

RKDF UNIVERSITY RANCHI

**UNDER GRADUATE COURSES COMMON TO ALL
SEMESTER I**

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SYLLABUS

**UNDER GRADUATE COURSES COMMON TO ALL
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VALUE ADDED COURSE

Subject Code	Paper Name	Credit
VAC01	UNDERSTANDING INDIA	2

UNIT I: Introducing India

1. The Name of our Country: *Jambudvipa, Bharatvarsa, Sindhu* (Indus), Hind, *Hindustan*, India.
2. The Land of India: Geographical Setting; Physical and Natural Environment.
3. The People of India: The migration of people into India, such as Indo - Aryans speaking people, the Persians, the Greeks, the Kushans, the Shakas, the Arabs, the Turks, the Mongols, etc., and their contribution to the making of Indian History and Culture.

UNIT II: The Knowledge System of India

1. Traditional Knowledge System: Gurukuls, Pathshalas, Tols, Maktabas, Madrasas
2. Famous Universities: Taxila, Nalanda, Vishwa Bharati, BHU, AMU, IIT, IISC, AIIMS
3. Beginnings of Modern Education: The British Government's Educational Policies
4. Expansion of Higher and Technical Education in India
5. Education Policy of government.1986 and 2020.

UNIT III: The Indian Economy

1. Indian Economy through the Ages (Agriculture, Industry and Trade)
2. Directive Principles and Fundamental Rights and Duties.

UNIT IV: The Making of Contemporary India

1. Understanding of India's freedom struggle and of the values and ideals that it represented.
2. Freedom fighters of Jharkhand (Tilka Manjhi, Sidho-Kanho, Birsa Munda & Jatra Bhagat)
3. Constitutional obligations with special emphasis on constitutional values and fundamental rights and duties.
4. India's Foreign Policy: Main Elements (Non Alignment, Panchsheel)
5. Secular- Constitutional sole of a citizen in Democratic India.
6. Formation of Jharkhand: Challenges

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7. Panchayati Raj in India with special reference to PESA in Jharkhand.

Reference Books:

1. R.S. Sharma, *Material Cultures and Social Formations in Ancient India*, New Delhi, 1983.
2. Upinder Singh, *A History of Ancient and Early Medieval India*, Pearson, 2009.
- A. L. Basham, *A Cultural History of India*, Oxford University Press, 1997
- A. L. Basham, *A Wonder that was India*, Rupa, New Delhi, 1994
3. N.R. Ray, *An Approach to Indian Art*, Publication Bureau, Chandigarh, 1974
4. Nayanjot Lahiri, *Marshaling the Past: Ancient India and its Modern Histories*, Permanent Black, 2012
5. R.C. Majumdar (ed.), *History and Culture of Indian People* (Relevant Volumes and Chapters),
6. Bhartiya Vidya Bhawan, Bombay,
7. S. C. Ghosh, *History of Education in Modern India*, 1758-1986, Orient Longman, Hyderabad, 1995.
8. Tirthankar Ray, *the Economic History of India 1857-1947*, OUP, 2006.
9. Bipan Chandra, et.al, *India Science Independence*, New Delhi, 2000.
10. Bipan Chandra, et.al, *India's Struggle for Independence*, New Delhi, 1989.
11. Sunil Kumar Singh, *Inside Jharkhand*, Ranchi, 2018.

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VALUE ADDED COURSE

Subject Code	Paper Name	Credit
VAC02	HEALTH, HAPPINESS AND WELLNESS	2

Unit-I

Introduction Concept of health and fitness, dimensions and determinants of health & fitness, Nutrition and Balance diet, Basic Concept of immunity, Relationship between diet & fitness, Globalization and its impact on health, BMI (Body Mass Index) for all age group.

Unit- II

Concept of Yoga: Meaning, Characteristics, Misconceptions, aims and objectives, need and importance of yoga. Origin and history of yoga in Indian context, classification of yoga: Raja Yoga (Ashtanga Yoga). Hatha Yoga, Sankhya Yoga, Bhakti Yoga & Mantra Yoga, Yoga and Health, Yoga for stress management.

