Key Indicator- 1.3 Curriculum Enrichment (30)

Metric		Weightage
No.		
1.3.1.	Institution integrates crosscutting issues relevant to Professional	
	Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	10
QıM	Upload a description in maximum of 500 words	
	File Description (Upload)	
	Any additional information	
	Upload the list and description of courses which address the	
	Professional Ethics, Gender, Human Values, Environment and	
	Sustainability into the Curriculum.	

WOMEN EMPOWERMENT

S.no.	Date	Name of department	Activity	No. Of participant
1.	15/2/15	B.Ed.	To teach woman and children of slum area by B.Ed. students under Samarpan Social Group Activity	30 Students
2.	09/03/15	B.Ed.	Head of Department of Bhilai Mahila Mahavidyalaya Article on Women Empowerment	50 Students
3.	12/01/16	B.Ed.	Education provided in slum area by B.Ed. students under Samarpan Social Group Activity	30 Students
4.	16/04/18	B.Ed.	Students of the college participated in the essay competition titled "Nari Ek Dhuri" conducted by SVEEP	20 Students
5.	18/11/18	B.Ed.	Student of the college participated in essay competition titled "Women Empowerment"	10 Students
6.	08/03/18	B.Ed.	Debate competition on International Women's Day topic "Nari Abala Nahi Sabla"	10 Students
7.	08/3/19	B.Ed.	Essay Competition on Women Empowerment topic "Balance for Better"	10 Students
8.	6/5/2019	B.Ed.	Head of Department of Bhilai Mahila Mahavidhyalaya Article on Women Empowerment	11 Students

9.	31/1/20	B.Ed.	Education provided to D-grade staff by Bhilai Mahila	06 Students
			Mahavidhyalaya Education Department	

ENVIROMENT

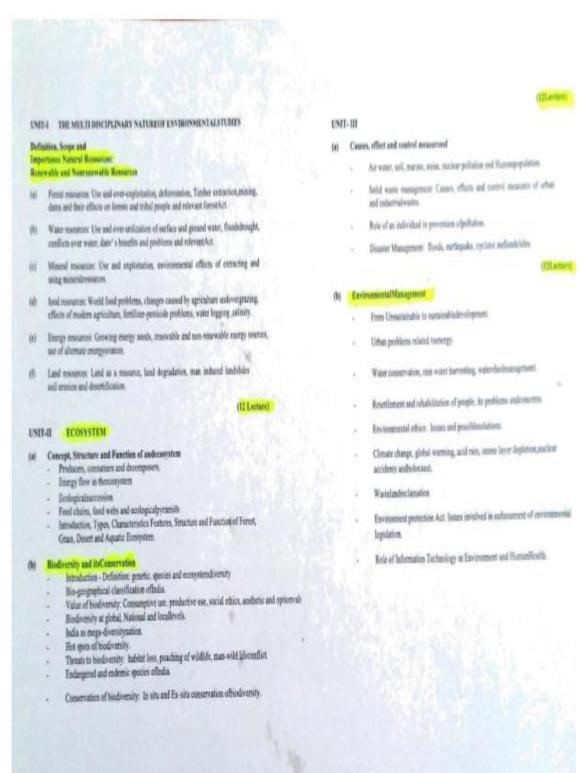
S.No	Date	Decpriction	EVENT
1	9/11/2015	B.Ed	Student of B.Ed to give advice for cleaniness of their
			student
2	26/10/2016	B.Ed	Samarpan' Aware to Cracker Harsness' in Slum Area
3	22/7/2017	B.Ed	Tree Plantation
4	4/11/2018	B.Ed	Samarpan Aware to Noise Pollution
5	30/4/2019	B.Ed	Samarpan Group to Save tree



1.3.1 Institution integrated cross- cutting issue relevant to Environment

and Sustainability into Curriculum.

Environmental Studies (B.Sc., B.Com, BA, BCA, BBA)





B.ED. SYLLABUS (SEMESTER I) CORE STUDY PAPER - II: LEARNER AND LEARNING PROCESS TOTAL MARKS: 80 COURSE OBJECTIVES

- : To enable teacher trainees to-
- (i) acquire knowledge and understanding of stages of human development and developmental tasks with special reference to adolescent learners;
- (ii) develop understanding of process of child learning in the context of various theories of learning;
- (iii) understand intelligence, motivation and various types of exceptional children; and
- (iv) develop skills for effective teaching-learning process and use of psychometric assessment.

Course Outline

- Unit I: Nature of Psychology and Learners Psychology: Its meaning, nature, methods and scope; functions of educational psychology. Stages of Human Development: Stage specific characteristics and developmental tasks. Adolescence in Indian Context: Characteristics and problems of adolescents, their needs and aspirations. Guidance and counselling for adolescents.
- Unit II: Learning Nature of Learning: Learning theories with specific reference to Piaget's Cognitive Theory and Vigotsky's Social Learning. Factors influencing learning and teaching process: Learner related, teacher related, process related, and content related.
- Unit III: Intelligence Nature and characteristics of intelligence and its development. Theories of intelligence: Two factor theory Multifactor Theory (PMA) and SI Model. Measuring intelligence: Verbal, Non-Verbal and Performance tests (one representative of group test and individual test of each), Creativity: definition & measuremen
- Unit IV: Exceptional Children Concept of exceptional children: Types and characteristics of each type including Children with learning disabilities. Individual differences: Nature; accommodating Individual differences in the classroom. Learner centered techniques for teaching exceptional children. Personality: Definition, meaning and nature; development of personality; type and trait theories of personality. Group Dynamics, Psycho-analysis.
- Unit V: Socialization, Culture and Education in Indian context History of Indian psychology with specific reference to religions and epics. Durganand Sinha's Cognitive Development. Understanding diversity in Indian culture. ----**



B.ED. SYLLABUS (SEMESTER II) CORE STUDY PAPER - V: CURRICULUM AND KNOWLEDG

Unit - III:

Moral Values - Nature of value and morality: Values are what make people consider life worthwhile. Values and morality involve choices which are arrived at by balancing diverse and often contradictory values. Even so, the choice made by one person may be very different from that made by another. Most educators agree that students need to engage seriously with the task of taking moral decisions, they also agree that preaching a set of values is tantamount to indoctrination at best or promoting hypocrisy at worst. - Morality in a multi-cultural, multi-religious and democratic society: Different cultures/religions have different value systems and preferences. Can any one of them become the basis of moral education in schools? Can there be democratic norms of dialogue between different value systems? - Objectives of moral education: Is it to impart information about what is valuable or to train the student how to take moral decisions or is it to instill in the student a desire to be a moral person? Should investigation into why it is difficult to be moral be a part of curriculum

B.ED. SYLLABUS (SEMESTER III) PAPER - VIII: PEDAGOGICAL STUDIES (PART II) PEDAGOGY OF SOCIAL SCIENCE (PART II)

Unit - X: Inter-Disciplinarity through Projects and Field Visits Projects in Social Sciences should be selected keeping in view the interconnections between the various disciplines that constitute Social Sciences. The interrelationship among various aspects of Social Sciences may be visualised as follows: - Geography and Economics: Transport and communication in a region- assessing current position with reference to development needs. - History and Political Science: Socio-political systems; Women's rights in society. - Economics and History: Agrarian change in India; Industrialisation in India. - History and Geography: Migration of people in a particular region- nature of migration, past and present trends. - Political Science and Geography: Sharing resources between regions/states and nations (e.g. water). - Economics and Political Science: Family budget and impact of change in prices of essential commodities. These projects are just a few examples. Similar projects may be designed by student-teachers for better understanding of various issues.



