YBN UNIVERSITY

Established by the Act of Government of Jharkhand Act 15, 2017
Gazette Notification No. 505, Dated 17th July 2017
As per Section 2(f) of UGC Act. 1956

B.A. ECONOMICS PROGRAMME

Syllabus for Three Years Bachelor Degree

SUBJECT CODE = 1Y3ECO_UG

RAJAULATU, NAMKUM, RANCHI, JHARKHAND

SCHOOL OF ARTS AND HUMANITIES

ECONOMICS HONOURS PROGRAMME

Syllabus for Three Years Bachelor Degree

SUBJECT CODE = 1Y3ECO_UG

Implemented from the
Academic Year 2021 onwards

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YBN UNIVERSITY

Vision

YBN University envisions to be a global university for Center of Excellence with set standards in education, research, creativity, entrepreneurship and ethical values, overcoming challenges in the service of mankind encompassing equity and productivity.

Mission

With strong belief in the astounding future of our students, YBN University looks forward for theset goals and the actions it undertakes. The following are its key prepositions:

- To disseminate knowledge that transform students into leaders who possess the intellect, aptitude,skill and confidence to succeed in all pursuits of life.
- Develop academic programs that meet the needs of regional, state, national and globalcommunities.
- To create a collaborative environment open to free exchange of ideas, where education, research,creativity and entrepreneurship can flourish.
- Collaborate with other educational and non-educational institutions to achieve mutual goals andexpand student opportunities through internship and placements.
- Provide students/faculties with the richest possible journey of educational development in asupportive and congenial environment.

Values

- **Excellence:** We aim to achieve excellence in all our work, always being principled, considerate and respectful.
- **Diversity:** We value the opportunity to work, learn and develop in a community that embraces the diversity of individuals enhancing multicultural learning junctures.
- **Integrity:** Having a strong belief to act with honesty, courage and trustworthiness, we support an environment of respect among students/faculties/staffs.
- **Ethical:** Having commitment to ethical and responsible behavior in our own actions, we look forward to develop the same in our students.
- **Innovation:** We build strength through innovation into our curriculum, culture, workplace and campus creating an environment with opportunities for growth and change.
- **Resilience:** We change, adapt and transform, also are creative to meet the ever-changing needs of the University and the Society.
- **Commitment:** We sustain a deep allegiance and commitment to the interests of the region and state in which we are based, alongside our national and international efforts, ensuring relevance toall.

School of Arts & Humanities

To provide quality education the School of Arts & Humanities of YBN University creates and disseminates knowledge of human experience, thought and expression that cultivates intellectual breadth, promotes ethical understanding, builds identity and embraces difference. Deeply engaged with the vibrant cultural life of the country and with the citizens of the state of Jharkhand and beyond, we provide unparalled opportunities for global and civic engagement. Students of this school gain specialized and interdisciplinary knowledge of people and their cultures through a diverse and vigorous curriculum, developing skills required for life in civil society and leadership in an emerging global community besides aesthetic and intellectual development.

Fundamental concepts

The learning associated with School of Arts & Humanities shall lead to close understanding of the fundamental concepts of the YBN University.

- Holistic Learning: The curriculum encourages students to establish links between subjects, cultures and other areas of experience and develop wide range of skills.
- Intellectual Awareness: It develops intellectual awareness by exposing students to broader and global context in their studies.
- Communication: School of Arts & Humanities provides students with opportunities to develop their abilities in different forms of communication. To communicate these skills effectively, students develop oral and written communication techniques simultaneously. These techniques include speech writing and presentation, information gathering, document production (essays, reports etc), representation using maps, models, diagrams, tables and graphs, and techniques required to work effectively in group situation.

Strategic Goals

- Produce students whose knowledge and skills prepare them to lead their fields and equip them for local and global citizenship. Students will be able to employ concepts and terminology of the discipline in appropriate contexts.
- Illustrate how the Arts & Humanities are critical to a knowledgeable democratic citizen and problem solving in a diverse society.
- Expand and enhance both physical and virtual spaces to promote robust and collaborative intellectual communities and facilitate increased interaction between faculties, students and staff across the campus and beyond.

Contents

COURSE STUCTURE FOR UNDERGRADUATE ‘**HONOURS**’ PROGRAMME

Table AI-1:Distribution of 140 Credits[*wherever there is a practical there will be no tutorial and vice –versa.]

Course Theory + Practical	**Papers**	**Credits** Theory + Tutorial	**Credits**
I. Core Course	**(CC 1 to 14)**		
Theory	14 Papers	14X4=56	14X5=70
Practical/Tutorial*	14 Papers	14X2=28	14X1=14
II. Elective Course (EC)			
A.Discipline Specific Elective	**(DSE1to4)**		
Theory	4 Papers	4X4=16	4X5=20
Practical/ Tutorial*	4 Papers	4X2=8	4X1=4
B.Generic Elective/ Interdisciplinary	**(GE1to4)**		
Theory	4 Papers	4X4=16	4X5=20
Practical/ Tutorial*	4 papers	4X2=8	4X1=4
III. Ability Enhancement Compulsory Courses (AECC)			
1. English/ Hindi Communication/ NH+MB/ Business Communication for Commerce	1 Paper	1X2=2	1X2=2
2. Environmental Science	1 Paper	1x2=2	1x2=2
3. Skill Enhancement Course of the Core Course opted	**(SEC 1& 2)** 2 Papers	2X2=4	2X2=4
		Total Credit = 140	**= 140**

Table AI-1.1: Course structure for B.Sc./ B.A./ B.Com.(Hons. Programme)

Semester	**Honours (Core Courses) 14 Papers**	**Allied (Elective Courses) 8 Papers**	**Ability Enhancement (Compulsory Courses) 4 Papers**	**Total Credits**
Sem-I	C-1, C-2 (6+6=12 Credits)	GE-1 (06 Credits)	Eng Comm./ MIL/ MIL+NH (02 Credits)	**20 Credits**
Sem-II	C-3, C-4 (6+6=12 Credits)	GE-2 (06 Credits)	EVS (02 Credits)	**20 Credits**
Sem-III	C-5, C-6, C-7 (6+6+6=18 Credits)	GE-3 (06 Credits)	SEC-1 (02 Credits)	**26 Credits**
Sem-IV	C-8, C-9, C-10 (6+6+6=18 Credits)	GE-4 (06 Credits)	SEC-2 (02 Credits)	**26 Credits**
Sem-V	C-11, C-12 (6+6=12 Credits)	DSE-1, DSE-2 (6+6=12 Credits)		**24 Credits**
Sem-VI	C-13, C-14 (6+6=12 Credits)	DSE-3, DSE-4 (6+6=12 Credits)		**24 Credits**

Total = 140 Credits

COURSES OF STUDY FOR UNDERGRADUATE **‘B. A. Hons’** PROGRAMME

Table AI-2 Subject Combinations allowed for B. A. Hons. Programme (140 Credits)

Honours/Core Subject **CC** **14 Papers**	Discipline Specific Elective Subject **DSES** **4 Papers**	Skill Enhancement Course **SEC** **2 Papers**	Compulsory Course **AECC** **1+1=2 Papers**
Economics	Economics Specific	SEC in Economics	Language Communication + EVS