Unit-III

Concept of Sports and fitness, Aims and objectives, importance of sports and fitness, Fitness components, Difference between games and sports, History of sports, Ancient Greece, Ancient and Modern Olympics, Asian Games and commonwealth games, Post- Independence Period — Various Policies, Institutions, SAI Khelo India, Fit India Movement Traditional sports of Jharkhand viz- Khokho, Kabadi, archery, Wrestling hockey, cricket & football, Sports and fitness for personality development

Practical:-

Organization of health awareness programme in community Preparation of health profile Preparation of a chart on balance diet (age group 6-14) • Yogic Practices- Asana, Kriya, Mudra, Bandha, Dhyana, Surya Namastar. • Contemporary Practices: yogic Sukshma Vyayama, Cyclic Meditation (s-vyasa), Mindfulness based stress reduction Technique (kabatzin), Mind - Sound Resonance Technique (s-vyasa), Raja Yoga Meditation (Brahmakumaris), Transcendental Meditation (Mahesh yogi), Zen Buddhist Meditation, Yoga Nidra (BSY), Savita Ki Dhyana Dharana

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(DSVV) • Participation in one major game one individual sports (among the list of IOA, AIU, SGFI) • Practising general and specific warm-up, Aerobics and Zumba workout. • Practising cardio Respiratory fitness, Treadmill Argometer, Run Test, 21 minute Walk, Skipping and Running

Reference Books:

- 1- Ajith 'Yoga Pravesha' Rashtrotana Paruhad Bangalore.
- 2- B.C. Rai Health Education and Hygiene, published by Prakashan Kendra, Lucknow.
- 3- B.K.S Iyenger Yoga the path to holistic health', Dorling Kindersley Delhi 2001.
- 4- Bachelor of Sports Management Syllabus (Revised) 2008.
- 5- Dixit Suresh (2006) Swasthya Shiksha sports publication, Delhi.
- 6- Puri, K. Chandra, S.S (2005) Health and physical education, New Delhi : Surjeet Publication.

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SKILL ENHANCEMENT COURSE

Subject Code	Paper Name	Credit
SEC01	PERSONALITY DEVELOPMENT	3

Course Objectives:

- ❖ To improve the personality of students and make them versatile
- ❖ To make students more presentable and professional in the corporate world
- ❖ To make them more confident in all spheres of life

Unit – 1

- SWOT Analysis & Johari Window
- Manners & Etiquettes
- Body Language
- Hygiene & Grooming
- Building confidence and developing presentation skills
- Dress code and color pattern.

Unit – 2

- Using English in real life different situations
- Etiquettes for Telephonic communication
- Public speaking skills
- Extempore
- Group discussion & Debate
- Camera facing & Role playing

Unit – 3

- Time Management
- Stress Management
- Situation Handling
- Motivation
- Leadership
- Conflict Resolution

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Unit – 4

- Types of Interview
- Interview facing skills
- Resume writing
- Interview question and answers
- Mock sessions

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ABILITY ENHANCEMENT COURSE

Subject Code	Paper Name	Credit
AEC01A	BASICS OF LANGUAGE STUDIES: HINDI	2

हिन्दी व्याकरण एवं संप्रेषण

- 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 - निबंध कला तथा समसामयिक एवं राष्ट्रीय विषयों पर निबंध लेखन।
- इकाई – 3 - 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 लेखक का आधार भाव और विचारों की प्रस्तुति, वाक् कला की उपयोगिता।

अनुशंसित पुस्तकें -

- वृहत् व्याकरण भास्कर - डॉ. वचनदेव कुमार
- वृहत् निबंध भास्कर - डॉ. वचनदेव कुमार

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Subject Code	Paper Name	Credit
AEC01B	BASICS OF LANGUAGE STUDIES: BANGLA	2

প্রশ্নপত্র সম্পর্কিত নির্দেশ:-

প্রশ্নপত্রে মোট তিনটি বিভাগ (**Section**) থাকবে। পরীক্ষার্থীকে নির্দেশ অনুযায়ী উত্তর দিতে হবে।

দ্রষ্টব্য : লিখিত পরীক্ষার প্রশ্নগুলিতে বিভাগ ও উপবিভাগ থাকতে পারে।

BENGALI COMMUNICATION

Course Contents:

