



## Criterion 1- Curricular Aspects

**1.1.3 Provide a description of courses with focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions / Industries during the last five years**



### **Y B N UNIVERSITY**

**RAJAULATU, NAMKUM, RANCHI (Jharkhand)**

Established by the Act. of Government of Jharkhand Act 15, 2017

Gazette Notification No 505, Dated 17 July 2017

As per Section 2(f) of UGC Act. 1956





# Y B N UNIVERSITY

**RAJAULATU, NAMKUM, RANCHI (Jharkhand)**

Established by the Act. of Government of Jharkhand Act. 15, 2017

Gazette Notification No. 505, Dated 17 July 2017

As per Section 2(f) of UGC Act. 1956

**1.1.3 Provide a description of courses having focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions/Industries during the last five years**

**Response:**

Y.B.N. University, Ranchi, is dedicated to equipping students with the necessary skills, competencies, and entrepreneurial mindset required to excel in their respective fields.

**Competency-Based Learning**

The university emphasizes competency-based education through foundational courses and practical training modules. Programs such as nursing, physiotherapy, pharmacy, paramedical sciences, and teacher education include hands-on training in skill labs, clinical postings, and early clinical exposure.

**Employability Enhancement**

Y.B.N. University has structured its curriculum to ensure employability enhancement across all programs. Practical knowledge, industry-aligned certifications, and soft-skill development are key elements of these initiatives.

**Entrepreneurship Development**

The university fosters an entrepreneurial mindset through specific courses and activities designed to nurture innovation and business acumen.

- **Value-Added Courses:** Programs like business management, biotechnology, and pharmacy include modules on entrepreneurship, intellectual property rights, and innovation management.
- **Entrepreneurship Development Cells (EDCs):** The university has established EDCs to support students in developing startup ideas, preparing business models, and accessing funding opportunities.
- **Incubation Support:** The university provides incubation facilities to students with innovative business ideas, enabling them to prototype and launch their ventures.

**Skill Development Initiatives**

Skill development is a cornerstone of Y.B.N. University's academic framework. The university integrates technical and non-technical skill-building activities into its programs.

- **Early Clinical Exposure:** Programs like nursing and physiotherapy introduce students to clinical settings early in their education, enabling them to build confidence and practical skills.

---

**Campus: YBN University, Rajaulatu, Power Grid Road, Namkum, Ranchi-834010(Jharkhand)**

**Ph : 9431104112 , 9709500400**

**Email:ybnuniversity2017@gmail.com|Website : [www.ybnu.ac.in](http://www.ybnu.ac.in)**





# Y B N UNIVERSITY

**RAJALATU, NAMKUM, RANCHI (Jharkhand)**

Established by the Act. of Government of Jharkhand Act. 15, 2017

Gazette Notification No. 505, Dated 17 July 2017

As per Section 2(f) of UGC Act. 1956

- **Community-Based Education:** Students engage in outreach activities and school camps to develop community-centric healthcare and teaching skills. For example, nursing students participate in rural health camps, providing primary healthcare services and health education to underserved populations.
- **Computer-Assisted Learning (CAL) Labs:** Advanced CAL labs enable students to learn using interactive tools and simulations, enhancing their grasp of complex concepts.

## Foundation and Value Education Courses

The university also offers foundation and value-based courses to ensure holistic development. These courses focus on ethics, critical thinking, and social responsibility.

- **Foundation Courses:** All students are required to complete foundational courses that emphasize interdisciplinary learning, critical thinking, and research methodology.
- **Value Education:** Courses on moral and ethical values are integrated into the curriculum to foster responsible citizenship. This includes programs on environmental sustainability, gender sensitivity, and human rights.

## Outreach and Experiential Learning

To complement classroom learning, the university organizes a variety of outreach activities, school camps, and field visits.

- **School Camps:** Teacher education students participate in camps to deliver educational programs in underprivileged schools, honing their teaching and management skills.
- **Community Outreach Programs:** Healthcare students actively participate in vaccination drives, health awareness campaigns, and disaster relief initiatives, gaining real-world experience.
- **Rural Postings:** Rural healthcare postings expose students to the unique challenges of delivering healthcare services in underserved areas, thereby broadening their perspectives and skills.