B.ED. SYLLABUS (SEMESTER IV) CONTEMPORARY STUDIES PAPER - X: GENDER, SCHOOL AND SOCIETY TOTAL

MARKS: 80 COURSE OBJECTIVES:

(i) Understanding the role of culture (apart from biology) as determinants of gender distinction in social

- (ii) Awareness of factors that shape gendered roles in Indian society;
- (iii) Understand the problems of girl child education in our society;
- (iv) Developing a critical perspective on gender-based discrimination and its effects;
- (v) To provide an introduction to and the development of an understanding of feminist approaches to the social and cultural construction of gender;
- (vi) To develop a critical understanding of intersectionality, including an awareness of gender and its complex intersections with other social and cultural categories, including but not limited to caste, tribe, class, sexuality and ability; and
- (vii) To equip the teacher with the ability to create more meaningful and gender just experiences for her students. Course Outline Unit I: Gender: Key Concepts- Social Construction of Gender Examining one's own growing up as a boy or a girl. Gender, sex, sexuality, patriarchy, masculinity and feminism. Gender bias, gender roles and stereotyping, and its consequences. Gender and other forms of inequality in relation with (caste, class, ethnicity, disability etc). Female sex ratio and child sex ratio. Unit II: Gender and Schooling Schooling of girls (literacy rate, dropout rate, completion rate, etc.) and reasons why girls are not able to complete schooling. Why do girls feel uncomfortable in schools? Can schools be different so that more girls can be educated? Gender bias in curriculum, textbooks, analysis of hidden curriculum. Critical examination of school and classroom processes- challenging gender biases and stereotypes. Understanding relationships within the school- child-child, teacher-child and teacher-peer group relationships from the perspective of gender. Feminization of teaching profession.

Unit - III: Gender and Sexuality - Understanding sexuality (sexual orientation and sexual identity- third gender) and the relationship between power and sexuality. - Violence against women- empirical examples of the graded violence against women, the impact of conflict and violence on the lives of women, efforts to deal with the issue of violence against women. - Legal (sexual and reproductive) rights of women.

Unit - IV: Psychological and Sociological Perspectives - Radical Feminist; - Socialist-Feminist; - Psychoanalytical and other perspectives; - Recent debates.

Unit - V: Strategies for Change - Policy and management. - In the school. - Women's action groups. - Mass media. Suggested themes for transaction of the content (Group discussions and review of case studies etc.) (i) Telling our own 'gendered' stories. (ii) En-culturing 'gendered' roles in upbringing within different kinds of families- case studies. (iii) Gender issues in school education- case studies. (iv) Gender issues manifest in contemporary public spaces- case studies. (v) Responding to various forms of Course Outline Unit - I: Nature of Language (Weightage - 2 questions 5 marks each) - What is Language? - Nature of English Language. - Need and Importance of English language.



B.ED. SYLLABUS (SEMESTER IV) PAPER - XII: ELECTIVE GROUP – II XII (F) TEACHING OF VALUES TOTAL MARKS: 80

COURSE OBJECTIVES:

- (i) To understand the nature and sources of nature, and disvalues.
- (ii) To understand the classification of values under different types.
- (iii) To appreciate educational values like democratic, secular, and socialist.
- (iv) Course Outline
 - Unit I Nature and sources of values, biological, psychological, social and ecological determinants of values- their bearing on education in varying degrees.
 - Unit II Classification of values into various types: Material, social, moral and spiritual values; status of values; how can these be realized through education.
 - Unit III Corresponding to values there are evils or dis-values: Material, social, economic, moral and religious evils leading to faithlessness and irreverence; how can education overcome these negative values.
 - Unit IV Levels of values realization, how to resolve the conflicts among values; how to work for the integration of values that are embedded in education. Development of values as a personal and lifelong process-teaching of values as an integral part of education.
 - Unit V Evaluating that teachers and other school personnel are value laden, students and parents are value laden, curriculum is value laden evaluate. Value of self-sacrifice vs value of self-centredness. Values of excellence vs values of ego-centralism. Values of work vs values of selfishness. Every teacher or all teachers need to teach values.



1.3.1. Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Gender: B A Part I English Literature

Paper II – 1750 – 1900. UNIT-5 Fiction Jane Austen - Pride and prejudice. b) Wordsworth – Solitary Reaper. Vii) Varieties of Romantic and Victorian Poetry. Viii) The Victorian Novel.

ix. Realism and the Novel.

Human Values:

Paper -I - 1550-1750

UNIT-2 POETRYa) Shakespeare-Sonnet No.1 From Fairest Creatures, SonnetNo.154. The little Love God.b) Milton-How Soon Hath Time the Subtle Thief of Youth...c) John Donne – Sweetest Love I don't go, This is My Play's Last Scene

UNIT-3 POETRYa) John Dryden - Portrait of Shadwell.b) Alexander Pope-From An Essay on Criticism (True case in writing....) and Victor stood subdued by sound.

UNIT-4 PROSEa) Bacon- Of Studies, Of Health, Of Friendship. b) Addison-Sir Roger at Home. c) Steele- Of the Club.

UNIT-5 DRAMA- Shake spear - The Merchant of Venice

UNIT-6 Fiction - Swift - The Battle of the Books.

UNIT-7 Historical and Literary Topics

- i. The Renaissance.
- ii. Humanism.
- iii. Reformation.
- iv. The Restoration.
- v. The Earlier Drama
- vi. Petrachism and the Sonnet Cycle.
- vii. The Influence of Seneca and Classical Dramatic Theory
- viii. The Elizabethan and Jacobeanstage.
- ix. Restoration Drama
- x. The Rise of Periodical Essay

Paper – II – 1750 -1900- UNIT -3- c) Tennyson - Crossing the Bar. d) Browning - Prospice.

