Vectors theorems.co ordinates micro and microstate, entropy and probability, molecular speed, thermodynamic function	Environment, Professional Ethics

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Vidyanagar Bhosare, Dist. Solapur

K. N. Bhise Arts Commerce & Vinayakrao Patil

Science College Vidyanagar Bhosare

Name of the Department: **Economics**

Academic Year 2019-2020

Cross cutting issues

Sr.No.	Class	Sem.	Paper	Name of the topic	Cross cutting issues
1.	B.A -I	I	Indian Economy -I	Agricultural Cropping Pattern, Dry Land farming, Horticulture & Floriculture	Sustainability
2.	B.A -I	II	Indian Economy -I	Industrial Policy-1991	Environment
4.	B.A-III	V	Micro Economics	Welfare Economics-Problems in measuring Economic Welfare	Human Values
5.	B.A-III	V	Development & research methodology	Role of Agriculture in Economic Development & Sustainable Agriculture	Sustainability
6.	B.A-III	VI	History of economic thought	Mahatma Gandhi- Gram Swaraj, Khadi Gram udyog, AmratyaSen-Poverty. Dr. BabasahebAmbedkar- Thought of Welfare Economics	Human Values
7.	B.A-III	VI	Agricultural Economics	Technical changes in Agriculture, New Agricultural Technology & Employment	Sustainability
8.	B.A-III	V	Agricultural Economics	Rural Industrialization-Role of agro based industries in economic development	Professional Ethics
9.	B.Com -II	III	Money & Financial System	Opening & Operating Banking Accounts	Professional Ethics
11.	B.com-III	V	Business Economics-II	Poverty, Regional Imbalance, Social Injustices, Inequality, Parallel Economy	Sustainability & Human Values


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Department of Political Science

Cross Cutting Issues in syllabus

Year:- 2019-2020

Sr. No	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A.-I	Constitutional Government and Democracy in India	I & II	1) Sources and features of the Indian constitution. Importance of the Preamble of constitution	Historical Background	Human Values
				2) Fundamental Rights and Fundamental Duties of Indian citizen, Directive Principles of State Policy	Social, Political, Economic Justice	Human Values and Gender
2	B.A.-II	PUBLIC ADMINISTRATION	(I.D.S.)	1) Public Administration (a) Meaning, Definition. (b) Nature, Scope and Importance. (c) Public and Private Administration	Social, Political, Economical Justice and Equality	Human Values
				2) Financial Administration (With reference to India) (a) Preparation and Passing of Budget (b) Financial Committees (1) Estimate Committee (2) Public Accounts Committee (3) Committee on Public Undertakings	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3) (a) Office of Lokpal and Lokayukta : Need and Importance (b) Right to Information – Nature and Significance	Social Equality, Rationalism, Fraternity	Human Values
		INTRODUCTION TO POLITICAL THEORY	III & V	1) Political Theory (a) Meaning (b) Nature, scope and importance.	Political, Economical and Religious Freedom,	Human Values and Gender

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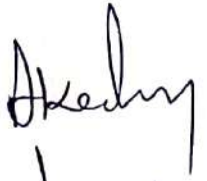
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			2)Liberty (a) Meaning. (b) Types. 3)Equality (a) Meaning. (b) Types. 4)Justice (a) Meaning. (b) Types. (C) Importance of Social Justice	Equality. and Fraternity among the human being	
	MODERN INDIAN POLITICAL THOUGHT	IV & VI	1) Raja Rammohan Roy (a) Social Reforms. (b) Political Thoughts. (c) The role of Roy in Indian renaissance. 2)B. G. Tilak (a) Views about British Rule. (b) Nationalism. (c) Four – Fold Programme. 3) Mahatma Gandhi (a) Satya, Ahimsa and Satyagraha. (b) Concept of Swaraj (c) Theory of Trusteeship. 4) Jawaharlal Nehru (a) Secular Nationalism (b) Democratic Socialism (c) Non- Alignment and Panchasheel	Truth, Non-Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social, Political equality	Human Values,


 Kesham A.H.

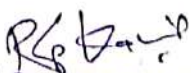

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Department of History
Cross Cutting Issues in syllabus

Year:- 2019-20

Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A-I	Chhatrapati Shivaji Maharaj and His Times (1600 To 1707A.D)	I & II	1)Religious Policy of Shivaji Maharaj	Religious Tolerance	Human Values
2	B.A-II	History of Social Reformers in Maharashtra (1818 To 1970AD)	IDS	1) Work and Biography of Shahu Maharaj	Social Equality, Economical Justice	Human Values
				2)Work and Biography Mahatam Phule	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3)Work and Biography Dr. Babasaheb Ambedkaer	Social Equality, Rationalism, Fraternity	Human Values a
		History of Modern Europe (1750 To 1871A.D.)	III & V	1) French Revolution 14 th July, 1789	Political, Economical and Religious Freedom, Equality. and Fraternity among the human being	Human Values
				2) Industrial Revolution		
		History of Indian Freedom Movement (1857 To 1950A.D)	IV & VI	1)Gandhian Philosophy, 2)Movements for Independence, 3) Constitutional Development.	Truth, Non-Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social equality	Human Values,


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Department of English

CROSS-CUTTING ISSUES

2019 - 2020

Sl. No.	Paper No.	Paper Name	Class	Content of Syllabus	Linkage
1	XIII	British Literature	B.A.III	Pygmalion Portrait of the Artist as a Young Man	Human Values
2	IX	Indian Writing in English	B.A.III	On Killing A Tree Thousand Faces of Night	Environmental Consciousness Gender Issues
3	XIV	Indian Writing in English Values in Life	B.A.III/ B. Sc. III	The Female of the Species Forgive Me Mother Old Stone Mansion The Namesake	Gender Issues Humanity Human Values
4	XV	Literatures in English	B.A.III	The Shroud	Humanity
5	Comp	Gems of Wisdom	B.A.II B.Com II	A Devoted Son Professions for Women Draupadi Stopping by Wood Night of the Scorpion Mother to Son	Devotion Women Empowerment Nature Superstition
6	III	British Literature	B.A.II	On Habits Shakespeare's Sister My Relations	Morality Humanity
7	IV	Indian Literature in English	B.A.II	Untouchable My Vision for India The English Teacher What is Creativity A Universal Player	Equality Human Values Universal Values
8	I	Introduction to Literature My duty to my Neighbor	B.A.I/ B. Sc. I/ B.Com. I	Hope is the Thing with Feathers Peace The Gift of Magi The Homecoming Sadgati The Bet	Positivity Human Value Love Belongingness Human Value Human Value

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Department of Geography- 2019-20