## Innovative Pedagogical Approaches

The university employs innovative teaching methods to enhance learning outcomes. Virtual labs, blended learning, and flipped classrooms are widely adopted to make learning interactive and student-centric. Moreover, digital tools like learning management systems and virtual platforms provide students with access to a wealth of resources for self-paced learning.

---

**Campus: YBN University, Rajaulatu, Power Grid Road, Namkum, Ranchi-834010(Jharkhand)**

**Ph : 9431104112 , 9709500400**

**Email: ybnuniversity2017@gmail.com | Website : [www.ybnu.ac.in](http://www.ybnu.ac.in)**





## List of Courses relevant to Employability/Skill Development

### School of Arts & Humanities

Name of the Programme	Course Code	Course Name
B.A. Political Science	1.3Y4CC-8	Digital Education
	3Y4IAP	Internship/apprenticeship/ project
	8Y4RC-3	Research internship/field work
	8Y4RC-4	Research report
M.A. Political Science	1Y2POL(C5)	Academic writing and communication skill
B. A. Home Science	1Y2POL(ECE3)-A	Financial administration
	IRC-3	Care and wellbeing in human development
	AMJ-1	Food safety, sanitation & hygiene
M. A. Home Science	AMJ-4	Food service management
	C4	Consumer economics and financial management
	C7	Ecology and environmental management
B. A. Hindi	3Y4CC-8	Digital education
	3Y4IAP	Internship/apprenticeship/ project
	8Y4RC-3	Research internship/field work
	8Y4RC-4	Research report
M. A. Hindi	1Y2HIN(C5)	रीतिकालीन काव्य
	1Y2HIN(ECE3)-A	प्रयोजनमूलक हिंदी
B. A. Library Science	BLIS-106	Personality Development and Communication Skills
M. A. Library Science	MLIS-106	Information and Communication Technology Applications in LIS (Practice)
	MLIS-206	Dissertation (a) Project Report (b) Viva-Voce
B. A. English	1Y4CC-1	Language and Communication Skill (English)
B. A. Psychology	5Y4PSYMN-2	Sports and Forensic Psychology
	6Y4PSYMN-3	Counselling Skill
	7Y4PSYAMJ-2	Clinical Psychology & Psychopathology
M. A. Psychology	1Y2PSYAEC301A	Stress & Stress Management in Organization
	1Y2PSYAEC301B	Health and Wellness
	1Y2PSYEC403	Counselling and Guidance (Practical)
B. A. History	3Y4CC-8	DIGITAL EDUCATION.
	3Y4IAP	INTERNSHIP/APPRENTICESHIP/ PROJECT
	8Y4RC-3	RESEARCH INTERNSHIP/FIELD WORK
M. A. History	1Y2HISDN	PROJECT
B. A. Philosophy	5Y4PHIMN-2	Western Philosophy
	6Y4PHIMN-3	Indian Ethics





	7Y4RC-1	Research Methodology
	8Y4RC-3	Research Internship
M. A. Philosophy	1Y2PHIDN	Project
B. A. Economics	SEC-1	Soft Skill-I
	SEC-2	Soft Skills-II
	SEC-3	Elementary Computer Application Software

### School of Science

Name of the Programme	Course Code	Name of the Course
B.Sc. Physics	1Y3PHY102	Mathematical Physics-I
	1Y3PHY102P	Mathematical Physics-I Practical
	1Y3PHY103	Mechanics
	1Y3PHY103P	Mechanics Practical
	1Y3PHY203	Current Electricity
	1Y3PHY203P	Current Electricity Practical
	1Y3PHY301	Mathematical Physics-II
	1Y3PHY301P	Mathematical Physics-II Practical
	1Y3PHY302	Electrostatics & Magnetism
	1Y3PHY302P	Electrostatics & Magnetism Practical
	1Y3PHY303	Wave & Acoustics
	1Y3PHY303P	Wave & Acoustics Practical
	1Y3PHY304	Skill Enhancement Course-1
	1Y3PHY401	Optics
	1Y3PHY401P	Optics Practical
	1Y3PHY402	Quantum Mechanics
	1Y3PHY402P	Quantum Practical
	1Y3PHY403	Electromagnetic Theory
	1Y3PHY403P	Electromagnetic Theory Practical
	1Y3PHY404	Skill Enhancement Course -2
	1Y3PHY501	Relativity, Atomic & Molecular Physics
	1Y3PHY501P	Relativity, Atomic & Molecular Physics Practical
	1Y3PHY502	Analog, Electronic & Application
	1Y3PHY502P	Analog, Electronic & Application Practical
	1Y3PHY503	Mathematical Physics DSE - 1
	1Y3PHY503P	Mathematical physics DSE-1 Practical
	1Y3PHY504	Nuclear And Particle Physics DSE-2
	1Y3PHY504P	Nuclear And Particle Physics DSE-2 Practical
	1Y3PHY601	Solid State Physics
	1Y3PHY601P	Solid State Physics Practical
	1Y3PHY603	Classical Mechanics DSE-III
	1Y3PHY603P	Classical Mechanics DSE-III Practical