UNIT-4 PROSE. a) Lamb - Dream Children: A Reverie. b) Hazlit - On Actors and Acting

UNIT-6 Fiction Charles Dickens - David Copperfield

UNIT-7 Historical and Literary Topics.

i.The Reform Acts.

- iv. Scientific the guts and discoveries
- v. Faith andDoubt.
- vi. Classical and Romantic Concepts of Imagination.
- vii. Varieties of Romantic and VictorianPoetry.
- viii. The VictorianNovel.
- ix. Realism and the Novel.
- x. Aestlheticism.

BA Part – II- English Literature, Paper – II - Modern English Literature (1705)

UNIT-II (Poetry)

a)Sasson - At the Grove of Henry Vaughan..b)Owen, W.H. - Strange Meeting

UNIT-III (Poetry)a). Auden – Seascape. b)Ted Hughes - The Howling of Wolves

UINT-IV (Prose)-a)Robert Lynd – Forgetting. b)H. Belloc - A conversation with A Reader

UNIT-V (Drama)- John Galsworthy - Strife

UNIT-VI William Golding - Lord of the Flies (Fiction)

UNIT-VII 1. Simile 2. Metaphor 3. Alliteration 4. Onomaetopoea 5. Ballad 6. Epic 7. Dramatic Monologuc.

Environment and Sustainability:

Paper – II – 1750 -1900- UNIT-2 POETRY –a) Blake-Tiger, Tiger Burning Bright..b)

Wordsworth - Daffodils and Solitary Reaper. c) Coleridge-Frost at Midnight.

UNIT-3 POETRY- a)Shelley - Ode to a skylark. b) Keats - Ode to Autumn.

UNIT-7 Historical and Literary Topics.

- ii. The Impact of Industrialization.
- iii. Colonialism AndImperialism.
- iv. Scientific the guts and discoveries.

BA Part II English Literature, Paper – I- Modernist English Literature (Paper code -1705)

UNIT – V- J.M. Synge - Riders of the Sea

BA Part II English Literature, Paper – II- Modernist English Literature (Paper code -1706)

UNIT-III (Poetry)

Auden - Seascape

Ted Hughes - The Howling of Wolves

B.Sc. (H.Sc) Past I

INTRODUCTION TO RESOURCE MANAGEMENT; ECOLOGY & ENVIRONMENT (Paper Code-0554)

Marks: 50

FOCUS:

This course deals with the management of resources in the family with particular reference to mobilising all the resources for achieving the family goals. It also deals with the factors motivating management and management applied to specific resources. The course intends to create awareness, appreciation and understanding of environment. The major environmental issues and problems are to be critically analysed for inculacting environmental consciousness among the learners and to help them take individual/ household/community level decision for making the physical environment condcive for family living. The course content has to be taught at an elementary level.

- To create an awareness among the students about management in the family as well. OBJECTIVES:
 - To recognize the importance of wise use of resourcs in order to achieve goals.
- The physical environment and its components and the major issues 2. 3.
- The impact of human activities on environment 1
- The action needed for checking environmental threats 5.

THE CHY:

Introduction to Management UNIT - 1

Basic concepts of Management

Furpose of Management

Achievement of Goals

Obstacles to the improvement of Management

Factors affecting management

- Lite style 8.
- Type of family 6.
- Family size, stage of family life cycle

UNIT-II

Factors Motivating Mangement Goals, definition, types and utility

- Values Importance, sources of values, classification, characteristics, Э. b.
- Standards Definition, classification-quantitative, qualitative, conventional and C.
- Decision Role of decision making in management, resource availibility ď.

UNIT-911

- Meaning and elements of process planning, controlling the plan and Management Process a.
- evaluating, decision making Planning - Importance, techniques, types of plan O.
 - Controlling the plan in action
 - Phases energizing checking
 - Factors in success of the control step
 - Suitability

- Promptness
- New decisions
- Flexibility
- Supervisions of delegated plan iii.
 - Types of supervision direction and guidance
 - Analysis of supervision
- Evaluation Importance, relationship to goals iv.
 - Types-Informal and formal, overall and detailed
 - Techniques of self-evaluation
 - Evaluation of the whole process of management

Resources in the Family

- Types of resources
- Factors affecting the use of resources

UMIT-IV

introduction

Meaning and definition of ecology and environment, scope of the subject.

as a resource, energy and mineral resources land poliution - sources, domestic waste major health hazards prevention and control.

Water

Problems and issues: Water pollution and scarcity, pollutants - health hazards and their control

Utility of forests and forest resources, deforestation and its impact, forest conservation.

n Air

Composition; air pollutants sources, their health hazards, green house effect

UNITA

Energy

Major sources of energy - alternate energy sources and energy conservation measure.

Habitat and Population

Uncontrolled population growth and its impact, control measures.

Environmental Education

Meaning, need and objectives, highlights, role of government, NGOs and educational institutions, national and international agencies.

Environmental Protection

काल्ल Policies, programmes and legislations ार्ग कार्य

PRACTICALS

ANY EIGHT PRACTICALS

Visit to Air Quality Monitoring unit of the Mucipal Corporation 1.

Visit to water supply station and sewage plant to study the water supply system and Par. the waste water and sewage disposal.

Identify the Food Chain in our daily life. 2.

Study the water cycle and water distribution on earth. 1.

Study the cooling effects of evaporation. 5.

Study the uses of solar energy 6. Practicals of Family resource management of B.H.Sc. Part I of Pt. R.S.S. Uni. Faipur REFERENCES:

Dowdswell, Elizabeth (1997; Salvaging the Earth, Need for Action, p.20-24 2.

Syllabus

Gender: Gender Equality is, 'Providing equal rights and opportunities to both the sexes- male as well as female can be explained as gender Equality'.

It has been universally accepted that Gender Equality is an important factor that effects the Socio-Economic Development of any country. As Of 2017, Gender Equality Is The Fifth Of Seventeen <u>Sustainable Development Goals</u> (SDG 5) Of The United Nations. In fact, Indian Government has introduced various schemes for the development of women.

As a reputed College for Women, Bhilai Mahila Mahavidyalaya,

We used to uplift the personality of the girl students by inculcating socio- economic independence in them. we consistently guide our students regarding their, duties, responsibilities as well as rights and powers as they are going to play key role in the family as well as society.

In fact our curriculum has also been designed with this perspective.

B.Com. Part-1;

Subject; business Communication:

Unit-1: Basic Forms of Communication, self-Development & Communication. Development of positive personal Attitudes.