Sr. No.	Class	Semester	Paper No.	Name of the Topic	Concept	Cross cutting Issues
1	B.A.I	I	1	Branches of Geography- Climatology, Earthquake and Volcanoes	Geography Earthquake, Volcanoes	Environment
2	B.A.I	II	2	Climate and weather	Climate, weather	Environment
3	B.A.II	III	03	Man and Environment, Human Life and Adoption to Environment	Environment	Environment
4	B.A.II	III	04	Physiographic Region, Climate, Soil and Vegetation, Resources	Physiography, Climate, Soil, Vegetation, Resources	Environment
5	B.A.II	IV	05	Theories of Population Growth and Population Composition, Human Migration,	Population Growth and Composition	Gender valued Human Values
6	B.A.II	IV	06	Agriculture	Agriculture	Environment
7	B.A. III	V	7	Non Conventional Energy Recourses, Bio-Resources	Energy Resource Bio-Resources	Environment
8	B.A. III	V	08	Concentric Zone theory, Sector theory	Concentric Zone	Environment
	B.A. III	V	09	Dichotomy in Geography	Dichotomy	Environment
9	B.A. III	VI	10	Agriculture	Agriculture	Environment
	B.A. III	VI	11	Fences, Hartland Theory, Mackinder Theory. Climate, Vegetation, Resources, Population,	Fences, Hartland, Climate, Vegetation, Resources, Population,	Environment
10	B.A. III	VI	12	Issues related to physical environmental degradation, Environmental disaster	Physical environment degradation, Environmental disaster	Environment
11	B.Sc. I	I	01	Nature and scope of Geomorphology	Geomorphology	Environment
				Origin of the Earth, Interior of the earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes, Continental Drift Theory, Sea Floor spreading, Plate Tectonic theory	Interior, Earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes Continental Drift Theory, Sea Floor	Environment



Head. Department of Geography


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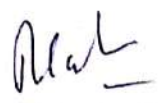
Department of Mathematics

Cross Cutting Issues in Syllabus

2019-2020

Sr. No.	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	System Of Linear Equations DeMoivre's Theorem	Professional Ethics
2.	B. Sc.-I	I	II	Leibnitz Theorem Taylor' & Maclaurine's series	Professional Ethics
3.	B. Sc.-I	II	III	Conversion between Polar and Cartesian System Family of Sphere Family of Plane	Professional Ethics
4.	B. Sc.-I	II	IV	Linear Equation	Professional Ethics
5.	B. Sc.-II	III	V	Radius Of Curvature Maxima & minima Jacobian of Determinants	Professional Ethics
6.	B. Sc.-II	III	VI	Real Number System	Professional Ethics
7.	B. Sc.-II	IV	VII	Homogeneous & Non Homogeneous differential Equation Total & Simultaneous Equations	Professional Ethics
8.	B. Sc.-II	IV	VIII	Group Theory	Professional Ethics


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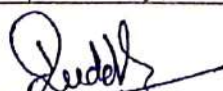
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Kurduwadi

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Department of Chemistry

2019-2020

Sr. No.	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	Thermodynamics	Environment, Professional Ethics
2.	B. Sc.-I	II	IV	Air Pollution, Water Pollution, Petroleum and Petrochemicals	Environment, Professional Ethics
3.	B. Sc.-II	III	VI	Chelation	Professional Ethics
4.	B. Sc.-II	IV	VII	Distribution law	Professional Ethics
5.	B. Sc.-II	IV	VIII	Industrial heavy chemicals, Metallurgy, Iron and steel	Professional Ethics
6.	B. Sc.-III	V	X	Nuclear Chemistry	Human Values, Environment, Professional Ethics
7.	B. Sc.-III	V	XI	Spectroscopic Methods	Professional Ethics
8.	B. Sc.-III	V	XII	Colorimetry, Potentiometry, Conductometry, Electroplating, Flame Photometry	Environment, Professional Ethics
9.	B. Sc.-III	VI	XIII	Solutions	Environment, Professional Ethics
10.	B. Sc.-III	VI	XIV	Metal and Semiconductor, Corrosion and Passivity	Professional Ethics
11.	B. Sc.-III	VI	XV	Carbohydrates, Vitamins and Hormones, Pharmaceuticals, Synthetic Dyes, Agrochemicals	Environment, Professional Ethics
12.	B. Sc.-III	VI	XVI	Soaps and Detergents, Synthetic polymers, Green Chemistry, Sugar and alcohol industry, Textile Chemistry	Environment, Professional Ethics


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College,Kurduwadi

Department of Hindi

Cross Cutting Issues In Syllabus

Year:-2019-20

Sr.No.	Class	Sem.	Paper	Name of the Topic	Cross cutting issues
1.	B.A.I	I II	I II	चीफ की दावत, सुभान खॉ, झीलों का देश, गौरा गाय, रहीम, गजल, अहिल्याबाई	Human Value Environment Human Value Human Value
2.	B.A.II	III IV	III V	जायसी, कबीर दौड	Human Value Gender issues
3.	B.A.III	V VI	VII XII	बादलों के घेरे समय सरगम	Gender issues Human Value


प्राचार्य

के. एन. भिसे आर्ट्स, कॉमर्स अँड
विनायकराव पाटील सायन्स कॉलेज,
विद्यानगर भोसरे, जि. सोलापूर


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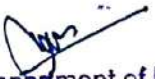
K. N. Bhise Arts Commerce & Vinayakrao Patil

Science College, Kurduwadi

Name of the Department: **Economics**

Academic Year 2018-2019

Sr.No.	Class	Sem.	Paper	Name of the topic	Cross cutting issues
1.	B.A -I	I	Indian Economy -I	Agricultural Cropping Pattern, Dry Land farming, Horticulture & Floriculture	Sustainability
2.	B.A -I	II	Indian Economy -I	Industrial Policy-1991	Environment
3.	B.A-II	IV	Demography	Women Empowerment - Factors determining empowerment of women	Human Values
4.	B.A-III	V	Micro Economics	Welfare Economics- Problems in measuring Economic Welfare	Human Values
5.	B.A-III	V	Development & research methodology	Role of Agriculture in Economic Development & Sustainable Agriculture	Sustainability
6.	B.A-III	VI	History of economic thought	Mahatma Gandhi- Gram Swaraj, Khadi Gram udyog, Amratya Sen-Poverty. Dr. Babasaheb Ambedkar- Thought of Welfare	Human Values
7.	B.A-III	VI	Agricultural Economics	Technical changes in Agriculture , New Agricultural Technology & Employment	Sustainability
8.	B.A-III	V	Agricultural Economics	Rural Industrialization-Role of agro based industries in economic development	Professional Ethics
9.	B.Com -II	III	Money & Financial System	Opening & Operating Banking Accounts	Professional Ethics
10.	B.Com-III	V	Business Economics-I	Principals of Business Economics	Professional Ethics
11.	B.com-III	V	Business Economics-II	Poverty, Regional Imbalance, Social Injustices, Inequality, Parallel Economy	Sustainability & Human Values


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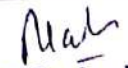
Department of History

Cross Cutting Issues in syllabus

Year:- 2018-19

Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A-I	Rise of Maratha Power	I & II	1) Religious Policy of Shivaji Maharaj	Religious Tolerance	Human Values
2	B.A-II	History of Social Reformers in Maharashtra	IDS	1) Work and Biography of Shahu Maharaj	Social Equality, Economical Justice	Human Values
				2) Work and Biography Mahatam Phule	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3) Work and Biography Dr. Babasaheb Ambedkar	Social Equality, Rationalism, Fraternity	Human Values a
		Modern Europe	III & V	1) French Revolution 14 th July, 1789 2) Industrial Revolution 3) Unification of Italy and Germany	Political, Economical and Religious Freedom, Equality. and Fraternity among the human being	Human Values
		Modern India	IV & VI	1) Gandhian Philosophy, 2) Movements for Independence, 3) Constitutional Development.	Truth, Non-Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social equality	Human Values,


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Department of Political Science