Table AI-2.1 Semester wise Examination Structure for Mid Sem & End Sem Examinations:

Sem	Core Honours, Allied DSE, Compulsory AECC Courses		Examination Structure		
	Code	**Papers**	**Mid Semester Theory (F.M.)**	**End Semester Theory (F.M.)**	**End Semester Practical/ Viva (F.M.)**
I	1Y3ECO(C1)	Micro Economics I	30	70	
	1Y3ECO(C2)	Money and Banking	30	70	
	1Y3...(GE1)	Elective Course	30	70	
	1Y3AECC(CL)	(Language Paper) Hindi / English	30	70	
II	1Y3ECO(C3)	Macro Economics I	30	70	
	1Y3ECO(C4)	Indian Economics	30	70	
	1Y3...(GE2)	Elective Course	30	70	
	1Y3AECC(EVS)	EVS	30	70	
III	1Y3ECO(C5)	Micro Economics II	30	70	
	1Y3ECO(C6)	Statistical Methods in Economics	30	70	
	1Y3ECO(C7)	Macro Economics II	30	70	
	1Y3...(GE3)	Elective Course	30	70	
	1Y3SEC1	Financial Economics	30	70	
IV	1Y3ECO(C8)	Mathematical Methods for Economics	30	70	
	1Y3ECO(C9)	International Economics	30	70	
	1Y3ECO(10)	Economic Dev.& Policies in India	30	70	
	1Y3...(GE4)	Elective Course	30	70	
	1Y3SEC2	Demography	30	70	
V	1Y3ECO(C11)	Growth and Development	30	70	
	1Y3ECO(C12)	History of Economic Thought	30	70	
	1Y3ECO(DSE1)	Either Group ‘A’ or ‘B’ 1A Advance Mathematical Economics or 1B Economics of Agriculture	30	70	
	1Y3ECO(DSE2)	2A Economics of Health & Education or 2B Jharkhand Economy	30	70	
VI	1Y3ECO(C13)	Public Finance	30	70	
	1Y3ECO(14)	Environmental Economics	30	70	
	1Y3ECO(DSE3)	3A Elementary Econometrics or 3B Agricultural Problems of India	30	70	
	1Y3ECO(DSE4)	4A Industrial Economics or 4B Economics of Labour	30	70	

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

Discipline Specific Elective (DSE) Course: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).

Dissertation/Project: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.

Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.

P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

3. **Ability Enhancement Courses(AEC):** The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement; i. Environmental Science and ii. English/MIL Communication.
These are mandatory for all disciplines. SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

Ability Enhancement Compulsory Courses (AECC): Environmental Science, English Communication/MIL Communication.

Skill Enhancement Courses (SEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

Introducing Research Component in Under-Graduate Courses

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective

Semester I

1Y3ECO(C1)

Micro Economics- 1

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit I: Introduction

: Subject Matter of Economics
: Nature and Scope of Economics: Micro and macro Economics; Positive and Normative Economics; Dynamic and Comparative Static Economics.
: Methodology in Economics: Deductive and Inductive Methods.
: Central Economic Problems: Scarcity and Choice; Production Possibility Frontier [PPF].

Unit 2: Consumer Behaviour and Demand

: Cardinal Utility Analysis: Total and marginal Utility; Law of Diminishing Marginal Utility; Law of Equi-Marginal Utility; Consumer’s Equilibrium.
: Ordinal Utility Analysis: Indifference Curves; Budget Constraints; Consumer’s Equilibrium.
: Price Effect: Substitution Effect [Hicks and Slutsky]; Income Effect.
: Income Consumption Curve [ICC} and Price Consumption Curve [PCC}; Normal, Inferior and Giffen Goods.
: Consumer’s Surplus: Marshall and Hicks.
: Theory of Demand: Derivation of Demand Curve under Cardinal and Ordinal Theories; Law of Demand; Factors Influencing Demand; Changes in Demand and Engels’ Curve; Elasticity of Demand; Price; Income and Cross Elasticities.

Unit 3: Theory of Production

3.1 : Production Function: Short Run and Long Run.
3.2: Low of Variable Proportions;
: Returns to Scale: Economies of Scale.
: Cobb-Douglas Production Function: It’s Properties.
: Isoquant Analysis; Iso-Cost Line; Producer’s Equilibrium; Production Decision and Expansion Path.

Unit 4: Theory of Costs and Revenue

4.1: Concepts of Costs and their inter-relationship: Short Run and Long Run.
4.2: Concepts of Revenue and their inter-relationship; Break-Even Analysis.

Semester I

1Y3ECO(C2)

Money and Banking

Full Marks – 70 **Time – 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Money

: Money: Meaning and Function: Role of Money in Capitalistic, Socialistic and Mixed Economies.

: Quantity Theory of Money: Cash Transactions Approach and Cash Balance Approach.

: Keynesian Theory of Money and Prices.

Unit 2: Central Banking

: Objectives, Functions and Limitations of Central Bank with reference of RBI.

: Supply of Money: Concept, Components and Aggregates; Money Multiplier.

2.3: Quantitative and Qualitative Methods of Credit Control.

2.4: Objectives, Functions and Limitations of Money Market: Developed and Developing with special reference to India.

Unit 3: Commercial Banking

: Meaning, Types, Functions and Principles of Commercial Banks.

: Structure and Balance Sheet of a Commercial Bank; Assets and Liabilities. 3.3: Process of Credit Creation.

3.4: Commercial Banking in India: Evaluation of Banking Sector since Independence; Critical Appraisal of Commercial Banking after Nationalization; Recent Banking Reforms.

Unit 4: Financial Markets

: Banking System; Bond Market; Foreign Exchange Market; Equity Market – Concepts.

: Introduction to the Concept of Derivatives.

4.3: Futures; Options; Call/Put.

Semester I

1Y3...(GE1) **Elective Course**

An Elective Course will be chosen by the students from an unrelated discipline/ subject. Student will opt a core paper/subject other than economics being thought in the college, such as

1. Mathematics
2. Statistics
3. History
4. Political science
5. Psychology/ Geography
6. English/Hindi
7. Anthropology/Sociology

   Or any other paper.

COURSES OF STUDY FOR **ABILITY ENHANCEMENT COMPULSORY COURSE(AECC)** IN **"ENGLISH"**

SEMESTER I **ENGLISH COMMUNICATION** **[1Y3AECC(LC)]**

I. ENGLISH COMMUNICATION

UNIT 1
Communication – Definition, stages, barriers, types: verbal and non-verbal, Listening- Meaning, Nature and importance, Principles of Good Listening.

UNIT 2
Class-presentation (Oral for five minutes) on any of the above-mentioned topics: Descriptive writing, expansion of an idea.