Unit-2: Barriers of Communication

(Attention was given to that, In the process of communication, gender was an important factor that affects the communication)

B.Com. part-1

Subject: Business Environment:

Unit-2- problems of Growth- Social Injustice.

Unit-4- Economic Planning in India – women Empowerment is one of the developmental goals of our five year plans.

B.Com. part-2

Subject: Fundamentals of Enterpreneurship

Unit-3: Enterpreneur Behaviour & Psycho theories and Social Responsibilities.

Unit-5: Role of Enterpreneurs

(Explained about Women Enterpreneurs)

B.Com. Final

Subject: Income Tax

Unit-4: Computation of Tax Liability.

Unit-5: Tax management, Tax Planning.

Human Values & Rights:

Subject: Business regulatory frame Work

B.Com. part-1: Unit-5: Consumer protection Act 1986/2019:

Subject: Business Environment:

Unit-3: Liberalisation, Privatisation and Globalisation.

(Human Values and rights are the priority in framing LPG.).

unit-4: Economic Planning in India

(Planning Commission makes 5 year plans not only for the development of economy but also for safeguarding human values).

B.Com. part-2:

Subject: Principles of Management

Unit- 4: Motivation & leadi B.Com. part-2:

Subject: Company Law

Unit-1: Corporate personalities.

B.Com. Final

Subject-Auditing:

Unit-1: Auditing and its Importance. Types of Audit: Energy Audit & Green Audit.

Professional Ethics

B.Com. Final

Sub: Principles of Marketing;

Unit-2: Consumer behaviour & Market Segmentation.

Unit-5: Development & Marketing- Social marketing, green Marketing& Service marketing.

Environmental sustainability

Subject: Business regulatory frame Work

B.Com. part-1: Unit-5: Consumer protection Act 1986/2019:

Subject: Business Environment:

Unit-3: Liberalisation, Privatisation and Globalisation.

(Human Values and rights are the priority in framing LPG.).

unit-4: Economic Planning in India

(Planning Commission makes 5 year plans not only for the development of economy but also for safeguarding human values).

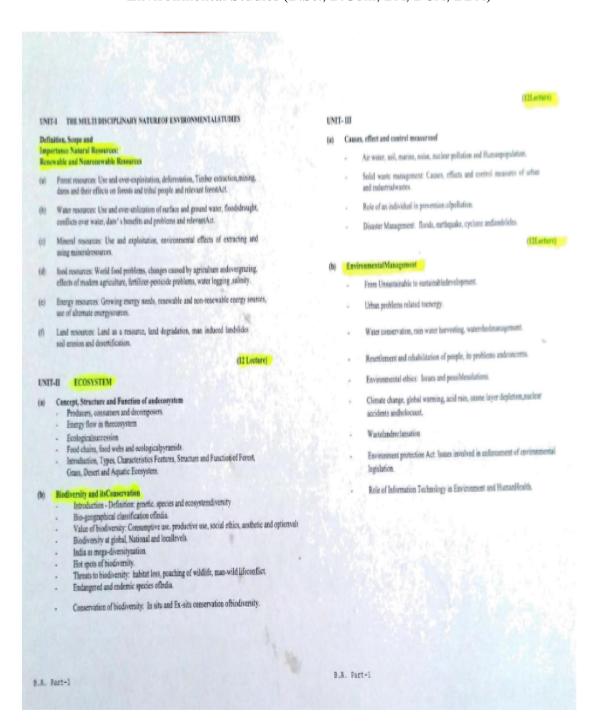
B.Com. Final

Subject-Auditing:

Unit-1: Types of Audit: Energy Audit & Green Audit.

1.3.1 Institution integrated cross- cutting issue relevant to Environment and Sustainability into Curriculum.

Environmental Studies (B.Sc., B.Com, BA, BCA, BBA)



B.ED. SYLLABUS (SEMESTER I)

CORE STUDY PAPER - II: LEARNER AND LEARNING PROCESS

TOTAL MARKS: 80

COURSE OBJECTIVES

: To enable teacher trainees to-

- (i) acquire knowledge and understanding of stages of human development and developmental tasks with special reference to adolescent learners;
- (ii) develop understanding of process of child learning in the context of various theories of learning;
 - (iii) understand intelligence, motivation and various types of exceptional children; and
 - (iv) develop skills for effective teaching-learning process and use of psychometric assessment.

Course Outline

- Unit I: Nature of Psychology and Learners Psychology: Its meaning, nature, methods and scope; functions of educational psychology. Stages of Human Development: Stage specific characteristics and developmental tasks. Adolescence in Indian Context: Characteristics and problems of adolescents, their needs and aspirations. Guidance and counselling for adolescents.
 - Unit II: Learning Nature of Learning: Learning theories with specific reference to Piaget's Cognitive Theory and Vigotsky's Social Learning. Factors influencing learning and teaching process: Learner related, teacher related, process related, and content related.
- Unit III: Intelligence Nature and characteristics of intelligence and its development. Theories of intelligence: Two factor theory Multifactor Theory (PMA) and SI Model. Measuring intelligence: Verbal, Non-Verbal and Performance tests (one representative of group test and individual test of each),

 Creativity: definition & measuremen
- Unit IV: Exceptional Children Concept of exceptional children: Types and characteristics of each type including Children with learning disabilities. Individual differences: Nature; accommodating Individual differences in the classroom. Learner centered techniques for teaching exceptional children. Personality: Definition, meaning and nature; development of personality; type and trait theories of personality. Group Dynamics, Psycho-analysis.
- Unit V: Socialization, Culture and Education in Indian context History of Indian psychology with specific reference to religions and epics. Durganand Sinha's Cognitive Development. Understanding diversity in Indian culture. -----*

B.ED. SYLLABUS (SEMESTER II) CORE STUDY PAPER - V: CURRICULUM AND KNOWLEDG

Unit - III:

Moral Values - Nature of value and morality: Values are what make people consider life worthwhile. Values and morality involve choices which are arrived at by balancing diverse and often contradictory values. Even so, the choice made by one person may be very different from that made by another. Most educators agree that students need to engage seriously with the task of taking moral decisions, they also agree that preaching a set of values is tantamount to indoctrination at best or promoting hypocrisy at worst. - Morality in a multi-cultural, multi-religious and democratic society: Different cultures/religions have different value systems and preferences. Can any one of them become the basis of moral education in schools? Can there be democratic norms of dialogue between different value systems? - Objectives of moral education: Is it to impart information about what is valuable or to train the student how to take moral decisions or is it to instill in the student a desire to be a moral person? Should investigation into why it is difficult to be moral be a part of curriculum

B.ED. SYLLABUS (SEMESTER III) PAPER - VIII: PEDAGOGICAL STUDIES (PART II)

PEDAGOGY OF SOCIAL SCIENCE (PART II)

Unit - X: Inter-Disciplinarity through Projects and Field Visits Projects in Social Sciences should be selected keeping in view the interconnections between the various disciplines that constitute Social Sciences. The interrelationship among various aspects of Social Sciences may be visualised as follows: - Geography and Economics: Transport and communication in a region- assessing current position with reference to development needs. - History and Political Science: Socio-political systems; Women's rights in society. - Economics and History: Agrarian change in India; Industrialisation in India. - History and Geography: Migration of people in a particular region- nature of migration, past and present trends. - Political Science and Geography: Sharing resources between regions/states and nations (e.g. water). - Economics and Political Science: Family budget and impact of change in prices of essential commodities. These projects are just a few examples. Similar projects may be designed by student-teachers for better understanding of various issues.