১. সাধারণ বিষয়ে প্রবন্ধ লিখন
২. ভিন্নার্থক শব্দ, বিপরীতার্থক শব্দ, ভাব সম্প্রসারণ, সমার্থক শব্দ
৩. চারিত্রপূজা (বিদ্যাসাগর চরিত)- রবীন্দ্রনাথ ঠাকুর
৪. কর্ণকুন্তী সংবাদ- রবীন্দ্রনাথ ঠাকুর

Reference Books:

১. উচ্চতর বাংলা ব্যাকরণ- বামনদেব চক্রবর্তী
২. ভাষাপ্রকাশ বাংলা ব্যাকরণ- সুনীতিকুমার চট্টোপাধ্যায়

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MULTIDISCIPLINARY COURSE

Subject Code	Paper Name	Credit
MDC01A	BASICS OF STATISTICS	3

1. Sources of data. Population census versus sample surveys. Random sampling.
2. Univariate frequency distributions. Measures of central tendency: mean, median and mode; arithmetic, geometric and harmonic mean. Measures of dispersion, skewness and kurtosis.
3. Bivariate frequency distribution. Correlation and regression. Rank correlation.
4. Introduction to probability theory..
5. Basics of index numbers: price and quantity index numbers.

Readings:

1. P.H. Karmel and M. Polasek (1978), *Applied Statistics for Economists*, 4th edition, Pitman.
2. M.R. Spiegel (2003), *Theory and Problems of Probability and Statistics* (Schaum Series).
3. B.N. Gupta , Statistics (Both Hindi & English)
4. Sukla & Sahay , Statistics (Both Hindi & English)

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Subject Code	Paper Name	Credit
MDC01B	MEDIA HUMAN RIGHTS	3

Objective:

- To develop personal self respect.
- To inform the students about human right.
- To introduce human dignity.

Learning Outcomes:

- The course intends to educate the learner about the history and philosophy of human rights.
- It is aimed to make the student aware about the role of media in human rights promotion.
- The course will acquaint the learner about the tools and techniques of human rights reporting and nuances of human rights journalism.
- The student will learn the intricacies of web based and social media based human rights journalism.
- The course will also highlight the contemporary human rights issues and their relation to media.

Unit 1 : Concept of Human Rights

Concept, Scope and need of Human Rights, Human rights in early ages, Law terms and phrases and their uses in Human Rights

Unit 2 : Various Area And Human Right

Human Rights and Media, Human Rights and Democracy, Human Rights & Education, Human Rights and environmental air and water pollution, Human Rights and Communal Riots, Human Rights in the terrorized areas. Human Rights and Crimes against women, Human Rights of Accused persons, Human Rights and child labour, bonded labour, Human Rights and death, torture in police lockups

Unit 3 : Commission And Human Rights

State Commission for Human Rights, National Commission on Human Rights, Human Rights and right to freedom of speech and expression

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Unit 4 : Contemporary Human Right

Contemporary human rights issues; national and global, Media activism. Social media and Human rights. Fake News, propaganda, and its effects on human rights reporting. Open-source investigation in journalism: tools and applications.

Suggested Readings:

1. Human Rights, A.N. Sen, 2005, Sri Sai Law Publications, Faridabad.
2. Protection of Human Rights, Khwaja Abdul Muntaqim, 2004, Law Allahabad Publishers.

Suggested Digital Platforms:

<https://egyankosh.ac.in/bitstream/123456789/7421/1/Unit-4.pdf>

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Subject Code	Paper Name	Credit
MDC01C	सृजनात्मक लेखन	3

