## Raghunath Girls' Post Graduate College, Meerut

Affiliated to

**Chaudhary Charan Singh University, Meerut** 

# UG Classes IInd year IIIrd semester Minor Papers (Under NEP 2020)

## Raghunath Girls' Post Graduate College, Meerut

## Affiliated to

## **Chaudhary Charan Singh University, Meerut**

## UG II year III semester

S.No.	Faculty	Under Subject	Paper Name	Code	Applicable for
1	Arts	Philosophy	Applied Yoga	Q10012	Science & Commerce
2	Arts	Physical Education	Yoga for All	Q10032	Science & Commerce
3	Arts	Economics	Fundamental of Indian Economy	Q10033	Science & Commerce
4	Arts	Psychology	Psychology of Everyday Life	Q10034	Science & Commerce
5	Science	Microbiology	Food & Food Sources	Q10029	Arts & Commerce
6	Science	Physics	Renewable Energy Sources	Q10035	Arts & Commerce
7	Science	Zoology	Scientific Progress & Environmental Awareness in India	Q10036	Arts & Commerce
8	Language	Sanskrit	Bhartiya Gaurav Evam Arth Kavya	Q30003	Science & Commerce
9	Commerce	Commerce	Business Regulatory Framework	Q30001	Arts & Science
10	Commerce	Commerce	Inventory Management	Q30002	<b>Arts &amp; Science</b>

(b) \\_

Principal
Raghunath Girls' Post Graduate College
Meerut

# U.G. IInd year IIInd Sem 10012 (Only for Science & Commerce)

Minor Paper 2 (Theory)

Programn	ne/Class: Graduation	Year:	Serneste	r: III
		Subject: Philos	cophy	1
Course			rse Title: Applied Yoga	
Course ou a peaceful a	tcomes: By studying this cand better quality life.	course a student will le	earn to resolve various physic	cal, mental issues ic
	Credits: 6			1
	Max. Marks:		Min, Passing Mark	s:
	Total No. of Lecture	s-Tutorials-Practical	(in hours per week): L-T-P	6-0-0
Unit		Topics		No. of Lectures
ĭ	Nature and relevance of Chitta-vritti-Sankhya-	Yoga, Bhagvadgita,	Vedanta	08
п	Kinds of Yoga- Kar reference of ancient an	ma, Bhakti, Jnana ad modern yogis, Ro	and Rajyoga with the le of God in Yoga	11
III	Concept of Panch yam Panch niyama- Veda,	na- Veda, Sankhya-Y Sankhya-Yoga, vari	oga, Jaina, Buddha, ous Asanas	11

IV	Concept of meditation (Dhyana)- Sankhya-Yoga, Vipasyana, Preksha, Kundallini, Hathayoga sadhana, Kriya yoga, Dyanamic meditation, Isha kriya	12
V	Concept of Pranayama: Anuloma-viloma, Suryabheda, Sheetli, Sheetkari, Bhastrika, Ujjai, Bhramari. Impact of pranayama	12
Vi	Physical-mental diseases- Anxiety, Stress, Depression and Schizophrenia and its cure through Yoga therapy and Philosophical counselling	. 12
VII	Samadhi as a form of peace, Stages of samadhi	12
VIII	International acceptance of Yoga, Yoga and world peace, Yoga as an indicator of healthy mankind	12

#### Suggested Readings:

- 1. Adityanath, Yogi, "Hathyoga: Swaroop and Sadhna", Gorakhnath Mandir Math Trust, Gorakhpur, 2015.
- 2. Gheranda Sambita
- 3. Patanjal Yogasutra
- 4. Ramdev, Swami, "Yoga Sadhna evam Yoga Chikitsa Rahasya"; Divya Prakashan, Haridwar, 2004.
- 5. Saraswati, Swami Satyananda, "Asana Pranayama Mudra Bandh", Bihar School of Yoga, Bihar, 2013.
- 6. Yogananda, Paramhansa, "Autobiography of a Yogi", Yogoda Satsanga Society of India, Ranchi, 1998
- 7. Yogananda, Paramhansa, "Yogi Kathamrit", Yogoda Satsanga Society of India, Ranchi, 2005.
- 8. Raabe, Peter B., "Issues in Philosophical Counselling", Praeger Publishers Inc., USA, 2002
- 9. Cheema, Pooja Lamba, "Vipassana", Prabhat Prakashan, New Delhi, 2017.
- 10. Iyengar, B. K. S., "Yoga for Everyone", Dorling Kindersley, Nolda, 2018.
- 11. Vivekananda, Swami, "The Complete Book of Yoga: Karma Yoga, Bhakti Yoga, Raja Yoga, Jnana Yoga", Fingerprint Publishing, New Delhi, 2019
- 12. Sadguru, "Adiyogi: The Source of Yoga", Harper Collins Publishers, India, 2017
- 13. Osho, "Yoga: The Path to Liberation", Penguin India, 2005
- 14. Osho, "Yoga: The Science of the Soul", St. Martins Publishing Group, 2002
- 15. Suggestive digital platforms web links- http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open to All