B.ED. SYLLABUS (SEMESTER IV)

CONTEMPORARY STUDIES PAPER - X:

GENDER, SCHOOL AND SOCIETY TOTAL

MARKS: 80

COURSE OBJECTIVES:

- (i) Understanding the role of culture (apart from biology) as determinants of gender distinction in social living;
 - (ii) Awareness of factors that shape gendered roles in Indian society;
 - (iii) Understand the problems of girl child education in our society;
 - (iv) Developing a critical perspective on gender-based discrimination and its effects;
- (v) To provide an introduction to and the development of an understanding of feminist approaches to the social and cultural construction of gender;
- (vi) To develop a critical understanding of intersectionality, including an awareness of gender and its complex intersections with other social and cultural categories, including but not limited to caste, tribe, class, sexuality and ability; and
- (vii) To equip the teacher with the ability to create more meaningful and gender just experiences for her students. Course Outline Unit I: Gender: Key Concepts- Social Construction of Gender Examining one's own growing up as a boy or a girl. Gender, sex, sexuality, patriarchy, masculinity and feminism. Gender bias, gender roles and stereotyping, and its consequences. Gender and other forms of inequality in relation with (caste, class, ethnicity, disability etc). Female sex ratio and child sex ratio.

 Unit II: Gender and Schooling Schooling of girls (literacy rate, dropout rate, completion

Unit - II: Gender and Schooling - Schooling of girls (literacy rate, dropout rate, completion rate, etc.) and reasons why girls are not able to complete schooling. - Why do girls feel uncomfortable in schools? - Can schools be different so that more girls can be educated? - Gender bias in curriculum, textbooks, analysis of hidden curriculum. - Critical examination of school and classroom processes- challenging gender biases and stereotypes. - Understanding relationships within the school- child-child, teacher-child and teacher-peer

group relationships from the perspective of gender. - Feminization of teaching profession.

Unit - III: Gender and Sexuality - Understanding sexuality (sexual orientation and sexual identity- third gender) and the relationship between power and sexuality. - Violence against women- empirical examples of the graded violence against women, the impact of conflict and violence on the lives of women, efforts to deal with the issue of violence against women. - Legal (sexual and reproductive) rights of women.

Unit - IV: Psychological and Sociological Perspectives - Radical Feminist; - Socialist-Feminist; - Psychoanalytical and other perspectives; - Recent debates.

Unit - V: Strategies for Change - Policy and management. - In the school. - Women's action groups. - Mass media. Suggested themes for transaction of the content (Group discussions and review of case studies etc.) (i) Telling our own 'gendered' stories. (ii) En-culturing 'gendered' roles in upbringing within different kinds of families- case studies. (iii) Gender issues in school education- case studies. (iv) Gender issues manifest in contemporary public spaces- case studies. (v) Responding to various forms of gender discrimination.

B.ED. SYLLABUS (SEMESTER IV) PAPER - XI: LANGUAGE PROFICIENCY (ENGLISH LANGUAGE) TOTAL MARKS: 50 Course Outline Unit - I: Nature of Language (Weightage - 2 questions 5 marks each) - What is Language? - Nature of English Language.

B.ED. SYLLABUS (SEMESTER IV)

PAPER - XII: ELECTIVE GROUP -

II XII (F) TEACHING OF VALUES TOTAL

MARKS: 80

COURSE OBJECTIVES: (i) To understand the nature and sources of nature, and disvalues. (ii) To understand the classification of values under different types. (iii) To appreciate educational values like democratic, secular, and socialist. Course Outline Unit - I - Nature and sources of values, biological, psychological, social and ecological determinants of values- their bearing on education in varying degrees. Unit - II - Classification of values into various types: Material, social, moral and spiritual values; status of values; how can these be realized through education. Unit - III - Corresponding to values there are evils or dis-values: Material, social, economic, moral and religious evils leading to faithlessness and irreverence; how can education overcome these negative values. Unit - IV - Levels of values realization, how to resolve the conflicts among values; how to work for the integration of values that are embedded in education. - Development of values as a personal and life-long process-teaching of values as an integral part of education. Unit - V - Evaluating that teachers and other school personnel are value laden, students and parents are value laden, curriculum is value laden evaluate. - Value of self-sacrifice vs values of self-centredness. - Values of excellence vs values of ego-centralism. - Values of work vs values of selfishness. - Every teacher or all teachers need to teach values.

PAPER - XI

CHILDHOOD PSYCHOPATHOLOGY

Max. Marks: 80

UNIT-I 1. Normality - Meaning, Concept and criteria's of normality

Cultural differences in normal adaptation

Features of normal adaptation

Normal adjustment changes with age Meaning and criteria's of abnormality.

UNIT-II 2. Stress and adaptation to stress

Nature of stress

Types of stress

Sources of stress

Effect of stress in psychological functioning

Effect of stress on physical health Responding to stress

Measurement of stress

Theories of stress

Factors of moderating the impact of the stress

Mental health- Definition, concept, and contents. Importance of mental hygiene.

UNIT- III 5. Introduction to psychopathology

History and different models

Etiology of mental disorders - Psycho-social models

Psychopathology of neurotic, stress related and somato form disorders.

Anxiety disorders Dissociative disorders

UNIT-IV 6. Obsessive and compulsive disorder

Phobic anxiety disorders

Adjustment disorders and behavioral syndromes associated with psychophysi-ology

disturbances.

UNIT-V 9. Psychopathology of psychotic disorders.

Schizophrenia Paranoia.

Mood disorders

Psychopathology of personality and behavioral disorders

Specific -personality disorders.