Cross Cutting Issues in syllabus

Year:- 2018-19

Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A.-I	INDIAN GOVERNMENT AND POLITICS	I & II	1) Sources and features of the Indian constitution. Importance of the Preamble of constitution	Historical Background	Human Values
				2) Fundamental Rights and Fundamental Duties of Indian citizen, Directive Principles of State Policy	Social, Political, Economic Justice	Human Values and Gender
2	B.A.-II	PUBLIC ADMINISTRATION	(I.D.S.)	1) Public Administration (a) Meaning, Definition. (b) Nature, Scope and Importance. (c) Public and Private Administration	Social, Political, Economical Justice and Equality	Human Values
				2) Financial Administration (With reference to India) (a) Preparation and Passing of Budget (b) Financial Committees (1) Estimate Committee (2) Public Accounts Committee (3) Committee on Public Undertakings	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3) (a) Office of Lokpal and Lokayukta : Need and Importance (b) Right to Information – Nature and Significance	Social Equality, Rationalism, Fraternity	Human Values
		INTRODUCTION TO POLITICAL THEORY	III & V	1) Political Theory (a) Meaning (b) Nature, scope and importance.	Political, Economical and Religious	Human Values and Gender

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				2)Liberty (a) Meaning. (b) Types. 3)Equality (a) Meaning. (b) Types. 4)Justice (a) Meaning. (b) Types. (C) Importance of Social Justice	Freedom, Equality. and Fraternity among the human being	
		MODERN INDIAN POLITICAL THOUGHT	IV & VI	1) Raja Rammohan Roy (a) Social Reforms. (b) Political Thoughts. (c) The role of Roy in Indian renaissance. 2)B. G. Tilak (a) Views about British Rule. (b) Nationalism. (c) Four – Fold Programme. 3) Mahatma Gandhi (a) Satya, Ahimsa and Satyagraha. (b) Concept of Swaraj (c) Theory of Trusteeship. 4) Jawaharlal Nehru (a) Secular Nationalism (b) Democratic Socialism (c) Non- Alignment and Panchasheel	Truth, Non- Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social, Political equality	Human Values,


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Department of Mathematics

Cross Cutting Issues in Syllabus

2018-2019

Sr. No.	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	System Of Linear Equations DeMoivre's Theorem	Professional Ethics
2.	B. Sc.-I	I	II	Leibnitz Theorem Taylor' & Maclaurine's series	Professional Ethic
3.	B. Sc.-I	II	III	Conversion between Polar and Cartesian System Family of Sphere Family of Plane	Professional Ethics
4.	B. Sc.-I	II	IV	Linear Equation	Professional Ethics
5.	B. Sc.-II	III	V	Radius Of Curvature Maxima & minima Jacobian of Determinants	Professional Ethics
6.	B. Sc.-II	III	VI	Real Number System	Professional Ethics
7.	B. Sc.-II	IV	VII	Homogeneous & Non Homogeneous differential Equation Total & Simultaneous Equations	Professional Ethics
8.	B. Sc.-II	IV	VIII	Group Theory	Professional Ethics



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K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE, VIDYANAGAR BHOSARE**

Department of Geography- 2018-19

Sr. No.	Class	Semester	Paper No.	Name of the Topic	Concept	Cross cutting Issues
1	B.A.I	I	1	Branches of Geography- Climatology, Earthquake and Volcanoes	Geography Earthquake, Volcanoes	Environment
2	B.A.I	II	2	Climate and weather	Climate, weather	Environment
3	B.A.II	III	03	Man and Environment, Human Life and Adoption to Environment	Environment	Environment
4	B.A.II	III	04	Physiographic Region, Climate, Soil and Vegetation, Resources	Physiography, Climate, Soil, Vegetation, Resources	Environment
5	B.A.II	IV	05	Theories of Population Growth and Population Composition, Human Migration,	Population Growth and Composition	Gender valued Human Values
6	B.A.II	IV	06	Agriculture	Agriculture	Environment
7	B.A. III	V	7	Non Conventional Energy Recourses, Bio-Resources	Energy Resource Bio-Resources	Environment
8	B.A. III	V	08	Concentric Zone theory, Sector theory	Concentric Zone	Environment
	B.A. III	V	09	Dichotomy in Geography	Dichotomy	Environment
9	B.A. III	VI	10	Agriculture	Agriculture	Environment
	B.A. III	VI	11	Fences, Hartland Theory, Mackinder Theory. Climate, Vegetation, Resources, Population,	Fences, Hartland, Climate, Vegetation, Resources, Population,	Environment
10	B.A. III	VI	12	Issues related to physical environmental degradation, Environmental disaster	Physical environment degradation, Environmental disaster	Environment
11	B.Sc. I	I	01	Nature and scope of Geomorphology	Geomorphology	Environment
				Origin of the Earth, Interior of the earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes, Continental Drift Theory, Sea Floor spreading, Plate Tectonic theory	Interior, Earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes Continental Drift Theory, Sea Floor	Environment

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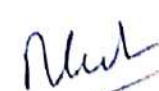
Department of Microbiology

Academic Year 2018-19

Cross cutting issues

Sr. no	Class	Topic	Cross cutting issue
1	B.Sc –I	History of development of microbiology	Human Values- Gratitude towards scientists
		Diversity of Microbial world	Environment – biodiversity
		Cultivation techniques of microorganisms	Professional ethics
		Water microbiology Sewage microbiology Milk microbiology Medical microbiology	Environment issue, Human values, Professional ethics
	B.Sc. –II	Clinical Microbiology Hospital infections and Disposal of Medical Waste	Human values and Professional ethics
		Microbial diseases	Professional ethics
		Industrially important microorganisms and products	Professional ethics
		Use of waste as a fermentation media	Environment issues
		Strain improvement	Professional ethics
		Single Cell Protein	Environment issues and human values
	B.Sc –III	Introduction to Soil microbiology	Environment issues
		Element cycle	Environment issues
		Composting and Biodegradation	Environment issues
		Plant pathology	Environment issues
		Applications of biotechnology in agriculture GM crops	Professional ethics
		Food Microbiology	Human values
		Industrial production of rDNA products	Professional ethics
		Production of alcoholic beverages	Human values and professional ethics
		Downstreaming Process	Environmental issue
		Biosafety bioethics	Environmental issue, Professional ethics
		Genetic Engineering	Professional ethics
		Air microbiology, Marine microbiology and fresh water ecosystem Extremophiles, EIA, Geomicrobiology	Environmental issue
		Chemotherapy	Professional ethics

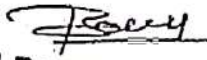

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Department of Marathi
Cross Cutting Issues in Syllabus