Suggested Continuous Evaluation Methods.

Assignment, Project, Seminar (15 Marks), Attendance (10 Marks)

Course prerequisites: Open to All.

# UG IInd year IIIrd Sem 1910032 (Only for Commerce and Science)

## SECOND PAPER THEORY: PHYSICAL EDUCATION

UGIL

## SUBJECT: PHYSICAL EDUCATION - THEORY

Course Code:

Course Title: Yoga for All

Course Outcomes: Yoga is very helpful in prevention of many diseases and students will learn about it. This subject deals with basic knowledge about yogasanas, pranayama and rehabilitation aspects of yoga.

Cre	dits:04	General Elective	
Max. M	orks : 25+75	Min. Passing Marks: 1	0+25
UNIT	Total No. of Lectures-Practical TO	를 보고 있습니다. 아름이 바다 프라이션이 생각 있는 사이트 2000년 전환이 가장하지만 하지만 그는 사이를 보고 있는데 그 사이를 보고 있습니다.	O. OF TURES
	INTRODUCTION OF YOGA		06

	Total No. of Lectures-Practical (in hours per week):L-T-P: 4-0-	NO or
UNIT	TOPIC	LECTURE
	<ul> <li>INTRODUCTION OF YOGA</li> <li>Concept, Meaning and Definition of Yoga</li> <li>Aims and objectives of yoga</li> <li>Scope of yoga</li> </ul>	06
11	Importance of yoga  TYPES OF YOGA	07
	<ul> <li>Karma yoga</li> <li>Raj yoga</li> <li>Bhakti yoga, Gyan yoga</li> <li>Hatha yoga, Jap yoga, Lay yoga</li> </ul>	08
	ASHTANG YOGA  Introduction & Ashtang yoga  Yama ,Niyam  Asana, Pranayam  Pratyahara  Dhayana Samadhi	
IV	YOGASANA	08
V	SURYA NAMASKAR     Introduction of Suryanamaskar     Position of Suryanamaskar with mantra     Importance of Surya namaskar     Surya namaskar practice	08
VI.	PRANAYAMA	07
	<ul> <li>Meaning of Pranayama</li> <li>Meaning of Purak, Kumbhak &amp; Rechak</li> <li>Importace of Pranayama</li> <li>Bhastrika, Kapalbhati, Anulom-Vilom</li> <li>Shitli, Shitkari, Ujjayi pranayama</li> <li>Bhramri Pranayama</li> </ul>	
VII ·	REHABLITATION ASPECTS OF YOGA  • Pain release theraphy by Asana • Tention, Depression, Migraine • Anxiety • Increase vital capacity by pranayama	08
	Increase co-ordination and memory by pranayama  YOGA PALN  YOGA PALN	

- Yoga plan for children
- Yoga plan for adult
- Yoga plan for adulthood
- Yoga plan for women
- Meditation

#### Suggested Readings:

- Kumar, Kamakhya (2011), Yog Mahavigyan, Standard publication, New Delhi
- Singh, A. (2004). Sharirik SikshaTatha Olympic Abhiyan, Kalyani Publishers, Rajendra Nagar, Patiyala
- Singh, S. N. (2019). Khel Chikitsa Shastra Evam Yoga, Khel Sahitya Kendra, Daryaganj, New Delhi
- Swami Karmanand Saraswati (2013). Rog Aur Yog (2013), Yog Publication Trust, Munger
- Swami, Kuvalyananda (2012). Asanas, Kaivalyadhama, Lonavala, Pune
- Swami, Satyanand Saraswati (2006). Asana, Pranayam, Mudra Bandh, Yog Publication Trust,
   Munger
- Pandey, K.G. (2011). Sharirik Siksha Evam Khel, Shri Gyan Sagar Publication, Meerut
- Pandey, K.G. (2011). Sharirik Siksha, Shri Gyan Sagar Publication, Meerut
- Yoga, (2006), Vivekanad Kendra prakashan trust, Trilpiken
- Swami, Satyanand Saraswati (2013). Surya Namaskar, Yog Publication Trust, Munger

This course can be opted as an elective by the students of following subjects: Open for all

Continuous Evaluation Methods: (CIE)

INTERNAL ASSESMENT (25 Marks)

Written Test - 10 marks

Assignment/ Research Based Project - 10 marks

Attendance - 5 marks

Research Orientation of the student.