UNIT 3
Writing skills –, notice writing, advertisement writing, précis writing, essay writing, letter writing (applications), and Business letter formats (letters of enquiry, replies and complaints), resume writing, covering letter

UNIT 4
Vocabulary building: One word substitution, synonyms and antonyms, idioms and phrases

Suggested Readings:

1. Technical Communication, M.H. Rizvi, Tata McGraw hill
2. Effective Business Communication, Asha Kaul
3. Developing Communication Skills, Krishnamohan
4. Functional Grammar and Spoken and Written Communication in English, Bikram K. Das, Orient Blackswan
5. Precis, Paraphrase and Summary,P.N. Gopalkrishnan, Authors Press • Communication Skills, Sanjay Kumar and Pushplata, Oxford Publication

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OR

MIL HINDI COMMUNICATION

इकाई-1

हिन्दीव्याकरण और रचना, संज्ञा, सर्वनाम, विशष्◌े◌ाण, क्रिया, अव्यय, कारक, वचन, सं◌िध,उपसर्ग, प्रत्यय तथासमास, लिंगनिर्णय, पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द,शब्द शुद्धि, वाक्य शुद्धि, मुहावरेऔरलोकोक्तिया,◌ं पल्लवन एवं संक्षेपण।

इकाई-2

निबंध कलातथासमसामयिक एवंराष्ट्रीय विषयां◌ेपरनिबध्◌ंालेखन

इकाई-3

संप्रेषण (संचार) -सपं◌्रेषण की अवधारणऔरमहत्व, संप्रष्◌े◌ाण के लिए आवश्यक शर्त◌े, संप्रष्◌े◌ाण के प्रकार, संप्रेषणकामाध्यम, संप्रेषणकला, संप्रेषण की तकनीक, वाचनकला, समाचारवाचन, साक्षात्कारकला, रचनात्मकलेखनका लक्ष्य, रचनात्मक लख्◌े◌ानकाआधार, भावऔरविचारोंकीप्रस्तुति, वाक् कला की उपयोगिता।

अनुशंसितपुस्तकें:-

- वृहतव्याकरणभास्कर ◌ः डा◌ॅ0 वचनदेवकुमार
- वृहतनिबध्◌ंाभास्कर डा◌ॅ0 वचनदवेकुमार
- आधुनिकहिन्दीव्याकरणऔररचना ◌ः डा◌ॅ0 वासुदेवनन्दनप्रसाद
- रचनामानस ◌ः प्रो0 रामेश्वरनाथतिवारी
- व्यवहारिकहिन्दी ◌ः डा◌ॅ0 जंग बहादुरपाण्डेय
- रचनात्मकलेखन ◌ः डा◌ॅ0 रमश्◌े◌ागौतम
- राजहंसहिन्दीनिबंध ◌ः प्रो0 आर0 एन0 गौड़
- सफलहिन्दीनिबंध ◌ः रत्नेश्वर
- निबंध सहचर ◌ः डा◌ॅ0 लक्ष्मणप्रसाद
- उपकारमुहावरेऔरलाकोक्तियाँ ◌ः पा्रे0 राजेश्वरप्रसादचतर्वु◌ेदी
- कहानियोंकहावतां◌ेकी ◌ः प्रतापअनम
- सम्प्रेषणपरकहिन्दीभाषाशिक्षणः डा◌ॅ0 वैश्नानारंग
- शैलीविज्ञान ◌ः डा◌ॅ0 सुरेशकुमार
- शैलीविज्ञानप्रतिमानऔरविश्लेषणः डा◌ॅ0 पाडं ये शशिभष्◌ू◌ाण ‘शीताश्◌ं◌ा◌ु’
- शैलीविज्ञानकाइतिहास ◌ः डा◌ॅ0 पाडं ◌ेय शशिभष्◌ू◌ाण ‘शीताश्◌ं◌ा◌ु’

SEMESTER I **NH + ALTERNATE ENGLISH** **1 Paper**

Total 50+50 = 100 Marks

II. NH + MB COMMUNICATION

(NON-HINDI + MATRI BHASHA COMMUNICATION)

अहिन्दी + मातृभषा संप्रेषण (संचार) ;क्रेडिटरू सैद्धान्तिक 01 + 01 = 02

[A] NON-HINDI COMMUNICATION

अहिन्दी संप्रेषण (संचार) ;क्रेडिटरू सैद्धान्तिक -01)

प्रश्न पत्र के लिए निर्देश *छमाही परीक्षा :*

*प्रश्नों के दो समूह होंगे। **खण्ड 'A' अनिवार्य** है जिसमें **लघु उत्तरीय** 5 अंक का दो प्रश्न होगा। **खण्ड 'B'** में तीन में से किन्हीं दो 20 अंकों के **विषयनिष्ठ/ वर्णनात्मक प्रश्नों** के उत्तर देने होंगे।*

नोट : सैद्धान्तिक परीक्षा में पूछे गए प्रत्येक प्रश्न में उप-विभाजन हो सकते हैं।

हिन्दी व्याकरण एवं संप्रेषण **सैद्धान्तिक: 15 व्याख्यान इकाई-1 हिन्दी**

व्याकरण और रचना,

संज्ञा, सर्वनाम, विशेषण, क्रिया, अव्यय, कारक, वचन, संधि,उपसर्ग, प्रत्यय तथा समास, लिंग निर्णय, पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द, शब्द शुद्धि, वाक्य शुद्धि, मुहावरे और लोकोक्तियां, पल्लवन एवं संक्षेपण।

इकाई –2 संप्रेषण (संचार)

–संप्रेषण की अवधारणा और महत्व, संप्रेषण के लिए आवश्यक शर्तें, संप्रेषण के प्रकार, संप्रेषण का माध्यम, संप्रेषण कला, संप्रेषण की तकनीक, वाचन कला, समाचार वाचन, साक्षात्कार कला, रचनात्मक लेखन का लक्ष्य, रचनात्मक लेखन का आधार, भाव और विचारों की प्रस्तुति, वाक कला की उपयोगिता।

अनुशंसित पुस्तकें :-

वृहत व्याकरण भास्कर	: डॉ0 वचनदेव कुमार
वृहत निबंध भास्कर	: डॉ0 वचनदेव कुमार आधुनिक हिन्दी
व्याकरण और रचना	: डॉ0 वासुदेव नन्दन प्रसाद रचना
मानस	: प्रो0 रामेश्वर नाथ तिवारी
व्यवहारिक हिन्दी	: डॉ0 जंग बहादुर पाण्डेय
रचनात्मक लेखन	: डॉ0 रमेश गौतम
राजहंस हिन्दी निबंध	: प्रो0 आर0 एन0 गौड़
सफल हिन्दी निबंध	: रत्नेश्वर
निबंध सहचर	: डॉ0 लक्ष्मण प्रसाद
उपकार मुहावरे और लोकोक्तियां	: प्रो0 राजेश्वर प्रसाद चतुर्वेदी
कहानियां कहावतों की	: प्रताप अनम
सम्प्रेषण परक हिन्दी भाषा शिक्षण	: डॉ0 वृश्ना नारंग
शैली विज्ञान	: डॉ0 सुरेश कुमार
शैली विज्ञान प्रतिमान और विश्लेषण	: डॉ0 पाण्डेय शशिभूषण 'शीतांशु' शैली विज्ञान का
इतिहास	: डॉ0 पाण्डेय शशिभूषण 'शीतांशु'

[B] MATRI BHASHA COMMUNICATION

[C] मातृभषा संप्रे ा (संचार) **Marks : 50 (ESE 1.5 Hrs) = 50** (क्रेडिटरू सैद्धान्तिक -01)