Habit and impulse disorders

Mental and behavioral disorders

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B.Sc. (H.Sc) Past I

INTRODUCTION TO RESOURCE MANAGEMENT; ECOLOGY & ENVIRONMENT (Paper Code-0554)

Marks: 50

FOCUS:

This course deals with the management of resources in the family with particular reference to mobilising all the resources for achieving the family goals. It also deals with the factors motivating management and management applied to specific resources. The course intends to create awareness, appreciation and understanding of environment. The major environmental issues and problems are to be critically analysed for inculacting environmental consciousness among the learners and to help them take individual/ household/community level decision for making the physical environment condcive for family living. The course content has to be taught at an elementary level.

- To create an awareness among the students about management in the family as well. OBJECTIVES:
 - To recognize the importance of wise use of resourcs in order to achieve goals.
- The physical environment and its components and the major issues 2. 3.
- The impact of human activities on environment 1
- The action needed for checking environmental threats 5.

THE CHY:

Introduction to Management UNIT - 1

Basic concepts of Management

Furpose of Management

Achievement of Goals

Obstacles to the improvement of Management

Factors affecting management

- Lite style 8.
- Type of family 6.
- Family size, stage of family life cycle

UNIT-II

Factors Motivating Mangement Goals, definition, types and utility

- Values Importance, sources of values, classification, characteristics, Э. b.
- Standards Definition, classification-quantitative, qualitative, conventional and C.
- Decision Role of decision making in management, resource availibility ď.

UNIT-911

- Meaning and elements of process planning, controlling the plan and Management Process a.
- evaluating, decision making Planning - Importance, techniques, types of plan O.
 - Controlling the plan in action
 - Phases energizing checking
 - Factors in success of the control step
 - Suitability

- Promptness
- New decisions
- Flexibility
- Supervisions of delegated plan iii.
 - Types of supervision direction and guidance
 - Analysis of supervision
- Evaluation Importance, relationship to goals iv.
 - Types-Informal and formal, overall and detailed
 - Techniques of self-evaluation
 - Evaluation of the whole process of management

Resources in the Family

- Types of resources
- Factors affecting the use of resources

UMIT-IV

introduction

Meaning and definition of ecology and environment, scope of the subject.

as a resource, energy and mineral resources land poliution - sources, domestic waste major health hazards prevention and control.

Water

Problems and issues: Water pollution and scarcity, pollutants - health hazards and their control

Utility of forests and forest resources, deforestation and its impact, forest conservation.

n Air

Composition; air pollutants sources, their health hazards, green house effect

UNITA

Energy

Major sources of energy - alternate energy sources and energy conservation measure.

Habitat and Population

Uncontrolled population growth and its impact, control measures.

Environmental Education

Meaning, need and objectives, highlights, role of government, NGOs and educational institutions, national and international agencies.

Environmental Protection

काल्ल Policies, programmes and legislations ार्ग कार्य

PRACTICALS

ANY EIGHT PRACTICALS

Visit to Air Quality Monitoring unit of the Mucipal Corporation 1.

Visit to water supply station and sewage plant to study the water supply system and Par. the waste water and sewage disposal.

Identify the Food Chain in our daily life. 2.

Study the water cycle and water distribution on earth. 1.

Study the cooling effects of evaporation. 5.

Study the uses of solar energy 6. Practicals of Family resource management of B.H.Sc. Part I of Pt. R.S.S. Uni. Faipur REFERENCES:

Dowdswell, Elizabeth (1997; Salvaging the Earth, Need for Action, p.20-24 2.

English Syllabus

1. Curriculum relevant to Professional Ethics.

Part II classes of all faculties English Language paper II

Poem Sonnet – To Science

Part II classes of all faculties English Language paper II

Lesson 'All Men are Scientist'

Lesson 'Science in Ancient India'

Lesson 'Major Ancient Indian Scientist'

Part III classes of all faculties English Language paper II Lesson 'Communication Education and Information Technology'

Part III classes of all faculties English Language paper II Lesson 'Globalisation and Privatisation'

Part III classes of all faculties English Language paper II Lesson 'The New Economic Policy'

Part III classes of all faculties English Language paper II Lesson 'Management of Change'

Part III classes of all faculties English Language paper II Lesson 'Geo- Economic Profile of Madhya Pradesh'

Part III classes of all faculties English Language paper II Lesson 'J.C.Bose'

Part III classes of all faculties English Language paper II Lesson 'Srinivasa Ramanujan'

Part III classes of all faculties English Language paper II Lesson 'Communication in the Modern Age'

2. Curriculum relevant to Gender Issues.

Lesson Part III classes of all Faculties English language paper 2 'Women And Development'

3. Curriculum relevant to Human values and rights

Part I classes of all faculties English language paper II

Part I classes of all faculties English Language paper II Lesson 'The Ramayana and the Mahabharata'

Part I classes of all faculties English Language paper II Lesson 'Life in Vedic Literature'

Part III classes of all faculties English Language paper II Poem 'The Universality of Religion'

Lesson 'Fundamental Duties'

Lesson 'Acpects of Indian Constitution'

Part III classes of all faculties English Language paper II Poem 'Democratic Decentralisation Basic Quality of Life'

4. Curriculum relevant to Environment and Sustainablity

Part I classes of all faculties English Language paper II Poem 'Tree'

Part I classes of all faculties English Language paper II Lesson 'Where the Mind is Without Fear'

Part I classes of all faculties English Language paper II Lesson 'The Ideals of Indian Art'

Part I classes of all faculties English Language paper II Lesson 'The Wonder That was India'

Part I classes of all faculties English Language paper II Lesson 'The Heritage of Indian Art'

Part III classes of all faculties English Language paper II Poem 'Three Years She Grew'

Part II classes of all faculties English Language paper II

Criteria 1

CURRICULUM RELEVANT TO GENDER, ENVIRONMENT, HUMAN VALUES, PROFESSIONAL ETHICS

BSc final year paper 2

PAPER-II-ECOLOGY AND UTILIZATION OF PLANTS

Plants and environment : Atmosphere (gaseous composition), water (properties of water cycle), UNIT-I light (global radiation, photosynthetically active radiation), temperature, soil (development, soil profiles, physico-chemical properties), and biota.

Morphological, anatomical and physiological responses of plants to water (hydrophytes and xerophytes), temperature (thermoperiodicity), light (photoperiodism, heliophytes and sciophytes)

Community ecology: Community characteristics, frequency, density, cover, life forms, biological UNIT-II spectrum; ecological succession.

Ecosystems: Structure; abiotic and biotic components; food chain, food web, ecological Pyramids, energy flow; biogeochemical cycles of carbon, nitrogen and phosphorus.

UNIT-III Population Ecology: Growth curves; ecotypes; ecades. Biogeographical regions of India. Vegetation types of India: Forests and Grasslands.

UTILIZATION OF PLANTS

UNIT-IV Food plants; Rice, wheat, maize, potato, sugarcane.