Year 2017-18

Sr.No.	Class	Semister	Paper	Name of the Topic	Cross Cutting Issues
1	B.A. I	I	I	नटसम्राट-समाजजीवन	नैतिकता
2	B.A. I	II	II	निवडक नारायण सुर्वे-स्त्री पुरुष जीवनचित्रण	मानवता
3	B.A. II	III	III	रानातल्या कविता-आशय	नैतिकता
4	B.A. II	III	IV	शीतयुद्ध सदानंद-कथानक	मानवता
5	B.A. II	IV	V	आपण माणसात जमा नाही-समाज चित्रण	मानवता
6	B.A. II	IV	VI	प्रकाशवाटा-समाज, संस्कृती दर्शन	नैतिकता
7	B.A. III	V	VII	साहित्य निर्मिती प्रक्रिया-कल्पना	नैतिकमूल्य
8	B.A. III	V	VIII	ध्वनी विचार	नैतिक मूल्य
9	B.A. III	V	VIX	संत ज्ञानेश्वर समकालीन संत	मानवता मूल्य
10	B.A. III	V	VX	दलित कविता पत्रव्यवहार	नैतिक मूल्य
11	B.A. III	V	VXI	कोंटूबीक जीवन	मानवता
12	B.A. III	VI	XII	साहित्याची आस्वादात्मकता	नैतिकता
13	B.A. III	VI	XIII	भाषेचा स्वरविचार	नैतिकता
14	B.A. III	VI	XIV	रघुनाथ पंडित-ब्रामन पंडित साहित्य	लिंगभेद
15	B.A. III	VI	XV	कथालेखन	मानवता
16	B.A. III	VI	XVI	दलित साहित्य सामाजिकता	मानवता


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CROSS-CUTTING ISSUES

2017 - 2018

Sl. No.	Paper No.	Paper Name	Class	Content of Syllabus	Linkage
1	XIII	British Literature	B.A.III	Pygmalion Portrait of the Artist as a Young Man	Human Values
2	IX	Indian Writing in English	B.A.III	On Killing A Tree Thousand Faces of Night	Environmental Consciousness Gender Issues
3	XIV	Indian Writing in English Values in Life	B.A.III/ B. Sc. III	The Female of the Species Forgive Me Mother Old Stone Mansion The Namesake	Gender Issues Humanity Human Values
4	XV	Literatures in English	B.A.III	The Shroud	Humanity
5	Comp	Gems of Wisdom	B.A.II B.Com II	A Devoted Son Professions for Women Draupadi Stopping by Wood Night of the Scorpion Mother to Son	Devotion Women Empowerment Nature Superstition
6	III	British Literature	B.A.II	On Habits Shakespeare's Sister My Relations	Morality Humanity
7	IV	Indian Literature in English	B.A.II	Untouchable My Vision for India The English Teacher What is Creativity A Universal Player	Equality Human Values Universal Values
8	I	Introduction to Literature My duty to my Neighbor	B.A.I/ B. Sc. I/ B.Com. I	Hope is the Thing with Feathers Peace The Gift of Magi The Homecoming Sadgati The Bet	Positivity Human Value Love Belongingness Human Value Human Value

APB

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Science College, Kurduwadi

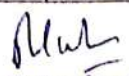
Department of History

Cross Cutting Issues in syllabus

Year:- 2017-18

Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A-I	Rise of Maratha Power	I & II	1) Religious Policy of Shivaji Maharaj	Religious Tolerance	Human Values
2	B.A-II	History of Social Reformers in Maharashtra	IDS	1) Work and Biography of Shahu Maharaj	Social Equality, Economical Justice	Human Values
				2) Work and Biography Mahatam Phule	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3) Work and Biography Dr. Babasaheb Ambedkar	Social Equality, Rationalism, Fraternity	Human Values a
		Modern Europe	III & V	1) French Revolution 14 th July, 1789 2) Industrial Revolution 3) Unification of Italy and Germany	Political, Economical and Religious Freedom, Equality. and Fraternity among the human being	Human Values
		Modern India	IV & VI	1) Gandhian Philosophy, 2) Movements for Independence, 3) Constitutional Development.	Truth, Non-Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social equality	Human Values,


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Vidyanagar, Bhosare. (Kurduwadi)

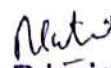
Department of Physics

Cross Cutting Issues in Syllabus

Year: - 2017-2018

Sr. No.	Class	Sem	Paper	Topic	Cross Cutting Issues
1	B.Sc. -I	I	I	Fluid dynamics and viscosity, elasticity, surface tension	Professional Ethics
		I	II	Ultrasonic waves, waves, interference, diffraction	Environment, Professional Ethics
		II	III	Ideal and real gas, thermodynamics	Environment, Professional Ethics
		II	IV	Dielectrics, semiconductor diodes, magnetism	Environment, Professional Ethics
2	B.Sc. - II	III	V	Elasticity viscosity. sound acoustics of buildings	Environment, Professional Ethics
		III	VI	Logic gates, digital electronics	Environment, Professional Ethics
		IV	VII	Cardinal points, diffraction of light interference of light, polarization of light	Environment, Professional Ethics
		IV	VIII	Relativity, wave particle duality, nuclear energy	Environment, Professional Ethics
3	B.Sc. - III	V	IX	Vectors theorems.co ordinates micro and microstate, entropy and probability, molecular speed, thermodynamic function	Environment, Professional Ethics


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Department of Zoology

Academic Year 2017-2018

Sr.No	Class	Semester	Paper	Topic	Cross cutting issues
1	B.Sc.I	II	Paper – IV Ecology, Ethology, Evolution and Applied Zoology	Biotic factors. Abiotic factors Sericulture, Apiculture, Poultry science, Dairy science, Fishery science, Pearl culture, Lac culture, Goat farming and Piggary. Vermitechnology	Environment , professional ethics
2	B.Sc.II	III	Paper – V Animal Diversity III	Mosquito as insect vector in human diseases	Environment
3	B.Sc.II	III	Paper – VI Cell Science, Genetics, Biological Chemistry and Economic Zoology	Economic Fishery, Sericulture, Dairy science, Poultry science, Apiculture	Professional ethics
4	B.Sc.II	IV	Paper –VI Histology and Physiology	Study of Contraceptives: Male and Female	Gender


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Kurduwadi

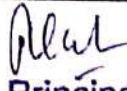
Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)

Department of Chemistry

2017-2018

Sr. No.	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	Thermodynamics	Environment, Professional Ethics
2.	B. Sc.-I	II	IV	Air Pollution, Water Pollution, Petroleum and Petrochemicals	Environment, Professional Ethics
3.	B. Sc.-II	III	VI	Chelation	Professional Ethics
4.	B. Sc.-II	IV	VII	Distribution law	Professional Ethics
5.	B. Sc.-II	IV	VIII	Industrial heavy chemicals, Metallurgy, Iron and steel	Professional Ethics
6.	B. Sc.-III	V	X	Nuclear Chemistry	Human Values, Environment, Professional Ethics
7.	B. Sc.-III	V	XI	Spectroscopic Methods	Professional Ethics
8.	B. Sc.-III	V	XII	Colorimetry, Potentiometry, Potentiometry, Conductometry, Electroplating, Flame Photometry	Environment, Professional Ethics
9.	B. Sc.-III	VI	XIII	Solutions	Environment, Professional Ethics
10.	B. Sc.-III	VI	XIV	Metal and Semiconductor, Corrosion and Passivity	Professional Ethics
11.	B. Sc.-III	VI	XV	Carbohydrates, Vitamins and Harmones, Pharmaceuticals, Synthetic Dyes, Agrochemicals	Environment, Professional Ethics
12.	B. Sc.-III	VI	XVI	Soaps and Detergents, Synthetic polymers, Green Chemistry, Sugar and alcohol industry, Textile Chemistry	Environment, Professional Ethics


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Paranda Road, Kurduwadi, Tal – Madha Dist – Solapur Pin – 413 208 (Mh)

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Date :