[B 1] BENGALI COMMUNICATION OR

[B 2] SANSKRIT COMMUNICATION OR [B 3] URDU COMMUNICATION OR

[B 4] TRL COMMUNICATION OR

[B 5] ALTERNATE ENGLISH

ALTERNATE ENGLISH

Unit I: Novel

1. The English Teacher (R.K. Narayan)

Unit II: Poetry

1. Stopping by words on a Snowy Evening (Robert Frost)
2. A slumber did My Sprit Seal (William Woodworth)
3. My Native Land (H.L.V. Derozio)
4. The Night of Scorpion (Nissim Ezekiel)
5. Break, Break, Break (A.L. Tennyson)
6. Starlit Night (G.M. Hopkins)

Unit III: Grammar

1. Common Errors
2. Fill up the blanks with prepositions.
3. One word substitution.

<u>Suggested Reading:</u>

1. A String of Poems (Edited by: S.M.P.N. Singh Sashi and A.B.Sharan)
2. The Winged Word (Edited by: David Green)

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Semester II

1Y3ECO(C3)

Macro Economics–I

Full Marks - 70 **Time - 3 Hrs.**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Course Description

This course introduces students to the basic concepts in Macroeconomics. Macroeconomics deals with the aggregate economy. In this course the students are introduced to the definition, measurement of the macroeconomic variables like GDP, consumption, savings, investment and balance of payments. The course also discusses various theories of determining GDP in the short run.

1. Introduction

What is macroeconomics? Macroeconomic issues in an economy.

2. National Income Accounting

Concepts of GDP and National Income; measurement of national income and related aggregates; nominal and real income; limitations of the GDP concept.

3. Determination of GDP

Actual and potential GDP; aggregate expenditure; consumption function; investment function; equilibrium GDP; concepts of MPS, APS, MPC, APC; autonomous expenditure; Concept of multiplier.

4. National Income Determination in an Open Economy with Government

Fiscal Policy: impact of changes in government expenditure and taxes; net exports function; net exports and equilibrium national income.

5. Money in a Modern Economy

Concept of money in a modern economy; monetary aggregates; demand for money; quantity theory of money; liquidity preference and rate of interest; money supply and credit creation; monetary policy.

Readings:

1. Case, Karl E. & Ray C. Fair, *Principles of Economics*, Pearson Education, Inc., 8th edition, 2007.
2. Sikdar, Shoumyen, *Principles of Macroeconomics*, 2nd Edition, Oxford University Press, India

Semester II

1Y3ECO(C4)

Indian Economics

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Structure of Indian Economy

: Basic Features of Indian Economy

: Natural Resources: Land, Water and Forest Resources.

: Broad Demographic Features: Population Size, Structure [Sex and Age]; Characteristics; Change in Population; Rural-Urban Migration; Occupational Distribution; Problem of Over-Population; Population Policy.

Unit 2: Problems and Planning in India

2.1 : Poverty and Inequality;

2.2: Problem of Unemployment;

2.3: Problem of Rising Prices;

: Objectives, Strategy, Achievements and Failures of Planning in India; Analysis of Current Five Year plan.

: New Economic Reforms: Liberalization, Privatization, Globalization and its progress.

Unit 3: Agriculture and Industry

: Nature and Importance of Agriculture: Trends in Agricultural Production and Productivity; Factors Affecting Productivity.

: Land Reforms.

: New Agricultural Strategy, Green Revolution and Agricultural Reforms after 1991.

: Rural Credit and Agricultural Marketing. 3.5:
Industrial Policies of 1948, 1956 and 1991.

: Large Scale Industries: Present Position and Problems of Sugar, Iron and Steel, Jute and Cotton Textile Industries.

: Cottage and Small Scale Industries: Growth, Importance and Problems.

Unit 4: External Sector and Economics of Jharkhand

: Role of Foreign Trade.

: Composition and Direction of India's Foreign trade and FDI.

4.3: Basic Features of Jharkhand Economy.

: Mineral and Forest Resources.

4.6: Agriculture in Jharkhand.

Semester II

1Y3...(GE2)

An Elective Course will be chosen by the students from an unrelated discipline/ subject. Student will opt a core paper/subject other than economics being thought in the college, such as

1. Mathematics
2. Statistics
3. History
4. Political science
5. Psychology/ Geography
6. English/Hindi
7. Anthropology/Sociology

   Or any other paper.

ENVIRONMENTAL STUDIES

Unit 1 : Introduction to environmental studies

Multidisciplinary nature of environmental studies;
Scope and importance; Concept of sustainability and sustainable development.

Unit 2 : Ecosystems

What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems :

Forest ecosystem
Grassland ecosystem
Desert ecosystem
Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 3 : Natural Resources : Renewable and Non-- renewable Resources

Land resources and landuse change; Land degradation, soil erosion and desertification.
Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
Water : Use and over-- exploitation of surface and ground water, floods, droughts, conflictsover water (international & inter-- state).
Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Unit 4 : Biodiversity and Conservation

Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
India as a mega-- biodiversity nation; Endangered and endemic species of India
Threats to biodiversity : Habitat loss, poaching of wildlife, man-- wildlife conflicts, biologicalinvasions; Conservation of biodiversity : In-- situ and Ex-- situ conservation of biodiversity.

Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit 5 : Environmental Pollution

Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution

Nuclear hazards and human health risks

Solid waste management : Control measures of urban and industrial waste.

Pollution case studies.

Unit 6 : Environmental Policies & Practices

Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture

Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).

Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

Unit 7 : Human Communities and the Environment

Human population growth: Impacts on environment, human health and welfare.

Resettlement and rehabilitation of project affected persons; case studies.

Disaster management : floods, earthquake, cyclones and landslides.

Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan.

Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.

Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

Unit 8 : Field work

Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.

Visit to a local polluted site-- Urban/Rural/Industrial/Agricultural.

Study of common plants, insects, birds and basic principles of identification.

Study of simple ecosystems-- pond, river, Delhi Ridge, etc.

Suggested Readings:

1. Raziuddin, M.., Mishra P.K. 2014, *A Handbook of Environmental Studies*, Akanaksha Publications, Ranchi.
2. Mukherjee, B. 2011: *Fundamentals of Environmental Biology*.Silverline Publications, Allahabad.
3. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
   Syllabus prepared by Dr. Arti Gupta
4. Gadgil, M., & Guha, R.1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
5. Gleeson, B. and Low, N. (eds.) 1999.*Global Ethics and Environment*, London, Routledge.
6. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
7. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll.*Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
8. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36--- 37. McCully, P. 1996. *Rivers no more: the environmental effects of dams*(pp. 29--- 64). Zed Books.
9. McNeill, John R. 2000. Something New Under the Sun: An Environmental History of the Twentieth Century.
10. Odum, E.P., Odum, H.T. & Andrews, J. 1971.*Fundamentals of Ecology*. Philadelphia: Saunders.
11. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic Press.
12. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
13. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012.*Environment*. 8th edition. John Wiley & Sons.
14. Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental law and policy in India*. *Tripathi 1992*.
15. Sengupta, R. 2003. *Ecology and economics*: An approach to sustainable development. OUP.
16. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
17. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology*: *Voices from the Tropics*. John Wiley & Sons.
18. Thapar, V. 1998. *Land of the Tiger*: *A Natural History of the Indian Subcontinent*.
19. Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
20. Wilson, E. O. 2006.*The Creation: An appeal to save life on earth*. New York: Norton.
21. World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University

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Semester III

1Y3ECO(C5)

Micro Economics – II

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Market Structure

: Forms of Market: perfect and Imperfect Markets: Salient Features.