Fibres: Cotton and Jute.

Vegetable oils: Groundnut, mustard and coconut.

General account of Sources of firewood, timber and bamboos.

UNITEV spices: General account.

Medicinal plants: General account.

Beverages: Tea and coffee.

Rubber.

Suggested Laboratory Exercises - PHYSIOLOGY

- To study the permeability of plasma membrane using different concentrations of organic solvents. To study of effect of temperature on permeability of plasma membrane.
- To study of effect of temperature of protein and determine the protein content in unknown samples. To study the enzyme activity of catalase and peroxidase as influenced by pH and temperature.
- Separation of chloroplast pigments by solvents method.
- Determining the osmotic potential of vacuolar sap by plasmolytic method.
- Determining the water potential of any tuber.
- Determining the water potential of any tuber.
 Separation of amino acids in a mixture by paper chromatography and their identification by comparison
- Bioassay of auxin, cytokinin, GA. ABA and ethylene using appropriate plant material.
- Bioassay of auxin, cytokinin, GA. ABA and emylene using appropriate plain material.
 Demonstration of the technique of micropropagation by using different explants, e.g. axillary buds,
- 12. Demonstration of the technique of anther culture
- Isolation of protoplasts from different tissues using commercially available enzymes.
- 13. Isolation of protoplasts from different tissues using commercianty accounts on symmetry.
 14. Demonstration of root and shoot formation from the apical and basal portion of stem segments in liquid.

MSc fourth semester paper second

M.Sc. SEMESTER - IV

PAPER - II POLLUTION AND BIODIVERSITY CONSERVATION

MAX.MARKS-80

UNIT-I

CLIMATE, SOIL AND VEGETATION PATTERNS OF THE WORLD:

Life zones, major biomes, major vegetation types and soil types of the world, barren land.

UNIT-II

POLLUTION, CLIMATE CHANGE AND ECOSYSTEMS:

Air, water and soil pollution:- kinds, sources, quality parameters, effects on plants and ecosystem. Green house gases (Caron dioxide, methane, nitrous oxide, Chloro florocarbons: sources, trends and role), ozone layer, ozone hole, consequences of climate change) Carbon dioxide fertilization, global warming, seal level rise, UV radiation).

UNIT-III

BIOLOGICAL DIVERSITY: Concepts and levels, status in India, Utilization and concerns, role of biodiversity in ecosystem functions and stability, speciation and extinction, IUCN categories of threat, distribution and global patterns, terrestrial biodiversity hot spots, inventory.

World centers of primary diversity of domesticated plants; The Indo Burmese center, plant introductions and secondary centers.

UNIT-IV

CONSERVATION STRATEGIES

Principles of conservation, extinctions, environmental status of plants based on International union for conservation of Nature.

In situ conservation, International efforts and Indian initiatives, protected areas in Indiasanctuaries, national parks, biosphere reserves, Wetlands, Mangroves and coral reefs for conservation of wild biodiversity.

Ex situ conservation: Principles and practices, botanical gardens, field gene bank, seed banks, in vitro repositories, cryo banks, general account of the activities of Botanical survey of India (BSI), National Burrau of plant genetic resources (NBPGR), Indian council of Agriculture research (ICAR), Council of scientific and Industrial research (CSIR), and the department of Biotechnology (DBT) for conservation and non formal conservation efforts.

MSc semester third paper two

M.Sc. SEMESTER - III

PAPER - II PLANT ECOLOGY- I

(ECOSYSTEM AND VEGETATION ECOLOGY)

MAX.MARKS-80

ECOSYSTEM ORGANISATION:- Structure and functions, primary production (Methods of measurement, global pattern, controlling factors), Energy dynamics (trophic organization, energy flow pathways, ecological efficiencies), Litter fall and decomposition, (mechanism, substrate quality, and climatic factors), global biogeochemical cycles of C, N, P, and S, mineral cycles (pathways, processes and budgets) in terrestrial and aquatic ecosystems.

ECOSYSTEM STABILITY AND MANAGEMENT

Concept (resistance and resilience), Ecological perturbations (natural and anthropogenic) and their impact on plants and ecosystems, ecology of plant invasion, environment impact assessment, ecosystem restorations. Concept of Sustainable development, sustainability

UNIT-III

VEGETATION ORGANISATION:-

Concepts of community and continuum, analysis of communities (analytical and synthetic characters), Community coefficients, inter specific associations, ordination, and concept of ecological niche.

UNIT-IV

VEGETATION DEVELOPMENT :-

Temporal changes (cyclic and non cyclic), mechanism of ecological succession (relay floristic and initial floristic composition, facilitation, tolerance and inhibition models), change in ecosystem properties during succession.

The second second

REFERENCE BOOKS :

Smith, R.L. 1996. Ecology and field biology, Harper Collins, New York. Odum, E.P. 1971. Fundamentals of Ecology, Saunders, Philadelphia. Odum, E.P. 1983. Basic ecology, Saunders, Philadelphia.

Kormondy, E.J. 1996. Concepts of Ecology, Prentice Hall of India Pvt.Ltd. New Delhi. Moldan, B. and Billharz, S. 1997 Sustainability indicators, John Wiley and Sons, New York.

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MSc semester third paper one

M.Sc. SEMESTER - III PAPER - I PLANT DEVELOPMENT AND PLANT RESOURCES

MAX.MARKS-80

UNIT-I

Introduction: Unique features of plant development. Metabolism of nucleic acids, proteins and mobilization of food reserves, tropisms; control of cell division, Programmed cell death in the life cycle of plants, Seed germination, Hormonal control of Seedling growth. Seed dormancy, Over coming of seed dormancy, Bud dormancy.

Root development: Organization of root apical meristem (RAM), Cell fates and lineages, Vascular tissue differentiation of root, Lateral roots, Root hairs, Root microbe interaction.

UNIT-II

Shoot development: Organization of shoot apical meristem (SAM), Cytological and molecular analysis of SAM. Control of tissue differentiation; especially Xylem and Phloem, Vascular cambium. Secretary ducts and laticifers, Wood development in

UNIT-III

Leaf development: Development, Phyllotaxy, Control of leaf form, Differentiation of epidermis (with special reference to Stomata and Trichome) and Mesophyll cell. Senescence, Influences of hormones and environmental factors on senescence.

Flower development : Floral characteristics, Flower development, Genetics of floral organ differentiation: Homeotic mutant in Arabidopsis and Antirrhinum, Sex

UNIT-IV

Plant resources :Origin, Evolution, Cultivation and Uses of (i) Food, Forage and Fodder crops, (ii) Fiber crops, (iii) Medicinal and Aromatic plants, (iv) Vegetable Oil-yielding Important fire-wood, Timber-yielding plants and Non-wood forest products (NFPs) such as bamboos, gums, tannins, dyes and resins.