DEPARTMENT OF BOTANY

2016 - 17

Sr. No	Class	Sem	Paper	Name of the Topic	Cross cutting Issues
1	B.Sc I	I	I	Applied Phycology	Professional Ethics, Environmental sustainability
2	B.Sc I	II	III	Applied Mycology	Professional Ethics, Environmental sustainability
3	B.Sc I	II	IV	Bryophyte, Pteridophyte and Gymnosperms	Professional Ethics, Environmental sustainability
4	B.Sc II	III	IV	Ecosystem, Pollution	Environmental sustainability
5	B.Sc II	IV	VI	Utilization of Plants	Professional Ethics

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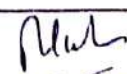
Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts and Commerce College, Kurduwadi

Department of Zoology

Academic Year 2016-2017

Sr.No	Class	Semester	Paper	Topic	Cross cutting issues
1	B.Sc.I	II	Paper – IV Ecology, Ethology, Evolution and Applied Zoology	Biotic factors. Abiotic factors Sericulture, Apiculture, Poultry science, Dairy science, Fishery science, Pearl culture, Lac culture, Goat farming and Piggary. Vermitechnology	Environment professional ethics
2	B.Sc.II	III	Paper – V Animal Diversity III	Mosquito as insect vector in human diseases	Environment
3	B.Sc.II	III	Paper – VI Cell Science, Genetics, Biological Chemistry and Economic Zoology	Economic Fishery, Sericulture, Dairy science, Poultry science, Apiculture	Professional ethics
4	B.Sc.II	IV	Paper –VI Histology and Physiology	Study of Contraceptives: Male and Female	Gender


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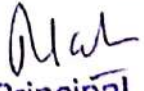
Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)

Department of Chemistry

2016-2017

Sr. No.	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	Thermodynamics	Environment, Professional Ethics
2.	B. Sc.-I	II	IV	Air Pollution, Water Pollution, Petroleum and Petrochemicals	Environment, Professional Ethics
3.	B. Sc.-II	III	VI	Chelation	Professional Ethics
4.	B. Sc.-II	IV	VII	Distribution law	Professional Ethics
5.	B. Sc.-II	IV	VIII	Industrial heavy chemicals, Metallurgy, Iron and steel	Professional Ethics
6.	B. Sc.-III	V	X	Nuclear Chemistry	Human Values, Environment, Professional Ethics
7.	B. Sc.-III	V	XI	Spectroscopic Methods	Professional Ethics
8.	B. Sc.-III	V	XII	Colorimetry, Potentiometry, Potentiometry, Conductometry, Electroplating, Flame Photometry	Environment, Professional Ethics
9.	B. Sc.-III	VI	XIII	Solutions	Environment, Professional Ethics
10.	B. Sc.-III	VI	XIV	Metal and Semiconductor, Corrosion and Passivity	Professional Ethics
11.	B. Sc.-III	VI	XV	Carbohydrates, Vitamins and Hormones, Pharmaceuticals, Synthetic Dyes, Agrochemicals	Environment, Professional Ethics
12.	B. Sc.-III	VI	XVI	Soaps and Detergents, Synthetic polymers, Green Chemistry, Sugar and alcohol industry, Textile Chemistry	Environment, Professional Ethics


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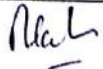
Department of Physics

Cross Cutting Issues in Syllabus

Year: - 2016-2017

Sr. No.	Class	Sem	Paper	Topic	Cross Cutting Issues
1	B.Sc. -I	I	I	Fluid dynamics and viscosity, elasticity, surface tension	Professional Ethics
		I	II	Ultrasonic waves, waves, interference, diffraction	Environment, Professional Ethics
		II	III	Ideal and real gas, thermodynamics	Environment, Professional Ethics
		II	IV	Dielectrics, semiconductor diodes, magnetism	Environment, Professional Ethics
2	B.Sc. - II	III	V	Elasticity viscosity. sound acoustics of buildings	Environment, Professional Ethics
		III	VI	Logic gates, digital electronics	Environment, Professional Ethics
		IV	VII	Cardinal points, diffraction of light interference of light, polarization of light	Environment, Professional Ethics
		IV	VIII	Relativity, wave particle duality, nuclear energy	Environment, Professional Ethics
3	B.Sc. - III	V	IX	Vectors theorems.co ordinates micro and microstate, entropy and probability, molecular speed, thermodynamic function	Environment, Professional Ethics


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Department of Hindi

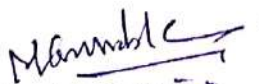
Cross Cutting Issues In Syllabus

Year:-2016-17

Sr.N o.	Class	Sem.	Paper	Name of the Topic	Cross cutting issues
1	B.A.I	I II	I I	कफन, यहाँ रोना मना है। बहता पानी निर्मला आठ साल का वह जेल में विवाह	Human Value Environment Human Value Human Value
2.	B.A.II	III IV	III	कबीर आत्मजयी	Human Value Human Value
3.	B.A.III	V	IV	सलाम जूठन	Gender issues Human Value


प्राचार्य

के. एन. भिसे आर्ट्स, कॉमर्स अँड
विनायकराव पाटील सायन्स कॉलेज,
विद्यानगर भोसरे, जि. सोलापूर


Head, Department of Hindi
KNBAC & VPS College, Bhosare.

K. N. Bhise Arts Commerce & Vinayakrao Patil

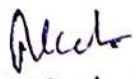
Science College, Kurduwadi

Name of the Department: Economics

Academic Year 2016-2017

Sr.No.	Class	Sem.	Paper	Name of the topic	Cross cutting issues
1.	B.A -I	I	Indian Economy -I	Agricultural Cropping Pattern, Dry Land farming, Horticulture & Floriculture	Sustainability
2.	B.A -I	II	Indian Economy -I	Industrial Policy-1991 Foreign Direct Investment	Environment and Professional Ethics
3.	B.A-II	IV	Demography	Women Empowerment - Factors determining empowerment of women	Human Values
4.	B.A-III	V	Micro Economics	Welfare Economics- Problems in measuring Economic Welfare	Human Values
5.	B.A-III	V	Development & research methodology	Role of Agriculture in Economic Development & Sustainable Agriculture	Sustainability
6.	B.A-III	VI	History of economic thought	Mahatma Gandhi- Gram Swaraj, Khadi Gram udyog, Amratya Sen-Poverty. Dr. Babasaheb Ambedkar- Thought of Welfare	Human Values
7.	B.A-III	VI	Agricultural Economics	Technical changes in Agriculture , New Agricultural Technology & Employment	Sustainability
8.	B.A-III	V	Agricultural Economics	Rural Industrialization-Role of agro based industries in economic development	Professional Ethics
9.	B.Com -II	III	Money & Financial System	Opening & Operating Banking Accounts	Professional Ethics
10.	B.Com-III	V	Business Economics-I	Principals of Business Economics	Professional Ethics
11.	B.com-III	V	Business Economics-II	Poverty, Regional Imbalance, Social Injustices, Inequality, Parallel Economy	Sustainability & Human Values