: Equilibrium of the Firm and Industry [Short Run and Long Run] under Perfect Competition; Derivation of Supply Curve.

: Monopoly: Price and Output Determination [Short Run and Long Run]; Price Discrimination;

: Monopolistic Competition: Price and Output Determination (Individual and Group Equilibrium); Importance of Selling Costs.

: Oligopoly: Kinked Demand Curve Theory.

Unit 2: Factor Pricing

2.1: Marginal Productivity Theory of Distribution; Adding-Up Problem [Euler's Theorem].

2.1: Theories of Wage determination: Demand and Supply Theory; Collective Bargaining.

: Rent: Ricardian and Modern Theory.

: Interest: Classical and Keynesian Theories.

: Profit: Innovation, Risk and Uncertainty Theories.

Unit 3: Welfare Economics

3.1: Concept of Welfare: Value Judgement; Problems in Measuring Welfare.

3.2: Classical Welfare Economics: Pigou.

3.3: Pareto's Criterion of Measuring Welfare;

Semester III

1Y3ECO(C6)

Statistical Methods in Economics

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Introduction to Statistics

: Basic Concepts: Population and Sample, Parameter, Statistic, Primary and Secondary Data.

: Classification and Tabulation.

: Diagrammatic and Graphical Representation of Data.

Unit 2: Central Tendency and Dispersion

: Measures of Central Tendency: Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean.

: Measures of Dispersion: Mean Deviation, Quartile Deviation, Standard Deviation, Coefficient of Variation.

: Measures of Skewness.

Unit 3: Correlation and Regression

: Correlation; Coefficient of Correlation – Karl Pearson and Rank Correlations.

: Regression Analysis: Linear Regression; Interpretation of Regression Coefficients.

Unit 4: Time Series and Index Numbers

: Time Series Analysis: Concept; Components; Least Square Method of Determination of Trend.

: Index Numbers: Concept; price relative; quantity relative; weighted index number.

: Methods of Construction of Index Numbers: Laspeyre, Paasche and Fisher.

: Tests for Adequacy of Index Number.

Unit 5: Probability

: Probability: Concept.

: Rules of Probability: Addition and Multiplication Theorems.

Semester III

1Y3ECO(C7)

Macro Economics - II

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: National Income and Social Accounting

: Concept of Circular Flow
: Concept and Measurement of National Income
1.3: Concept of Social Accounting
1.4: Environmental Concerns in National Income; Green Accounting.

Unit 2: Theory of Output and Employment

: Say's Law of Market and Classical Theory of Employment: Critical Analysis and Keynes' Objections.
: Consumption Function and Savings Function: APC; MPC; APS and MPS; Factors Affecting Consumption Function; Psychological Law of Consumption.
: Investment Function: Autonomous and Induced Investment; MEC and Rate of Interest.
: Principle of Effective Demand: Equality and Equilibrium of AD/AS and S/I; Paradox of Thrift.
: Investment Multiplier and its Effectiveness in Less Developed Countries.
2.6: Theory of Acceleration.

Unit 3: Trade Cycles

3.1: Nature and Characteristics of Trade Cycle.
3.2: Hawtrey's Monetary Theory of Trade Cycle.
3.3: Hayek's Over-Investment Theory of Trade Cycle.
3.4: Keynesian Views on Trade Cycle.

Unit 4: Inflation

4.1: Definition, Types, Causes and Effects of Inflation.
4.2: Measures to Control Inflation.
4.3: Concept of Inflationary Gap.

Semester III

1Y3SEC1

FINANCIAL ECONOMICS

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Course Description

This course introduces students to the economics of finance. The course does not require any prior knowledge of economics. This course should be accessible to anyone with an exposure to elementary mathematics. The course is designed to impart the essential aspects of financial asset valuation. The students will be introduced to numerical techniques in finance using spreadsheet programmes such as Microsoft Excel. The course will impart skills that will be useful in a variety of business settings including investment banks, asset management companies and in the field of financial and business journalism.

Course Outline

1. Deterministic cash-flow streams

Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunisation; the term structure of interest rates; yield curves; spot rates and forward rates.

2. Single-period random cash flows

Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: the Markowitz model and the two-fund theorem; risk-free assets and the one-fund theorem.

3. Capital Asset Pricing Model (CAPM)

The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula.

Readings

1. David G. Luenberger, *Investment Science*, Oxford University Press, USA, 1997.
2. Richard A. Brealey and Stewart C. Myers, *Principles of Corporate Finance*, McGraw-Hill, 7th edition, 2002.
3. Burton G. Malkiel, *A Random Walk Down Wall Street*, W.W. Norton & Company, 2003.
4. Simon Benninga, *Financial Modeling*, MIT Press, USA, 1997.

Semester IV

1Y3ECO(C8)

Mathematical Methods for Economics

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Basic Concepts

: Set Theory: Concepts and set operations.

: Variables and Functions; Equations and Systems of Equations; 1.3: Elements of Coordinate Geometry: Straight Line.

1.4: Homogeneous Functions.

Unit 2: Calculus

2.1: Concept of Limit and Differentiation [Simple and Partial] of a Function.

2.2: Maxima and Minima; Its applications in Economics.

: Pricing under Monopoly and Perfect Competition.

: Inter-Relationships among Total, Marginal and Average Cost and Revenues.

: Integration of a Function: Definite and Indefinite.

: Economic Applications of Integrals: Obtaining Total Function from Marginal Function: Revenue, Cost and Product; Consumer's Surplus.

Unit 3: Matrix and Determinants

3.1: Various Types of Matrices.

3.2: Matrix Operations.

: Determinants.

: Inverse of a Matrix.

3.5: Cramer's Rule.

Semester IV

1Y3ECO(C9)

International Economics

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Scope of International Economics

1.1: International Economics: Definition, Nature and Importance.

1.2: Gains from Trade: Their Measurement and Distribution.

1.3: Comparative Cost Advantage [Ricardian] and Heckcher-Ohlin Theory of International Trade.

Unit 2: International Trade Policy

: Free Trade vs. Protection.

: Methods of Trade Restriction: Tariff and Quotas - Their Impact.

Unit 3: Foreign Exchange

: Exchange Rate Determination: Gold Standard [Mint Parity]; Purchasing Power Parity Theory.

: Devaluation and Appreciation of currency.

Unit 4: Balance of Trade and Balance of Payment

4.1: Concepts and Components of Balance of Trade and Balance of Payment.

4.2: Equilibrium and Disequilibrium in Balance of Payment; Consequences of Disequilibrium in Balance of Payment; Measures to Correct Deficit in Balance of Payment.

Unit 5: International Financial Institutions and India

: Functions of IMF; World Bank; WTO with reference to India.

: Balance of Payment Crisis; Need and Importance of Foreign Capital.

Semester IV

1Y3ECO(10)

Economic Development and Policy in India–I

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Course Description

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post-Independence period.