### Suggested equivalent online courses:

- IGNOU
- Other centrally/state operated Universities / MOOC platforms such as "SWAYAM" in
- India and Abroad.
- Rajarshi Tandon open University.

## Minor Paper-2(Economics) UGIII Sem. Fundamentals of Indian Economy

- Unit-1 Introduction: Nature and Characteristics of Indian Economy; Planning Commission: History of Five Year Plans in India, NITI Ayog: Strategy for future development.
- Unit-2 Indian Public Finance: Budget Classification: Revenue Account v/s Capital Account; canons of public expenditure; canons of taxation; direct v/s indirect taxes; brief idea of Indian federal system.
- Unit-3 Indian Agriculture: Nature and Problems of Indian Agriculture; Agricultural credit and agricultural marketing; Commission for agricultural costs and prices (CACP)& Agricultural Price Policy; Farm Management.
- Unit-4 Indian Industry: Nature & Problems of Indian Industry; Industrial Finance; Industrial Policies since independence, Public sector v/s Private sector, Foreign Trade.
- Unit-5 Indian Monetary System: Structure of Banking System: Central bank, Commercial Bank, Foreign Banks; Bank v/s Non-Bank financial Institutions.

#### Basic Reading List:

I Ruddar Datt & K.P.M. Sundaram

Indian Economy

7 A.N. Aggarwal

Indian Economy Problems of Development and Planning

3 Uma Kapila

: Indian Economy Since Independence

4 Jean Dreze & Amartya Sen

Indian Development-Selected Regional Perspectives

5 Kaushik Basu

India's Emerging Economy-Performance and Prospects

in the 1990s & beyond

6 Shankar Acharya and Rakesh Mohan

India's Economy-Performance and Challenges

7 Mishra and Puri

Indian Economy

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Total - 24 Pages

# MG Ind Jones Mrd Sem 10034 ( Only for Science & Conneace)

SYLLABI OF MINOR PAPERS FOR BA PSYCHOLOGY UNDER THE AEGIS OF THE NATIONAL EDUCATION POLICY-2020
Note: These papers are offered as options (minors) to students of other departments/ faculties.