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Department of Microbiology

Academic Year 2016-17

Sr. no	Class	Paper	Topic	Cross cutting issue
1	B.Sc –I	Introduction to Microbiology and Microbial Diversity	History of development of microbiology	Human Values-Gratitude towards scientists
			Diversity of Microbial world	Environment – biodiversity
		Microbial Techniques	Cultivation techniques of microorganisms	Professional ethics
		Applied Microbiology	Water microbiology Sewage microbiology Milk microbiology Medical microbiology	Environment issue, Human values, Professional ethics
2	B.Sc. –II	Immunology & Medical Microbiology	Clinical Microbiology Hospital infections and Disposal of Medical Waste	Human values and Professional ethics
			Microbial diseases	Professional ethics
		Applied Microbiology – II	Industrially important microorganisms and products	Professional ethics
			Use of waste as a fermentation media	Environment issues
			Strain improvement	Professional ethics
			Single Cell Protein	Environment issues and human values
	B.Sc – III	Agricultural Microbiology	Introduction to Soil microbiology	Environment issues
			Element cycle	Environment issues
			Composting and Biodegradation	Environment issues
			Plant pathology	Environment issues
			Applications of biotechnology in agriculture GM crops	Professional ethics
		Industrial Microbiology	Food Microbiology	Human values
		Microbial Genetics	Industrial production of rDNA products	Professional ethics
		Industrial Microbiology	Production of alcoholic beverages	Human values and professional ethics
			Downstreaming Process	Environmental issue
		Industrial Microbiology II	Biosafety bioethics	Environmental issue, Professional ethics
		Microbial Genetics	Genetic Engineering	Professional ethics
		Environmental Microbiology	Air microbiology, Marine microbiology and fresh water ecosystem	Environmental issue
			Extremophiles, EIA, Geomicrobiology	
		Medical Microbiology	Chemotherapy	Professional ethics

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Department of Zoology

Academic Year 2015-2016

Sr.No	Class	Semester	Paper	Topic	Cross cutting issues
1	B.Sc.I	II	Paper – IV Ecology, Ethology, Evolution and Applied Zoology	Biotic factors. Abiotic factors Sericulture, Apiculture, Poultry science, Dairy science, Fishery science, Pearl culture, Lac culture, Goat farming and Piggary. Vermitechnology	Environment professional ethics
2	B.Sc.II	III	Paper – V Animal Diversity III	Mosquito as insect vector in human diseases	Environment
3	B.Sc.II	III	Paper – VI Cell Science, Genetics, Biological Chemistry and Economic Zoology	Economic Fishery, Sericulture, Dairy science, Poultry science, Apiculture	Professional ethics
4	B.Sc.II	IV	Paper –VI Histology and Physiology	Study of Contraceptives: Male and Female	Gender

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K. N. Bhise Arts and Commerce College, Kurduwadi

Department of Microbiology

Academic Year 2015-16

Sr. no	Class	Paper	Topic	Cross cutting issue
1	B.Sc –I	Introduction to Microbiology and Microbial Diversity	History of development of microbiology	Human Values- Gratitude towards scientists
			Diversity of Microbial world	Environment – biodiversity
		Microbial Techniques	Cultivation techniques of microorganisms	Professional ethics
		Applied Microbiology	Water microbiology Sewage microbiology Milk microbiology Medical microbiology	Environment issue, Human values, Professional ethics
2	B.Sc. –II	Immunology & Medical Microbiology	Clinical Microbiology	Human values and Professional ethics
			Hospital infections and Disposal of Medical Waste	
			Microbial diseases	Professional ethics
		Applied Microbiology – II	Industrially important microorganisms and products	Professional ethics
			Use of waste as a fermentation media	Environment issues
			Strain improvement	Professional ethics
			Single Cell Protein	Environment issues and human values
	B.Sc – III	Agricultural Microbiology	Introduction to Soil microbiology	Environment issues
			Element cycle	Environment issues
			Composting and Biodegradation	Environment issues
			Plant pathology	Environment issues
			Applications of biotechnology in agriculture GM crops	Professional ethics
		Industrial Microbiology	Food Microbiology	Human values
		Microbial Genetics	Industrial production of rDNA products	Professional ethics
		Industrial Microbiology	Production of alcoholic beverages	Human values and professional ethics
			Downstreaming Process	Environmental issue
		Industrial Microbiology II	Biosafety bioethics	Environmental issue, Professional ethics
		Microbial Genetics	Genetic Engineering	Professional ethics
		Environmental Microbiology	Air microbiology, Marine microbiology and fresh water ecosystem Extremophiles, EIA, Geomicrobiology	Environmental issue
		Medical Microbiology	Chemotherapy	Professional ethics

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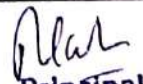
Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)

Department of Chemistry

2015-2016

Sr. No.	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	Thermodynamics	Environment, Professional Ethics
2.	B. Sc.-I	II	IV	Air Pollution, Water Pollution, Petroleum and Petrochemicals	Environment, Professional Ethics
3.	B. Sc.-II	III	VI	Chelation	Professional Ethics
4.	B. Sc.-II	IV	VII	Distribution law	Professional Ethics
5.	B. Sc.-II	IV	VIII	Industrial heavy chemicals, Metallurgy, Iron and steel	Professional Ethics
6.	B. Sc.-III	V	X	Nuclear Chemistry	Human Values, Environment, Professional Ethics
7.	B. Sc.-III	V	XI	Spectroscopic Methods	Professional Ethics
8.	B. Sc.-III	V	XII	Colorimetry, Potentiometry, Potentiometry, Conductometry, Electroplating, Flame Photometry	Environment, Professional Ethics
9.	B. Sc.-III	VI	XIII	Solutions	Environment, Professional Ethics
10.	B. Sc.-III	VI	XIV	Metal and Semiconductor, Corrosion and Passivity	Professional Ethics
11.	B. Sc.-III	VI	XV	Carbohydrates, Vitamins and Harmones, Pharmaceuticals, Synthetic Dyes, Agrochemicals	Environment, Professional Ethics
12.	B. Sc.-III	VI	XVI	Soaps and Detergents, Synthetic polymers, Green Chemistry, Sugar and alcohol industry, Textile Chemistry	Environment, Professional Ethics


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Science College, Kurduwadi

Name of the Department: **Economics**

Academic Year **2015-2016**

Sr.No.	Class	Sem.	Paper	Name of the topic	Cross cutting issues
1.	B.A -I	I	Indian Economy -I	Agricultural Cropping Pattern, Dry Land farming, Horticulture & Floriculture	Sustainability
2.	B.A -I	II	Indian Economy -I	WTO and Industrial Policy- 1991	Environment
3.	B.A-II	IV	Demography	Women Empowerment - Factors determining empowerment of women	Human Values
4.	B.A-III	V	Micro Economics	Welfare Economics- Problems in measuring Economic Welfare	Human Values
5.	B.A-III	V	Development & research methodology	Role of Agriculture in Economic Development & Sustainable Agriculture	Sustainability and Human Values
6.	B.A-III	VI	History of economic thought	Mahatma Gandhi- Gram Swaraj, Khadi Gram udyog, Amratya Sen-Poverty. Dr. Babasaheb Ambedkar- Thought of Welfare	Human Values
7.	B.A-III	VI	Agricultural Economics	Technical changes in Agriculture , New Agricultural Technology & Employment	Sustainability
8.	B.A-III	V	Agricultural Economics	Rural Industrialization-Role of agro based industries in economic development	Professional Ethics
9.	B.Com -II	III	Money & Financial System	Opening & Operating Banking Accounts	Professional Ethics
10.	B.Com-III	V	Business Economics-I	Principals of Business Economics	Professional Ethics
11.	B.com-III	V	Business Economics-II	Poverty, Regional Imbalance, Social Injustices, Inequality, Parallel Economy	Sustainability & Human Values