Course Outline

1. Issues in Growth, Development and Sustainability

2. Factors in Development

Capital formation (Physical and Human); technology; institutions.

3. Population and Economic Development

Demographic trends; urbanisation.

4. Employment

Occupational structure in the organised and the unorganised sectors; open-under and disguised unemployment (rural and urban); employment schemes and their impact.

5. Indian Development Experience

Critical evaluation of growth, inequality, poverty and competitiveness, pre and post reforms era; savings and investment; mobilisation of internal and external finance; monetary and fiscal policies; centre-state financial relations.

Readings:

1. Michael P Todaro and Stephen Smith. *Economic Development*, Pearson, 11th edition(2011).
2. Uma Kapila, *Indian Economy since Independence*, Academic Foundation, 19th edition (2009).
3. United Nations Development Programme, *Human Development Report 8 2010*, Palgrave Macmillan (2010).
4. Government of India, *Economic Survey* (latest)
5. Government of India, *Five Year Plan* (latest)
6. Government of India, *Finance Commission Report* (latest)

Semester IV

1Y3...(GE4)

An Elective Course will be chosen by the students from an unrelated discipline/ subject. Student will opt a core paper/subject other than economics being thought in the college, such as

1. Mathematics
2. Statistics
3. History
4. Political science
5. Psychology/ Geography
6. English/Hindi
7. Anthropology/Sociology

   Or any other paper.

1Y3SEC2 **Semester IV**

DEMOGRAPHY

Full Marks – 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Techniques of Analysis

: Crude Birth and Death Rates; Age-specific Birth and Death Rates; Standardized Birth and Death Rates: Concepts, Relative Merits and Demerits.

: Study of Fertility: Concepts of Total Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate; Their Relative Merits and Demerits; Factors Affecting Fertility.

: Marriage and Marital Status: Concept and Measurement. 1.4: Reproductive and Child Health [RCH] in India.

Unit 2: Population Projection

: Meaning, Types and Uses of Population Projection.

: Techniques of Population Projection: Their Relative Merits and Demerits. 2.3: Concept of Stationary, Stable and Quasi-Stationary Population.

: Ageing of Population: Concept, Status and Assessment with reference to India.

: Changes in Family Structure and Old Age Security in India.

Unit 3: Population Policy of India

: Evolution of Population Policy in India.

: New National Population Policy: Assessment.

: Family Planning and Family Welfare Programme: Achievements and Failures; Shift from Population Control to Family Welfare and Women Empowerment.

: Demographic Status and Household Behaviour: Education, Women’s Autonomy and Fertility; Population; Health; Poverty and Environment Linkage.

: Salient Features of Recent Census.

Semester – V

1Y3ECO(C11)

GROWTH AND DEVELOPMENT

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit1:IntroductiontoEconomicGrowthandDevelopment 1.1:
Economic Growth and Development: Concepts and Contrasts. 1.2:
Factors Affecting Economic Growth.
1.3: Development and Under-Development; Obstacles to Under-Development.
1.4: Concept of Poverty Line.
1.5: Theory of Demographic Transition.
1.6: Capital Formation.

Unit 2: Theories of Growth and Development
2.1: Classical Theories of Development: Adam Smith and David Ricardo.
2.2: Harrod-Domar Growth Model.
2.3: Schumpeter and Capitalistic Development.
2.4: Lewis Model.
2.5: Rostow's Model of Growth.

Unit 3: Macro Economic Policy and Economic Development
: Role of Monetary and Fiscal Policies in Developing Countries, including India.
: External Resources: FDI, AID vs. Trade; Technology Inflow, MNC activity in India.

Semester – V

1Y3ECO(C12)

History of Economic thought

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Early Period

: Mercentalism.

: Physiocracy.

Unit 2: Development of Classical Economics

: Adam Smith: Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, Economic Progress.

: David Ricardo: Value, Theory of Rent, Distribution, Ideas on Economic Development and International Trade.

: T.R.Malthus: Theory of Population, Theory of Gluts.

: Karl Marx: Dynamics of Social Change, Theory of Value, Surplus Value, Profit and Ciris of Capitalism.

: J.B.Say: Economic Ideas.

Unit 3: The Marginalist Revolution

: Jevons and Walrus.

: Neo-Classical Thought: Alfred Marshall.

Unit 4: the Keynesian Revolution

4.1: Economic Ideas of J. M. Keynes.

Unit 5: Indian Economic Thought 5.1:
Economic Ideas of Mahatma Gandhi. 5.2:
Economic Ideas of Amartya Sen.

Semester V

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE1A)

ADVANCE MATHEMATICAL ECONOMICS

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Elementary Mathematics in Economics
1.1: Role of Mathematics in Economics.
1.2: Functions and its Graphs.
1.3: Set Theory: Kinds of Sets; Operation of Sets; Venn Diagrams; Cartesian Products.

Unit 2: Limits and Differentiation
: Limits and Continuity.
: Differentiation: Rules of Differentiation; Higher Order Derivatives.
: Application of Derivatives: Differentiation of a Function; Concavity and Convexity; Maxima and Minima; Inflection Points; Perfect Competition; Monopoly; Elasticity.

Unit 3: Calculus and Multi-Variable Functions
: Functions of Several Variables and Partial Derivatives.
: Rules of Partial Differentiation; Second Order Partial Derivatives. 3.3: Application of Partial Derivatives in Economics.

Unit 4: Integration and Its Applications
4.1: Concept; Rules of Integration; Integration by Substitution.
4.2: Definite and Indefinite Integrals.
4.3: Economic Applications of Integration.
4.3: Consumer's Surplus.

Semester V

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE1B)

ECONOMICS OF AGRICULTURAL

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Rural Economy of India

1.1: Composition of Indian Rural Economy: Farm and Non-Farm Sector.

1.2: Place of Agriculture in Rural Economy.

: Diversification of Agriculture: Agriculture and Allied Activities [Fisheries, Horticulture, Floriculture].

: Forestry in India: Growth, Problems and State Policies.

: Rural Industrialization: Food Processing and Agro-Based Industries.

1.6: Development of Rural Infrastructure.

Unit 2: Development of Agriculture

: Role and Importance in Economic Development: Linkages between Agricultural Sector and Non-Agricultural Sector; Changing Nature of Linkages.

: Irrigation in India.

: Trends in Agricultural Growth and Agricultural Productivity.

Unit 3: Agrarian Relations and Land Reforms in India

3.1: Agrarian Relations: Land Reforms Programme during 1950s and 1960s.

3.2: Land Reforms Programme and Performance during 1970s and after.

Semester V

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE2A)

ECONOMICS OF HEALTH AND EDUCATION

Course Description

The importance of education and health in improving well-being is reflected in their inclusion among the Millennium Development Goals adopted by the United Nations member states, which include among other goals, achieving universal primary education, reducing child mortality, improving maternal health and combating diseases. This course provides a microeconomic framework to analyze, among other things, individual choice in the demand for health and education, government intervention and aspects of inequity and discrimination in both sectors. It also gives an overview of health and education in India.

Course Outline

1. Role of Health and Education in Human Development
Importance in poverty alleviation; health and education outcomes and their relationship with macroeconomic performance.