Subject: Psychology Course Code: Ottomes: The students will understand how psychology is applied in different areas. They will society armed with this knowledge.  Credits: 6  Max. Marks: 25+75  Min. Passing Marks: 10+25  Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0  Unit Topics  I Psychology and parenting: Stages of physical, cognitive, and psychosocial development upto adulthood; imparting values and building character; dealing with 'special' children; psychology and education: Goals of education; Teaching and learning process, diversity in learners changing role of the teacher; types of evaluation; factors in academic success  II Psychology and technology: Advantages and disadvantages of computers, internet, and social med to individuals and groups; Cultural lag and dealing with rapid pace of change  IV Psychology and health: Psychosocial stress among the caregivers; Dealing with grief and death extrinsic and intrinsic motivation; Contemporary employment arrangements and their effects on Psychology and work: Needs for relatedness, competence, autonomy; Maslow's hierarchy of needs individuals; Work-life balance  VI Psychology and balts: Psychological characteristics of entrepreneurs; Persuasive communication and advertising, Rational strategies of decision making, Role of intuition in decision making, Dealing Psychology and law: Challenges of law enforcement, Juvenile delinquents, Recidivism, Eye-witness estimony, Identification from line ups, Profiling, Mental illness and law.  Psychology and a sustalnable future: Environmental influences on human life: Environmental stress, on Environments: Environment and quality of life; Health benefits of nature; Human influences and collapse; Sustainable living and pro-environmental influences on human life: Environmental stress, on Environments: Environment and quality of life; Health benefits of nature; Human influences and collapse; Sustainable living and pro-environment behaviour.  Psychology and leave the process of the process of the	
Course Outcomes: The students will understand how psychology is applied in different areas. They will principles and skills learnt during the course to enhance their own everyday lives. They will contribute to society armed with this knowledge.  Credits: 6  Minor (Optional)  Min. Passing Marks: 10+25  Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0  Unit Topics  I Psychology and parenting: Stages of physical, cognitive, and psychosocial development upto adulthood; imparting values and building character; dealing with 'special' children; Psychology and education: Goals of education; Teaching and learning process, diversity in learners changing role of the teacher; types of evaluation; factors in academic success  III Psychology and technology: Advantages and disadvantages of computers, internet, and social med to individuals and groups; Cultural lag and dealing with rapid pace of change  IV Psychology and health: Psychosocial aspects of physical health; Importance and types of exercise; Psychology and work: Needs for relatedness, competence, autonomy; Maslow's hierarchy of needs Extrinsic and intrinsic motivation; Contemporary employment arrangements and their effects on Psychology and business: Psychological characteristics of entrepreneurs; Persuasive communication and advertising, Rational strategies of decision making, Role of intuition in decision making, Dealing Psychology and law: Challenges of law enforcement, Juvenile delinquents, Recidivism, Eye-witness destimony, Identification from line ups, Profiling, Mental illness and law.  Psychology and a sustalnable future: Environmental influences on human life: Environmental stress, on Environments, Environment and quality of life; Health benefits of nature; Human influences and collapse; Sustainable living and pro-environment behaviour.  Psychology and a sustainable living and pro-environment behaviour.  Psychology and a sustainable living and pro-environment behaviour.	
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Psychology and technology: Advantages and disadvantages of computers, internet, and social med to individuals and groups; Cultural lag and dealing with rapid pace of change  Psychology and health: Psychosocial aspects of physical health; Importance and types of exercise; Life with chronic illnesses, Psychological stress among the caregivers; Dealing with grief and death extrinsic and intrinsic motivation; Contemporary employment arrangements and their effects on individuals; Work-life balance  Psychology and business: Psychological characteristics of entrepreneurs; Persuasive communication and advertising, Rational strategies of decision making, Role of intuition in decision making, Dealing with cognitive biases in decision making  Psychology and law: Challenges of law enforcement, Juvenile delinquents, Recidivism, Eye-witness in testimony, Identification from line ups, Profiling, Mental illness and law.  Psychology and a sustainable future: Environmental influences on human life: Environmental stress, on Environments, Environment and quality of life; Health benefits of nature; Human influences and collapse; Sustainable living and pro-environment behaviour.  Psychology: Sustainable living and pro-environment behaviour.	; 11
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ourse can be opted as a minor elective: Open to all except those with a major in Psychology	
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nment/Seminar (10 Marks) Written Test (10 Marks) Attendance (5 Marks)  e pre requisites: 10+2 in any discipline	1 11 11
ested equivalent online courses: Coursera Swayam	
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Professor & Head
Dept. of Psychology
R.G. P.G. College, Meerut

Arts & Commerce) U.G. IInd year IIIrd DEPARTMEN

	ourse. Disc. Mile obloto	gy-CDC3
Programme/Class: Certificate	Year: Second	Semester: Third/Fourth
Subject: MICROBIOLOGY		
Course Code:	Course Title: FOOD AND FOOD S	DURCES

#### Course Outcomes:

The student at the completion of the course will be able to:

- To understand the history, relevance of food basics.
- To learn and understand the food and its functions.
- To understand the food from plant sources.
- To gain knowledge by processing of food from various plant sources.
- To understand the food from animal sources.
- To understand the milk and its products.
- To learn and understand the types of food.
- To enable the students to get sufficient kno

• To en	ible the students to get sufficient knowledg	ge about food industry.			
Credits: 4		ore: Compulsory			
Max. Marks:		lin. Passing marks: as per rule	es		
	ectures-Tutorials-Practical(in hours per we	eck): L-T-P: 4-0-0			
Unit	Topics		Total Lectures	No. Mours(	of 60)
1	Introduction Food basics, food groups, food intake and its regulation		8	•	
11	food and its functions food and its functions as phy psychological and social fun consummation trends, popu production.	siological, body buildings,	8		
111	Food from plant sources Food from plant sources, cereal products, composition their nutritional value,	food grains, cereals and n of cereals, pulses and	8		
ıv	Processing of plant sources Processing of pulses, nuts ar oilseeds, other horticulture processing of food crops.	nd oilseeds, processing of	6		
V	Food from animal sources Food from animal sources, a live stocks poultry and meat p meat production, processed products	meat and meat products, production, wholesome of	8		
/1	Milk and milk products Milk and milk products, da		6		

	fishery products.	
VII	Types of foods  Organic foods, genetically modified food, energy drinks, stimulating drinks, carbonated non alcoholic beverages/soft drinks, comfort foods, infants foods, nutraceuticals, ayurvedic medicinal foods, food taboos.	8
VIII	Food industry Food industry, components and characteristics of the food industry, allied industries, international activities of food industry, processing and value addition, food trade, national food processing policy, food safety.	8