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COLLEGE, VIDYANAGAR BHOSARE**

Department of Geography- 2015-16

Sr. No.	Class	Semester	Paper No.	Name of the Topic	Concept	Cross cutting Issues
1	B.A.I	I	1	Branches of Geography- Climatology, Earthquake and Volcanoes	Geography Earthquake, Volcanoes	Environment
2	B.A.I	II	2	Climate and weather	Climate, weather	Environment
3	B.A.II	III	03	Man and Environment, Human Life and Adoption to Environment	Environment	Environment
4	B.A.II	III	04	Physiographic Region, Climate, Soil and Vegetation, Resources	Physiography, Climate, Soil, Vegetation, Resources	Environment
5	B.A.II	IV	05	Theories of Population Growth and Population Composition, Human Migration,	Population Growth and Composition	Gender valued Human Values
6	B.A.II	IV	06	Agriculture	Agriculture	Environment
7	B.A. III	V	7	Non Conventional Energy Recourses, Bio-Resources	Energy Resource Bio-Resources	Environment
8	B.A. III	V	08	Concentric Zone theory, Sector theory	Concentric Zone	Environment
	B.A. III	V	09	Dichotomy in Geography	Dichotomy	Environment
9	B.A. III	VI	10	Agriculture	Agriculture	Environment
	B.A. III	VI	11	Fences, Hartland Theory, Mackinder Theory. Climate, Vegetation, Resources, Population,	Fences, Hartland, Climate, Vegetation, Resources, Population,	Environment
10	B.A. III	VI	12	Issues related to physical environmental degradation, Environmental disaster	Physical environment degradation, Environmental disaster	Environment
11	B.Sc. I	I	01	Nature and scope of Geomorphology	Geomorphology	Environment
				Origin of the Earth, Interior of the earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes, Continental Drift Theory, Sea Floor spreading, Plate Tectonic theory	Interior, Earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes Continental Drift Theory, Sea Floor	Environment

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E-mail:- knbacck@yahoo.co.in

Phone No :- (02183)223245

Fax :- (02183)223245

Department of Political Science

Cross Cutting Issues in syllabus

Year:- 2015-16

Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A.-I	INDIAN GOVERNMENT AND POLITICS	I & II	1) Sources and features of the Indian constitution. Importance of the Preamble of constitution	Historical Background	Human Values
				2) Fundamental Rights and Fundamental Duties of Indian citizen, Directive Principles of State Policy	Social, Political, Economic Justice	Human Values and Gender
2	B.A.-II	PUBLIC ADMINISTRATION (I.D.S.)		1) Public Administration (a) Meaning, Definition. (b) Nature, Scope and Importance. (c) Public and Private Administration	Social, Political, Economical Justice and Equality	Human Values
				2) Financial Administration (With reference to India) (a) Preparation and Passing of Budget (b) Financial Committees (1) Estimate Committee (2) Public Accounts Committee (3) Committee on Public Undertakings	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3) (a) Office of Lokpal and Lokayukta : Need and Importance (b) Right to Information – Nature and Significance	Social Equality, Rationalism, Fraternity	Human Values
		BASIC CONCEPTS IN POLITICAL SCIENCE	III & V	1) State (a) Meaning, Definition. (b) Society and State. (c) The Essential Elements of State.	Political, Economical and Religious Freedom, Equality. and	Human Values and Gender

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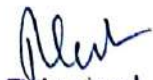
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				(d) Functions of State. 2) Nation (a) Meaning. (b) Elements of Nation. (c) Difference between State and Nation. 3) Sovereignty (a) Meaning, Definition. (b) The features of Sovereignty. (c) Theories of Sovereignty. Monastic and Pluralistic 4) Liberty, Equality and Justice (a) Meaning. (b) Types. (c) Relationship between Liberty, Equality and Justice.	Fraternity among the human being	
		MODERN INDIAN POLITICAL THOUGHT	IV & VI	1) Raja Rammohan Roy (a) Social Reforms. (b) Political Thoughts. (c) Views about Freedom of Press. 2) M.G.Ranade (a) Ideas on Social Reforms and their methods. (b) Political Liberalism. (c) Views on Economic Ideas. 3) B. G. Tilak (a) Views about British Rule. (b) Nationalism. (c) Four – Fold Programme. 4) Mahatma Gandhi (a) Satya, Ahimsa and Satyagraha. (b) Concept of Swaraj (c) Theory of Trusteeship	Truth, Non-Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social, Political equality	Human Values,


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COLLEGE, VIDYANAGAR BHOSARE**

Department of Geography- 2015-16

Sr. No.	Class	Semester	Paper No.	Name of the Topic	Concept	Cross cutting Issues
1	B.A.I	I	1	Branches of Geography- Climatology, Earthquake and Volcanoes	Geography Earthquake, Volcanoes	Environment
2	B.A.I	II	2	Climate and weather	Climate, weather	Environment
3	B.A.II	III	03	Man and Environment, Human Life and Adoption to Environment	Environment	Environment
4	B.A.II	III	04	Physiographic Region, Climate, Soil and Vegetation, Resources	Physiography, Climate, Soil, Vegetation, Resources	Environment
5	B.A.II	IV	05	Theories of Population Growth and Population Composition, Human Migration,	Population Growth and Composition	Gender valued Human Values
6	B.A.II	IV	06	Agriculture	Agriculture	Environment
7	B.A. III	V	7	Non Conventional Energy Recourses, Bio-Resources	Energy Resource Bio-Resources	Environment
8	B.A. III	V	08	Concentric Zone theory, Sector theory	Concentric Zone	Environment
	B.A. III	V	09	Dichotomy in Geography	Dichotomy	Environment
9	B.A. III	VI	10	Agriculture	Agriculture	Environment
	B.A. III	VI	11	Fences, Hartland Theory, Mackinder Theory. Climate, Vegetation, Resources, Population,	Fences, Hartland, Climate, Vegetation, Resources, Population,	Environment
10	B.A. III	VI	12	Issues related to physical environmental degradation, Environmental disaster	Physical environment degradation, Environmental disaster	Environment
11	B.Sc. I	I	01	Nature and scope of Geomorphology	Geomorphology	Environment
				Origin of the Earth, Interior of the earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes, Continental Drift Theory, Sea Floor spreading, Plate Tectonic theory	Interior, Earth, Planetesimal Hypothesis, Binary star Hypothesis, Earthquake and Volcanoes Continental Drift Theory, Sea Floor	Environment

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Taluka – Madha Dist-Solapur

Department of History
Cross Cutting Issues in syllabus

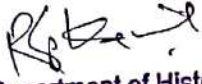
Year:- 2015-16

Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
1	B.A-I	Shivaji and His Times	I & II	1)Religious Policy of Shivaji Maharaj 2) Revenue collection of Chha. Shivaji Maharaj	Religious Tolerance. Subsidies for Poor Farmer.	Human Values
2	B.A-II	History of Social Reformers in Maharashtra	IDS	1) Work and Biography of Vithal Ramji Shinde	Social Equality,	Human Values
				2)Work and Biography Mahatam Phule	Social Equality, Rationalism, Fraternity, Eradication of Superstitions, Empowerment of Women	Human Values and Gender
				3)Work and Biography Dr. Babasaheb Ambedkaer	Social Equality, Rationalism, Fraternity	Human Values a
		History of Modern Europe	III & V	1) French Revolution 14 th July, 1789 2) Industrial Revolution 3) Unification of Italy and Germany	Political, Economical and Religious Freedom, Equality. and Fraternity among the human being	Human Values
		History of Modern India	IV & VI	1)Gandhian Philosophy, 2)Movements for Independence, 3) Constitutional Development.	Truth, Non-Violence, Nationalism, Economic Nationalism, Liberalism, Humanism Social equality	Human Values,