Department of Chemistry Bhilai Mahila Mahavidyalaya

M.Sc. IV Semester Paper- CH-22 Environmental and Applied Chemical Analysis

PAPER NO. CH - 22 **ENVIRONMENTAL & APPLIED CHEMICAL ANALYSIS**

Max. Marks 80

HNIT-L

AIR POLLUTION MONITORING AND ANALYSIS

Classification of air pollution monitoring levels, air quality, standards and index, monitoring and analysis of selected air borne pollutants: SO2, NOx, SPM, Volatile organic compounds, Pb, CO2, Persistent organic compounds, Hg, carbon and ozone. Air pollution control devices Viz ESP, scrubber technique, baghouse filters etc. Atmospheric chemistry of acid rains, photochemical smog greenhouse effect, global warming, ozone hole.

UNIT-II

SOIL AND WATER POLLUTION

Soil and water quality standards, monitoring and analysis of selected soil and water contaminants: COD, pesticides, heavy metals, POP's, fluoride, cyanide, nitrate, phosphate, oil & grease, Geobiochemical impact of municipal solid waste, steel plants effluent, domestic sewage. Control devices of water pollutants.

UNIT-III

FOOD ANALYSIS

- 1. Introduction to general constituents of food- Proximate Constituents and their analysis, Additives- Introduction, types, study of preservatives colors and antioxidants and methods of estimation, adulteration - Introduction, types, test
- 2. Introduction of standards composition and analysis of following foods: Wheat, Bread, Biscuits, Jam, Jelly, Honey, Milk, Ice Cream, Butter, Cheese, Milk Powder, Oils and Fats, Tea, Coffee, Soft drinks, Alcoholic beverages, Cereal and pulses, Confectionery, Fruits, Vegetables, Egg, Fish, Meat.

COSMETICS, CLINICAL AND DRUG ANALYSIS

- A. Introduction of Cosmetics, evaluation of cosmetics materials, raw material and additives, Cosmetics colors, Perfumes in cosmetics, Cosmetics formulating, introduction, standards and methods of analysis- Creams, Face powders, Makeup, Shaving preparations, Bath preparations.
- B. Concepts and principles of analytical methods commonly used in the clinical species: i.e. ammonia, Nitrogen, Ca, Cl, CO2, Fe, K, Li, Mg, Na, P, urea, glucose. Method for analysis of proteins (i.e. albumin, bilirubin, creatinine, cholesterol, HDL-cholesterol, triglycerides) and Enzymes (i.e. Alanine Aminotransferase, acid phosphatase, alkaline phosphatase, amylase, aspartate, aminotransferase,

(A. AIRA Tribar) (De C. Borne) (De Seprent Bal) 28.6 5001 paper

1.3.1. Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Gender: B A Part I English Literature

Paper II – 1750 – 1900. UNIT-5 Fiction Jane Austen - Pride and prejudice. b) Wordsworth – Solitary Reaper. Vii) Varieties of Romantic and Victorian Poetry. Viii) The Victorian Novel.

ix. Realism and the Novel.

Human Values:

Paper -I - 1550-1750

UNIT-2 POETRYa) Shakespeare-Sonnet No.1 From Fairest Creatures, SonnetNo.154. The little Love God.b) Milton-How Soon Hath Time the Subtle Thief of Youth...c) John Donne – Sweetest Love I don't go, This is My Play's Last Scene

UNIT-3 POETRYa) John Dryden - Portrait of Shadwell.b) Alexander Pope-From An Essay on Criticism (True case in writing....) and Victor stood subdued by sound.

UNIT-4 PROSEa) Bacon- Of Studies, Of Health, Of Friendship. b) Addison-Sir Roger at Home. c) Steele- Of the Club.

UNIT-5 DRAMA- Shake spear - The Merchant of Venice

UNIT-6 Fiction - Swift - The Battle of the Books.

UNIT-7 Historical and Literary Topics

- i. The Renaissance.
- ii. Humanism.
- iii. Reformation.
- iv. The Restoration.
- v. The Earlier Drama
- vi. Petrachism and the Sonnet Cycle.
- vii. The Influence of Seneca and Classical Dramatic Theory
- viii. The Elizabethan and Jacobeanstage.
- ix. Restoration Drama
- x. The Rise of Periodical Essay

Paper – II – 1750 -1900- UNIT -3- c) Tennyson - Crossing the Bar. d) Browning - Prospice.

UNIT-4 PROSE. a) Lamb - Dream Children: A Reverie. b) Hazlit - On Actors and Acting

UNIT-6 Fiction Charles Dickens - David Copperfield

UNIT-7 Historical and Literary Topics.

i.The Reform Acts.

- iv. Scientific the guts and discoveries
- v. Faith andDoubt.
- vi. Classical and Romantic Concepts of Imagination.
- vii. Varieties of Romantic and VictorianPoetry.
- viii. The VictorianNovel.
- ix. Realism and the Novel.
- x. Aestlheticism.

BA Part – II- English Literature, Paper – II - Modern English Literature (1705)

UNIT-II (Poetry)

a)Sasson - At the Grove of Henry Vaughan..b)Owen, W.H. - Strange Meeting

UNIT-III (Poetry)a). Auden – Seascape. b)Ted Hughes - The Howling of Wolves

UINT-IV (Prose)-a)Robert Lynd – Forgetting. b)H. Belloc - A conversation with A Reader

UNIT-V (Drama)- John Galsworthy - Strife

UNIT-VI William Golding - Lord of the Flies (Fiction)

UNIT-VII 1. Simile 2. Metaphor 3. Alliteration 4. Onomaetopoea 5. Ballad 6. Epic 7. Dramatic Monologuc.

Environment and Sustainability:

Paper – II – 1750 -1900- UNIT-2 POETRY –a) Blake-Tiger, Tiger Burning Bright..b)

Wordsworth - Daffodils and Solitary Reaper. c) Coleridge-Frost at Midnight.

UNIT-3 POETRY- a)Shelley - Ode to a skylark. b) Keats - Ode to Autumn.

UNIT-7 Historical and Literary Topics.

- ii. The Impact of Industrialization.
- iii. Colonialism AndImperialism.
- iv. Scientific the guts and discoveries.

BA Part II English Literature, Paper – I- Modernist English Literature (Paper code -1705)

UNIT – V- J.M. Synge - Riders of the Sea

BA Part II English Literature, Paper – II- Modernist English Literature (Paper code -1706)

UNIT-III (Poetry)

Auden - Seascape

Ted Hughes - The Howling of Wolves