- Nelson D and Cox MM., Lehninger's Principles of Biochemistry, W.H. Freeman andCompany.
- 2 Voet D and Voet JG., Principle's of Biochemistry. John Wiley and sons New York.
- 3 Stryer, L. Biochemistry, W. H. Freeman and Co.
- 4 Willey J, Sherwood L. and Woolverton C. Prescott's Microbiology.
- 5 U. Satyanarayan Biochemistry, Elsevier
- 6 Andrew Proctor Alternatives to conventional food processing, RSC pub.
- 7 Frazer WC and Westhoff DC. Food Microbiology. Mcgraw Hill, New York.
- B.D. Singh. Biotechnology, Kalyani Publication.
- Srilakshmi B Food Science, New Age Publication.

### Suggestive continuous internal evaluation Method:

Course prerequisites:

Continuous Internal Evaluation shall be based on allotted Assignment and Class Tests. The marks shall be as follows:

Quiz/ Assignment	(05 marks)
Class Test-I	(10 marks)
Class Test-II	(10 marks)

# UG IInd year IIInd Sem CR10035 (Only for Arts 2 Commerce) Open Elective Courses for UG Program as an Optional

(To be taught in First/ Third /Odd Semester)

This course car	be opted as a minor elective by the students. Open to all.	
	Syllabus of the course	
Programme	Year Second	Semester
Class:		Third
	Subject: PHYSICS	
Course	Course Title: Renewable Energy Sources	
Code:		
Q10035		
Course Outo	comes:	
After completing	ng this course, a student will have:	
Credits: 04	Core: Minor Elective	
Max. Marks:	Min. Passing Marks:	
25+75		
	Total No. of Lectures-Tutorials (in hours per week): 0 4	
Unit	Topic	No. of
		Lectures
	PART A: Fossil Fuel and Solar Energy	
I	FOSSIL FUELS AND ALTERNATE SOURCES OF	
	ENERGY:	
	Energy (Definition), Sun as the source of energy (fission reactions),	
	Classification of energy Sources: Primary energy, commercial	
	(sources that are found in market for a definite price) and noncommercial (not available in market for any price) energy,	15

-	renewable and nonrenewable energy, conventional and non-	
/		
	Facil fuels and nuclear energy: (Introduction and usage, their	
	advantages and limitations), requirement of alternate sources of	
	energy,	
	Basic understanding of Alternate sources of energy: (Wind	
	Energy, Tidal Energy, Wave energy systems, Ocean Thermal	
	Energy Conversion (OTEC), solar energy, biomass, biochemical Energy Conversion (OTEC), solar energy Hydroelectricity)	
	conversion, biogas energy, geothermal energy Hydroelectricity).	
II	SOLAR ENERGY	•
	Introduction (solar energy is one of the most resourceful sources of	
	energy), units of solar energy and solar power, Essentials of solar	
	energy), units of solar chergy and solar chergy transport system like water or energy plant solar collector, Energy transport system like water or	15
	steam, electrical system, Energy storage (thermal energy storage	
	bettery storage) Fnerov conversion plant (merma energy)	
	collected by solar collectors). Power conditioning, conditioning	
	protection system. Principle of photovoltaic conversion of solar	
	operati	
	Applications of solar system: Battery storage & solar water	
	pumping,	
	PART B: Wind and Bioenergy	
m	PART B: Wind and Bioenergy WIND ENERGY	
m	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and	
III	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and	
m	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions,	15
III	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions, schematic diagram of wind power system), India's wind energy	.15
III	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions, schematic diagram of wind power system), India's wind energy potential and challenges (benefits of desert lands and sea area),	.15
m	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions, schematic diagram of wind power system), India's wind energy potential and challenges (benefits of desert lands and sea area), distribution across the world, Eolian features (definition only),	.15
III	PART B: Wind and Bioenergy  WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions, schematic diagram of wind power system), India's wind energy potential and challenges (benefits of desert lands and sea area),	15
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m IV	WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions, schematic diagram of wind power system), India's wind energy potential and challenges (benefits of desert lands and sea area), distribution across the world, Eolian features (definition only), Factors affecting wind energy.  BIOENERGY	
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	WIND ENERGY Introduction, Wind Resources (windmill, its working and conversion system), Meteorology of wind (wind speed predictions, schematic diagram of wind power system), India's wind energy potential and challenges (benefits of desert lands and sea area), distribution across the world, Eolian features (definition only), Factors affecting wind energy.  BIOENERGY Bioenergy (energy produced by biofuels): bioenergy and sustainability, Energy density (definition only), Biomass as resources: Classification and estimation of biomass (sugarcane agro industry, advantages and dangers of energy	15