2. Microeconomic Foundations of Health Economics
Demand for health; uncertainty and health insurance market; alternative insurance mechanisms; market failure and rationale for public intervention; equity and inequality.

3. Evaluation of Health Programs
Costing, cost effectiveness and cost-benefit analysis; burden of disease.

4. Health Sector in India: An Overview
Health outcomes; health systems; health financing.

5. Education: Investment in Human Capital
Rate of return to education: private and social; quality of education; signaling or human capital; theories of discrimination; gender and caste discrimination in India.

6. Education Sector in India: An Overview
Literacy rates, school participation, school quality measures.

Readings:

1. William, Jack, *Principles of Health Economics for Developing Countries*, World

Bank Institute Development Studies, 1999.
2. World Development Report, *Investing in Health,* The World Bank, 1993.
3. Ronald G., Ehrenberg and Robert S., Smith, *Modern Labor Economics: Theory and Public Policy,* Addison Wesley, 2005.

Semester V

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE2B) JHARKHAND ECONOMY

Theory: 70 Lectures; Tutorial:15 Lectures

1. Economic growth and structure of Jharkhand's economy , sectoral composition , Growth in SDP and per capita NSDP in last decade, Agricultural and industrial growth in Jharkhand

2. Demographic features of Jharkhand: population growth, sex ratio, density, literacy, Composition of work force, rural urban composition etc.. Special Reference Census 2001 and 2011, inter district variations

3. Status of poverty, unemployment, food security malnutrition, education and Health indicators in Jharkhand, major initiatives, Issues of agricultural and rural Development, major programs and schemes, poverty alleviation programs; particularly, MGNREGA, PMGSY, NRLM, etc and., Food security schemes

4. Land, forest and environmental issues in Jharkhand: land reforms and agrarian Relations, tribal land alienation, development induced displacement impacts and Policy initiatives; Forest issues and implementation of FRA, Environmental Degradation and policy in the state

5. Five year plans in Jharkhand, strategy and achievement in X and Xl th plan, TSP and SCSP, Public finance trends in Jharkhand, industrial policy in Jharkhand and industrial development

Basic Readings:

Jharkhand Samanya gyan ; Manish Ranjan
Micro Planning of Jharkhand; Kunal Vikram

Semester VI

1Y3ECO(C13)

Public Finance

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Nature and Scope of Public Finance

: Meaning and Scope of Public Finance.

: Distinction between Private and Public Finance, Public goods and Private goods.

: Principle of Maximum Social Advantage.

Unit 2: Public Expenditure

: Meaning, Classification and Principle of Public Expenditure.

2.2: Effects of Public Expenditure on production and distribution.

: Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.

Unit 3: Taxation

: Sources of Public Revenue.

: Taxation: Meaning and Classification of Taxes.

: Principles of Taxation: Benefit and Ability to Pay Approaches.

3.4: Impact and Incidence of Taxes.

: Taxable Capacity.

: Characteristics of a good Tax System.

: Effects of Taxation on production and distribution.

Unit 4: Public Debt and Financial Administration

4.1: Public Debt: Meaning, Types, Sources and Need.

4.2: Effects and Burden of Public Debt.

: Methods of Debt Redemption.

: Public Budget: Economic and Functional Classification of Budget.

4.6: Preparation of Budget in India.

4.7: Centre-State Financial Relations in India

Semester VI

1Y3ECO(14)

ENVIRONMENTAL ECONOMICS

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Environmental Issues

: Elementary Ecology, Entropy Law.

: Two-Way Environment-Economy Linkage.

Unit 2: Basic Concepts

: Basic Concepts: Elements of Capital Theory; Externality; Public Goods; Renewable and Non-renewable resources; Common Property Resources.

: Social Cost-Benefit Analysis.

Unit 3: Environmental Degradation

: Causes and Effects of Environmental Degradation; Degradation of Land, Forest and Natural Resources.

: Pollution from Energy Use: Effects on Health, Land, Water and Air.

3.3: Pollution prevention, control and Abatement.

Unit 4: Environmental Policies

: Pollution Control System and Policy in India.

: Concepts and Indicators of Sustainable Development. 4.3: Environmental Accounting

Semester VI

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE3A)

ELEMENTARY ECONOMICS

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Sampling Distribution and Testing
: Sampling: Simple; Random and Stratified.
: Sampling Distribution: Distribution of Sample Mean and Variance.
1.3: Testing of Hypothesis: Point and Interval Estimation.
1.4: Type-I and Type-II Errors; Standard Errors.
1.5: Tests based on t and Chi-Square Statistics.

Unit 2: Estimation Theory
2.1: Ordinary Least Squares [OLS]: Two Variable Linear Method; Assumptions.
2.2: Properties of OLS Estimators; Gauss-Markov Theorem.

Unit 3: Problems in OLS Estimation
: Problem of Heteroscedasticity: Their Consequences.
: Problem of Auto-Correlation [First Order]: Their Consequences, Tests and Remedies; First order Autoregressive scheme, Mean, Variance and Co-Variance of auto-correlated U's.
: Problem of Multicollinearity: Their Consequences.

1Y3ECO(DSE3B) **Semester VI**

OPTIONAL PAPERS (DSE)

AGRICULTURAL PROBLEMS OF INDIA

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Technological Change in Agriculture

: Technology in Agriculture: Traditional Techniques and Practices; HYV Seeds; Fertilizers; Water Technology [Green Revolution].

: Sustainable Agriculture.

: Emerging Trends in Agricultural Technology; Dry Land Farming.

Unit 2: State and Agriculture – I

: Agricultural Finance in India: Importance; Types of Requirements; Institutional and Non-Institutional Sources of Finance; Existing Rural Credit Delivery System [Multi-agency Approach].

: Agricultural Marketing in India: Markets and Marketing Functions.

2.3: Role of Cooperatives in Agriculture.

Unit 3: State and Agriculture – II

: Agricultural Planning in India: Decentralized Planning and Indicative Planning.

: Incentives in Agriculture: Price and Non-Price Incentives; Input Subsidies.

3.3: Agricultural Price Policies [APP]: Nature of Demand and Supply of Agricultural Products; Need for State Intervention; Objectives of APP; Instruments of APP and their Evaluation.

3.4: Food Security in India and Public Distribution System.

Unit 4: Indian Agriculture since Independence

: Agricultural Development in India.

: Underemployment and Disguised Unemployment in Rural Economy. 4.3: Globalization of Indian Economy and its Effects on Indian Agriculture. 4.4: WTO and Indian Agriculture.

Semester VI

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE4A)

INDUSTRIAL ECONOMICS

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Industrial Productivity

: Concept and Measurement of Productivity: Productivity in Indian Industries.

: Industrial Sickness.

: Under-Utilization of Capacity: Factors Accounting for it and Consequences.

Unit 2: Financing of Industry

2.1: Mode of Financing: Equity and Debt.

2.2: Institutional Finance: Bank Finance.

Unit 3: Indian Industry in the International Context

: Globalization and Indian Industry.

: International Competitiveness of Indian Industry.

: Privatization and Issues Relating to Disinvestment Policy.

Unit 4: Industrial Development in India

4.1: Industrial Structure at the Time of Independence.

4.2: Industrial Policy [Role of State].

: New Industrial Policy and Economic Reforms.