इकाई 1 सृजनात्मक लेखन

सृजनात्मक लेखन अर्थ स्वरूप और बोध

सृजनात्मक लेखन और परविश।

सृजनात्मक लेखन और व्यक्तित्व निर्माण

इकाई 2

सृजनात्मक लेखन : भाषा की संदर्भ

भाव और विचार का भाषा में रूपांतरण

साहित्यिक भाषा की विभिन्न छवियाँ,

प्रति तथा इलेक्ट्रॉनिक माध्यमों की भाषा का अंतर,

इकाई 3 सृजनात्मक लेखन विधि आयाम

कविता, गीत, लघु कथा, हास्य व्यंग्य लेखन, पल्लवन संक्षेपण अनुच्छेद।

अनुशंसित पुस्तकें

1. लेखक एक प्रयास - हरीश चंद्र कांडपाल ब्लू रोज पब्लिशर्स, दिल्ली ।
2. रचनात्मक लेखन - संपादक रमेश गौतम भारतीय ज्ञानपीठ, दिल्ली ।
3. साहित्य चिंतन : रचनात्मक आयाम - रघुवंश

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Subject Code	Paper Name	Credit
MDC01D	INTRODUCTORY MATHEMATICS	3

Course Objectives & Learning Outcomes:

1. This course will enable the students to:
2. Be familiar with the upcoming concepts of Differential calculus, Integral calculus, Vector calculus and trigonometry.

Course Content:

Unit-I: Differential Calculus

Derivatives of some basic functions, Partial derivatives (simple problem)

Unit-II: Integral Calculus

Integration of rational & irrational functions. Partial fractions.(simple problem)

Unit-III: Vector Calculus

Scalar point functions. Vector point functions. Differentiation of a vector of scalar variables.

Unit-IV: Set Theory

Indexed family of sets. Generalized set operations. DeMorgan's Law.

Unit-V: Trigonometry

DeMoivre's theorem & its Applications.

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Subject Code	Paper Name	Credit
MDC01E	BASICS OF LIFE AND SUSTAINABLE SYSTEMS	3

Unit I:

Basic understanding of life, Systems, and its diversification. Biodiversity: Concept and characterization. Origin of cells and unicellular evolution.

Unit II:

Cellular Homeostasis, Basics of Cellular Processes, Molecules of the Life.

Unit III:

Types of Nutrition and Nutritional adaptations for different habitats, Physiological process of life. Transport, Translocation in plants and Circulation in animals.

Unit IV:

Idea of sustainability: Need and concept, Sustainable development and its challenges, Assessment of sustainability, Life cycle analysis, Habitat management, zero waste concept.

Reference Books:

1. Understanding Biodiversity by David Zeigler (May 30, 2007): Amazon Press
2. J. L. Tymoczko, J. M. Berg and L. Stryer, Biochemistry, 8th Ed, W. H. Freeman & Co, 2015.
3. Hall, B.K., Evolution: Principles and Processes, 1st Ed, Jones & Bartlett, 2011.
4. C. R. Cantor and P. R. Schimmel, Biophysical Chemistry (Parts I, II and III), W.H. Freeman & Co., 1980.
5. Becker's World of the Cell: International Edition – 8th Edition Jeff Hardin Gregory Paul Bertoni, Lewis J. Kleinsmith Publishers: Pearson Dorling Kinderflay India / Pearson India (2011).
6. Life: The Science of Biology, William K Purves, D. Sadava, G. H. Orians and H.C. Heller 7th Edn. (2003) Sinauer Associates.

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Subject Code	Paper Name	Credit
MDC01F	BASICS OF GEOGRAPHY	3

Basic of Geography

Unit-I

Meaning, scope, branches, and approaches of geography.

Physical Dimension of Geography: Universe, galaxies, solar system and Earth; Shape and size of the Earth; Revolution and rotation of the Earth; The seasons; Age of the Earth; Longitudes, latitudes, and time.

Unit-II Physical Geography

Geomorphology: Origin of the earth, Interior of the earth, Types and characteristics of rocks, Folding and Faulting, Volcanoes, earthquakes, Interior of the earth, Weathering, Landforms formed by fluvial, Aeolian and glacial actions.

Unit-III Climatology

Atmosphere: structure and composition, Temperature, Pressure belts of the Earth, Wind systems, Clouds and types of rainfall, Cyclones and anti-cyclones, Major climatic types.

Unit-IV Oceanography

Ocean relief, Temperature, salinity, Ocean deposits, Ocean currents, El Nino and La Nina, Waves and tides.

Unit-IV Biogeography

Soil – origin and types, Major biomes of the world, Ecosystem, food chain, Environmental degradation and conservation.