#### Suggestive readings:

- 1. Kothari P, Singal K C and Rakesh Ranjan, "Renewable Energy Sources and Emerging Technologies", PHI Pvt. Ltd., New Delhi, 2008.
- 2. Sukhatme S P and Nayak J K, "Solar Energy Principles of Thermal Collection and Storage", Tata McGraw Hill, 2008.
- 3. Rai G D, "Non-Conventional Sources of Energy", Khanna Publishers, 2006.
- 4. Abbasi SA A and Naseema Abbasi, "Renewable Energy Sources and their Environmental Impact", PHI Pvt. Ltd., 2001.
- 5. Frank Kreith and Yogi Goswami D, "Handbook of Energy Efficiency and Renewable Energy", CRC Press, 2007
- 6. Bent Sorensen, "Renewable Energy", Academic Press, 2004
  8. Boyle G, "Renewable energy: Power for a sustainable future", Oxford University Press, 2004.
- 7. www.fao.org>does>fileadmin.

- 8. Webstor.srmist.edu.in
- 9. Atternate\_energy\_ebook.pdf
- 10. www.vssut.ac.in>lecture>pdf

## Suggestive continuous internal evaluation Method:

Continuous Internal Evaluation shall be based on allotted Assignment and Class Tests. The marks shall be as follows:

Quiz/ Assignment	(05 marks)	
Class Test-I	(10 marks)	
Class Test-II	(10 marks)	

4.G. Ind year IIIrd sem Q10036 (Only for Artse Commerce)

## Scientific Progress and Environmental Awareness in India Minor (4 Credits)

Couse Outcomes: The course aims to make freshers aware about the scientific aptitude and the progresses made by leading Indian research laboratories working in the field of:

- Agriculture, Cattle biotechnology, Oceanography, Food technology,
   Pollution abatement, Molecular Biology, Remote sensing, Fundamental
   Scientific Researches, Communicable diseases and Fish and Fisheries etc.
- It also encompasses Wildlife and environmental rules, Endangered species and various NGOs working in the field of Environmental awareness and wildlife conservation.
- One unit makes them aware about the important environmental movements in India and helps them in becoming a responsible citizen of India.
- Introduction to Scientific terminology will help students from various disciples to understand the ongoing efforts in environmental planning and awareness. This understanding and appreciation will help them learn the interdisciplinary nature of such courses.

Max. Marks: 25+75

Min Marks: As per rules

Total No. of Lectures-Tutorials-Practicals (In hours per week):

Harry Bayer

L-T-P: 4-0-0

Unit I: India Biodiversity Portal

Total No. of Lectures= 60

Major Environmental Laws of India

Wildlife Protection Act (1972)

Endangered wildlife species of India

12

Unit II: Important Science Institutes in India and their

Research Contributions: (e.g., IARI, NDRI, CDRI,

NIO, CETRI, NEERI, CCMB, ITRS, TIFR, NICD, IVRI and CIFE).

Major environmental movements in India: (Bishnoi movement,

Chipko, Silent Valley Movement, Appiko, NBA and Tehri Dam

Conflict).

20

Unit III: Important Government bodies/ NGOs in India working in the field of Environment, Climate change and Wildlife Conservation:

(e.g., CPCB, TERI, WWF-India, CSE, BNHS, WTI etc.).