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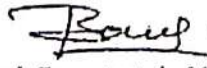

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Sr. no	Class	Paper Name	Paper No	Topic	Ideas	Cross cutting issue
3	B.A-III	History of Ancient India	VII,XII	1) Women status at Rigvedic period 2) Caste and Class less society in Pre-historical period	Social equality, Empowerment of Women	Human Values Gender
		History of Mughal India	VIII, XIII	Religious policy of Akbar	Religious Tolerance	Human Values
		Expansion and Downfall of Maratha Power	IX,XIV	Formation and work of barabhai	Unity for Justice	Human Values
		History of Modern World	X,XV	Russian Revolution of 1917	Socialism, Communism, Struggle for Economical Justice or equality	Human Values
		Historical Place and Documents	XI,XVI	Quality of Researcher	Honesty and Objectivity in Research	Human Values


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Sr.No.	Class	Semister	Paper	Name of the Topic	Cross Cutting Issues
1	B.A. I	I	I	नटसम्राट-व्यक्तीरेखा	मानवता, नैतिकता
2	B.A. I	II	II	निवडक नारायण सुर्वे-स्त्रीवादी जीवन चित्रण	नैतिक मूल्य
3	B.A. II	III	III	माझी काटे मुंदरीची शाळा-समतावादी दृष्टीकोन	नैतिकता
4	B.A. II	III	IV	सहा कथाकार-गंगाधर गाडगीळाच्या कथा	नैतिकता
5	B.A. II	IV	V	काय डेंजर वारा सुटलाय मधील संघर्ष	मानवता
6	B.A. II	IV	VI	मरणकथा-आत्मकथनातील स्त्रीजीवन	मानवता
7	B.A. III	V	VII	साहित्य लक्षणे-रससिद्धान्त	नैतिकता
8	B.A. III	V	VIII	साहित्य स्वरूप-कल्पकता	नैतिकता
9	B.A. III	V	VIX	भाषा लक्षणे	नैतिकमूल्ये
10	B.A. III	V	VX	स्वनिर्मिती	नैतिकमूल्ये
11	B.A. III	V	VXI	महानुभाव वाङ्मय	मानवतावाद
12	B.A. III	VI	VXII	पंडिती वाङ्मयातील बंधूमाधव यांचे वाङ्मय	मानवतावाद, नैतिकता
13	B.A. III	VI	XXIII	बातमी लेखन	नैतिकता
14	B.A. III	VI	XIV	सुत्रसंचालन	नैतिकता
15	B.A. III	VI	XV	तिफन साज-कथा	लिंगभेद
16	B.A. III	VI	XVI	स्त्रीवाद स्त्री सुक्त	स्त्री-पुरुष समानता लिंगभेद


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Department of English

CROSS-CUTTING ISSUES

2015- 2016

Sl. No.	Paper No.	Paper Name	Class	Content of Syllabus	Linkage
1	VIII	British Literature	B.A.III	Pygmalion Portrait of the Artist as a Young Man	Human Values
2	IX	Indian Writing in English	B.A.III	On Killing A Tree Thousand Faces of Night	Environmental Consciousness Gender Issues
3	X	Literatures in English	B.A.III	I will Marry When I Want A Golden Age	Morality Humanity
4	XIV	Indian Writing in English	B.A.III	The Female of the Species Forgive Me Mother Old Stone Mansion The Namesake	Gender Issues Humanity
5	Comp	Staying Ahead	B.A.II B.Com II	A Room of Once Own On Killing A Tree	Gender Issues Environment
6	III	British Literature	B.A.II	One Day I Wrote Her Name Because I could not Stop for Death Woman to Man	Love Truth Gender Issues
7	IV	Indian Literature in English	B.A.II	Untouchable My Vision for India The English Teacher What is Creativity A Universal Player	Equality Human Values Universal Values
8	I	Introduction to Literature	B.A.I	The Man with the Flower in his Hand She Walks in Beauty Ode on Solitude	Humanity Nature Human Value

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Department of Mathematics

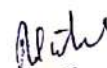
Cross Cutting Issues in Syllabus

2015-2016

Sr. No	Class	Sem	Paper	Name of the topic	Cross cutting issues
1.	B. Sc.-I	I	I	System Of Linear Equations DeMoivre's Theorem, Leibnitz Theorem Taylor' &Maclaurine's series	Professional Ethics
2.	B. Sc.-I	II	II	Conversion between Polar and Cartesian System Family of Sphere Family of Plane, Linear Equation	Professional Ethics
3.	B. Sc.-II	III	III	Radius Of Curvature Maxima & minima Jacobian of Determinants	Professional Ethics
4.	B. Sc.-II	III	IV	Real Number System	Professional Ethics
5.	B. Sc.-II	IV	V	Homogeneous & Non Homogeneous differential Equation Total & Simultaneous Equations	Professional Ethics
6.	B. Sc.-II	IV	VI	Group Theory	Professional Ethics



Prof. Khinde V.S.



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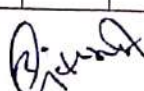
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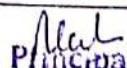
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Department of Physics
Cross Cutting Issues in Syllabus

Year: - 2015-2016

Sr. No.	Class	Sem	Paper	Topic	Cross Cutting Issues
1	B.Sc. -I	I	I	Fluid dynamics and viscosity, elasticity, surface tension	Professional Ethics
		I	II	Ultrasonic waves, waves, interference, diffraction	Environment, Professional Ethics
		II	III	Ideal and real gas, thermodynamics	Environment, Professional Ethics
		II	IV	Dielectrics, semiconductor diodes, magnetism	Environment, Professional Ethics
2	B.Sc. - II	III	V	Elasticity viscosity. sound acoustics of buildings	Environment, Professional Ethics
		III	VI	Logic gates, digital electronics	Environment, Professional Ethics
		IV	VII	Cardinal points, diffraction of light interference of light, polarization of light	Environment, Professional Ethics
		IV	VIII	Relativity, wave particle duality, nuclear energy	Environment, Professional Ethics
3	B.Sc. - III	V	IX	Vectors theorems.co ordinates micro and microstate, entropy and probability, molecular speed, thermodynamic function	Environment, Professional Ethics


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		V	X	Crystallography, band gap theory of solid, magnetic material, superconductivity	Environment, Professional Ethics
		V	XI	Mechanics of particle and system of particles, coupled oscillation, moving coordinate systems	Professional Ethics
		V	XII	Nuclear physics	Environment, Professional Ethics
		VI	XIII	Electromagnetic waves, charged particle dynamic, reflection and refraction of EM waves	Professional Ethics
		VI	XIV	Materials science	Environment, human values, Professional Ethics
		VI	XV	Atomic physics and molecular physics	Human values, Professional Ethics
		VI	XVI	Timer, silicon controlled rectifier, display devices, field effect transistor	Human values, Professional Ethics



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