: Industrial Growth and Pattern.

Unit 5: Industrial Labour in India

: Structure of Industrial Labour.

: Employment Dimension of Indian Industries.

5.3: Industrial Legislation.

: Industrial Relations.

: Issues of Social Security: Wages; Bonus; Exit Policy and Social Security.

Semester VI

OPTIONAL PAPERS (DSE)

1Y3ECO(DSE4B)

ECONOMICS OF LABOUR

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Central Bank

: Central Bank: Functions and Objectives.

: Instruments of Credit Control: Quantitative and Qualitative Methods.

1.3: Role and Functions of RBI: Development and Regulatory Functions.

1.4: Monetary Policies: Objectives and Limitations; Recent Monetary Policies of RBI.

Unit 2: Financial Institutions in India

: Importance of Financial System in India.

: Financial Institutions in India: Function and Growth.

2.3: Measures to Liberalize Financial System.

2.4: Banking and Financial Sector Reforms: Impact on Economic Growth in India.

Unit 3: Development Banking

: Structure of Cooperative Institutions and Development Banks in India [SIDBI, IDBI] Objective; Role and Limitations.

: Definition and Types of NBFs: Mutual Funds; LIC; Investment Companies; Venture Capital.

: Growth and Importance of NBFs.

: Recent Measures taken by RBI and SEBI to regulate Working of NBFs.

Unit 4: Financial Markets

: Structure of Financial Markets: Call Money; Treasury bills, Commercial Bills.

: Stock market and Market for Gilt-Edged Securities.

4.3: Unregulated Credit Markets.

4.4: SEBI and Working of Capital Markets in India.

SYLLABUS FOR B.A. [ECONOMICS] UNDER CHOICE BASED CREDIT SYSTEM

UNDER VINOBA BHAVE UNIVERSITY HAZARIBAGH.

B.A. ECONOMICS [GENERAL]

Semester I Paper I: Micro Economics I	**Semester II** Paper I: Money and Banking
Semester III Paper III: Indian Economics	**Semester IV** Paper IV: Development Issues of Indian Economy
Semester V Paper V: Micro Economics II	**Semester VI** Paper VI: Public Finance and International Trade

Semester I

Paper I

Micro Economics – I

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit I: Introduction

: Subject Matter of Economics; Central Economic Problems; Production Possibility Frontier.

: Micro and Macro Economics; Positive and Normative Economics.

Unit 2: Consumer Behaviour and Demand

: Cardinal Utility Analysis: Total and marginal Utility; Law of Diminishing Marginal Utility; Law of Equi-Marginal Utility; Consumer's Equilibrium.

: Ordinal Utility Analysis: Indifference Curves; Budget Constraints; Consumer's Equilibrium.

: Consumer's Surplus: Marshall and Hicks.

2.6: Theory of Demand; Elasticity of Demand: Price, Income and Cross.

Unit 3: Theory of Production

: Production Function: Short Run and Long Run.

: Law of Variable Proportions; Returns to Scale: Economies of Scale.

3.3: Isoquant Analysis; Iso-Cost Line; Producer's Equilibrium.

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Semester II

Paper - II

Money and Banking

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Money

: Money: Meaning & Function: Role of Money in Capitalistic, Socialistic & Mixed Economies.

: Quantity Theory of Money: Transactions Approach and Cash Balance Approach.

Unit 2: Central Banking

: Objectives, Functions and Limitations of Central Bank with reference of RBI.

: Quantitative and Qualitative Methods of Credit Control.

Unit 3: Commercial Banking

3.1: Meaning, Types, Functions and Principles of Commercial Banks.

3.2: Process of Credit Creation.

3.4: Commercial Banking in India: Evaluation of Banking Sector since Independence; Critical Appraisal of Commercial Banking after Nationalization.

Unit 4: Inflation

4.1: Definition, Types, Causes and Effects of Inflation.

4.2: Measures to Control Inflation.

4.3: Concept of Inflationary Gap.

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Semester II

Paper - III

Indian Economics

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Structure of Indian Economy

: Basic Features of Indian Economy

: Natural Resources: Land, Water and Forest Resources.

1.3: Broad Demographic Features.

Unit 2: Planning in India

: Objectives, Achievements and Failures of Planning; Analysis of Current Five Year plan.

: New Economic Reforms: Liberalization, Privatization and Globalization; Their progress.

Unit 3: Important Areas of Concern

3.1: Poverty and Inequality;

3.2: Problem of Unemployment;

3.3: Problem of Rising Prices;

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Semester II

Paper IV

Development Issues of Indian Economy

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Agriculture

1.1: Nature, Importance and Trends of Indian Agriculture.
1.2: Land Reforms.
1.3: New Agricultural Strategy and Green Revolution.
1.4: Rural Credit.

Unit 2: Industry

2.1: Industrial Development during the Planning Period.
2.2: Industrial Policies of 1948, 1956 and 1991.
: Large Scale Industries: Sugar, Iron and Steel, Jute and Cotton Textile Industries.
: Small Scale Industries: Growth, Importance and Problems.

Unit 3: External Sector

: Role of Foreign Trade.
: Trends in Export and Import.
: Composition and Direction of India's Foreign trade.

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Semester V

Micro Economics - II

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Theory of Costs and Revenue

1.1: Concepts of Costs and their inter-relationship: Short Run and Long Run.
1.2: Concepts of Revenue and their inter-relationship; Break-Even Analysis.

Unit 2: Market Structure

2.1: Forms of Market: perfect and Imperfect Markets: Salient Features.
2.2: Equilibrium of the Firm and Industry under Perfect Competition.
2.3: Monopoly: Price and Output Determination; Price Discrimination.
2.4: Monopolistic Competition: Price and Output Determination.

Unit 2: Factor Pricing

2.1: Marginal Productivity Theory of Distribution.

2.1: Theories of Wage determination: Demand and Supply Theory and Collective Bargaining.
: Rent: Scarcity Rent; Differential Rent.
: Interest: Classical and Keynesian Theories.
2.5: Profit: Innovation and Risk Theories.

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Semester VI

Paper VI

Public Finance and International Trade

Full Marks - 70 **Time - 3 Hrs**

Candidates will have to answer **four** questions out of total of **eight** questions. **Question no. 1 will be compulsory**, comprising **5** multiple choice questions of **2** marks each and **2** short answer questions carrying **5** marks each.

Unit 1: Nature and Scope of Public Finance
1.1: Meaning and Scope of Public Finance; Public Finance and Private Finance.
1.2: Principle of Maximum Social Advantage.

Unit 2: Public Revenue and Expenditure
: Sources of Public Revenue.
: Taxation: Meaning and Classification.
: Impact and Incidence of Taxes; Effects of Taxation.
: Meaning, Classification and Principle of Public Expenditure.
2.5: Effects of Public Expenditure.

Unit 3: International Trade
3.1: International Economics: Definition, Nature and Importance.
3.2: Inter-Regional and International Trade.
3.3: Gains from Trade: Their Measurement and Distribution.
3.4: Theory of Comparative Costs; Heckcher-Ohlin Theory.
3.5: Free Trade vs. Protection.

Unit 4: International Financial Institutions
4.1: I.M.F. and I.B.R.D.: Their Objectives and Functions.

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