16

UnitIV: Scientific terms used in Environmental Science:

Algal blooms, Alternative Energy Sources, Biodegradable waste,

Carbon Credits, Carbon footprint, CFCs, Climate change, Ecotourism, Flora &

Fauna, ISO certification, Sustainable development and Zero emmissions. 12

Suggested Continuous Evaluation Methods: Total Marks: 25 Internal Examination/Test: 10 Marks

Written Assignment/Presentation/Project/Research Orientation / Term Papers/Seminar: 10 Marks

lass performance/Participation: 5 Marks

April 6 7 1 2 1

## U.G. Ind year IIIrd Sem 1920003 (Only for Commerce 2 Science)



# Chaudhary Charan Singh University, Meerut National Education Policy-2020 Sanskrit Syllabus for B.A II Year स्नातक द्वितीय वर्ष हेतु संस्कृत विषय का पाठ्यक्रम Minor Course – लघुपाठ्यक्रम

[संबद्ध महाविद्यालयों के संस्थागत छात्रों के लिए वर्ष-2021-22 से प्रभावी]

Programme/Class: <b>Bachelor B.A.</b> स्नातक		Year: Second वर्ष – द्वितीय	Semester: Third सेमेस्टर- तृतीय	
	S	Subject:- SANSKRIT		
Course Code:	Course	rse Title: भारतीय गौरव एवं आर्षकाव्य		

- रामायण महाभारत में निहित, धर्म-दर्शन, आचार-व्यवहार नैतिकता तथा आदर्श सम्बन्धी तत्त्वों का ज्ञान प्राप्त कर उत्तम चित्र निर्माण हेतु प्रेरित होंगे।
- वैदिक मन्त्र एवं गीता के अध्ययन से आध्यात्मिकता को अनुभूत कर भारतीय संस्कृति के महत्त्व को वैश्विक स्तर तक पहुँचाने में सक्षम होंगे।
- > आर्षकाव्यों की भाषा,शैली,सौन्दर्य एवं परवर्ती साहित्य पर उनके प्रभाव का ज्ञान प्राप्त करेंगे।
- समाज के विविध स्वभाव वाले व्यक्तियों से सामंजस्य स्थापित करने में सक्षम होंगे।
- 🗲 संस्कृत की सरल,सहज, भाषा से परिचित होकर लेखन, वाचन एवं अध्ययन की क्षमता प्राप्त कर सकेंगे ।

	Credits: 4 Minor	Course	
	Max. Marks: 25+75 Min. Pass	ing Marks:	
Total No. of Lectures-60			
Unit	Topics	No. of Lectures	
I	यजुर्वेद, रामायण, महाभारत, वाल्मीकि, एवं वेदव्यास का सामान्य परिचय	5	
II	शुक्ल यजुर्वेद- शिवसंकल्पसूक्त (अध्याय34) मन्त्र 1-6 श्रीमद्भागवद्गीता (अध्याय-2) श्लोक 31-51 तक	15	
Ш	रामायण, अयोध्या काण्ड (सर्ग– 94)		
IV	महाभारत यक्ष युधिष्ठिर संवाद	15	
V	हितोपदेश विग्रह (प्रारंभ से काकवर्त्तककथा पर्यन्त श्लोक सं1 से 25 तक)	15	

💠 संस्कृत साहित्य का इतिहास- डॉ बलदेव उपाध्याय, चौखम्बा प्रकाशन, वाराणसी	
♦ शिव संकल्प सूक्त- सुषमा पाण्डेय	
<ul> <li>श्रीमद्भागवद्गीता- गीता प्रेस, गोरखपुर</li> </ul>	
<ul> <li>❖ रामायणम्- उमाकान्त शुक्ल, साहित्य भण्डार, सुभाष बाजार, मेरठ</li> </ul>	
<ul> <li>♦ महाभारत युधिष्ठिर- यक्ष संवाद, ज्ञान प्रकाशन, मेरठ</li> </ul>	
♦ हितोपदेश- नारायण पण्डित, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली	
This course can be opted as an elective by the students of following subjects: Open for all सभी के लिए उपलब्ध	
Suggested Continuous Evaluation Methods:	
प्रस्तावित सतत मूल्यांकन-	
(क) पाठ्य क्रम में निर्घारित ग्रंथों पर आधारित अधिन्यास (असाइनमेंट)/ मौखिकी	10
(ख) लिखित परीक्षा (वस्तुनिष्ठ /लघुउत्तरीय)	15
Course prerequisites: सभी के लिए उपलब्ध	
도 있으면 보고 있는데 이렇게 되었다. 이 사람들이 되었다. 또한 사용되는 소프로 기료를 보고 있는데 기를 사용되었다. 그렇게 되었다면 그 사람들이 하는 사람들이 사람들이 되었다. 그 사람들이 되는 것이 되었다.	
Suggested equivalent online courses:	

# U.G. Ind year IIIrd Sem Q30001 (Only for Artis Science)

Programme: B.Com.		Year: Second Semester:		nird
		Subject: Commerc	ce	
Course Code:	C010303T	Course Title	: Business Regulatory Framew	ork
	Credits: 6	Cor	re Compulsory / Elective: Elect	No
Max. Marks: 25+75 Mln. Passing Marks: 10+2				
		Total No. of Lectur	es: 90	
Unit		Topics		No. of Lectures
İ	Indian Contract Act, 1872: Definition & Nature of Contract, Classification; Offer & Acceptance; Capacity of Parties; Free Consent; Consideration; Legality of Objects		20	
n	Void Agreements; Performance of Contracts; Discharge of Contract; Contingent Contracts; Quasi Contracts; Remedies for Breach of Contract. Special Contracts: Indemnity & Guarantee; Bailment & Pledge; Contract of Agency.			24
m	Sale of Goods Act, 1930; Contract of Sale of Goods, Conditions & Warranties; Transfer of Ownership; Performance of the Contract; Remedial Measures; Auction able Claims.			25
īV	A. The Consumer Protection Act 2019, Main Provisions  B. The Limited Liability Partnership Act, 2008-Main Provisions  C. The U.P Shops and Commercial Establishment Act - Main Provisions			21

#### Suggested Readings:

- 1. Kuchal M.C: Business Law; Vikas Publishing House, New Delhi.
- 2. Chandha P.R: Business Law; Galgotia, New Delhi.
- 3. Kapoor N.D: Business Law; Sultan Chand & Sons, New Delhi. (Hindi and English)
- 4. Desai T.R.: Indian Contract Act, Sale of Goods Act and Partnership Act; S.C.Sarkar & Sons Pvt. Ltd., Kolkata.
- 5. Tulsian, P.C., Business Law, New Delhi, Tata McGraw Hill.

Note- Latest edition of the text books should be used.

This course can be opted as an elective by the students of following subjects: Open for all

May

## U.G. Indyear IIIrd Sem @ 30002 (Only for Arts & Science)

Programme: B Com. Year		Year: Second	S	emester: Third
		Subject:	Commerce	
ourse Code	2: C0103041		Course Title: Inventory Ma	nagement
	Credits:	6	Core Compulsory / Elec	ctive; Elective
Max. Marks: 25+75		75	Min. Passing Marks:10+25	
100		Total No. o	Lectures: 90	
Unit	Toples		No. of Lectures	
1	Inventory Management: Concept, meaning, Inventory Management Process, Why inventory management is important? Principles of inventory Management, How to improve inventory management, perpetual inventory system & Periodic Inventory System, inventory costs, Role of Inventory Management, Methods of Inventory Management, Benefits of good Inventory Management.			entory entory entory 22
n	Inventory, Nec- Inventory level Classification, F Reptenishment	and Valuation of Inventory: Concept and Objectives of A., Need for holding Inventory, Planning and controlling levels. Effects of excess inventory on business, Product ation. Product Coding, Lead Time, Demont Methods.  Is of Accounting standard-2 (As-2) for valuation of Inventories.		
III	Scrap, Spollage, E Obsolescence: M Control of obsole	Accounting for material Losses & Obsolescence: Material Losses-Waste, Scrap, Spollage, Defective work, Rejections. Obsolescence: Meaning, Reasons, Disposal of obsolete and scrap items, Control of obsolescence and scrap.		
IV	Inventory Control: Concept and Meaning of Inventory Control, Objectives and Importance and Essentials of Inventory Control, Types of Inventory Techniques of Inventory Control - EOQ, ROP, ABC, VED, JIT, Determination of Inventory levels, Impact of Inventory Inaccuracy.			itory.

#### Suggested Readings:

- 1. Muller M. Essentials of Inventory Management, AMACON.
- 2. Narayan P. Inventory Management, Excel Books.
- 3. Gopalkrishnan P. Materials Management, PHI Learning Pvt. Ltd.
- 4 Chitale A.K. & Gupta R.C. Materials Management, PHI Learning Pvt.Ltd.
- Chapman Stephen Introduction to Materials Management, PearsonPublishing.
   Note: Latest edition of the text books should be used.
   This course can be opted as an elective by the students of following subjects: Open for all

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