# Y B N UNIVERSITY

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

1Y3PHY604	Digital System and Application DSE-IV
1Y3PHY604P	Digital System and Application DSE-IV Practical
1Y4IVS-1A	Introductory Vocational Studies-I Computer Basics And Multimedia
1Y4PHY MJ-1	Major paper-1 (Disciplinary/Interdisciplinary Major) <b>Basic Mathematical Physics &amp; Mechanics</b>
2Y4CC-5	Mathematical and Computational Thinking Analysis
2Y4IVS-2B	Introductory Vocational Studies-2 <b>Computer Basics And Multimedia</b>
2Y4PHY MJ-2	Majorpaper-2 (Disciplinary/Interdisciplinary Major) <b>Electromagnetism</b>
3Y4CC-8	Digital Education (Elementary Computer Applications)
3Y4PHY CC-9	Community Engagement & Service (NSS/NCC/Adult education)
3Y4PHY IAP	Internship/Apprenticeship/Project
3Y4PHY MJ-3	Majorpaper-3(Disciplinary/Interdisciplinary Major) <b>Waves and Optics</b>
4Y4PHYMJ-4	Major paper-4 (Disciplinary/Interdisciplinary Major) <b>Mathematical Physics</b>
4Y4PHYMN-1	Minor paper-1 (Disciplinary/Interdisciplinary Minor) <b>Mechanics</b>
5Y4PHYMJ-6	Major Paper-6 (Disciplinary/Interdisciplinary Major) <b>Analog and Digital Electronics</b>
5Y4PHYMJ-7	Major Paper-7 (Disciplinary/Interdisciplinary Major) <b>Elements of Modern Physics</b>
5Y4PHYMN-2	Minor Paper-2 (Disciplinary/Interdisciplinary Minor) <b>Electricity and Magnetism</b>
5Y4PHYVS-2	VocationalStudies-2(Minor)
6Y4PHYMJ-8	Major paper-8 (Disciplinary/Interdisciplinary Major) <b>Quantum Mechanics and Applications</b>
6Y4PHYMJ-9	Major paper-9 (Disciplinary/Interdisciplinary Major) <b>Solid State Physics</b>
6Y4PHYMN-3	Minor paper-3 (Disciplinary/Interdisciplinary Minor) <b>Waves And Optics</b>
6Y4PHYVS-3	Vocational Studies-3(Minor)
7Y4PHYAMJ-1	Advance Major paper-1 (Disciplinary/Interdisciplinary Major) <b>Nuclear and Particle Physics</b>





	7Y4PHYAMJ-2	Advance Major paper-2 (Disciplinary/Interdisciplinary Major) <b>Classical Dynamics</b>
	7Y4PHY ADC-1	Research Methodology (Disciplinary/Interdisciplinary Research)
	7Y4PHYADC-2	Project/Research Proposal (Disciplinary/Interdisciplinary Research)
	8Y4PHYAMJ-3	Advance Major paper-3 (Disciplinary/Interdisciplinary Major) <b>Physics of Devices and Instruments</b>
	8Y4PHYAMJ-4	Advance Major paper-4 (Disciplinary/Interdisciplinary Major) <b>Experimental Techniques</b>
	8Y4PHYADC-3	Research Internship (Disciplinary/Interdisciplinary research)
	8Y4PHYADC-4	Project/Research Report (Disciplinary/Interdisciplinary research)
	8Y4PHYVSR-1	Vocational Studies (Associated with Research)
M.Sc. Physics	1Y2PHY102	Classical Physics & Relativity
	1Y2PHY103	Quantum Mechanics-I
	1Y2PHY201	Electronics
	1Y2PHY202	Quantum Mechanics-II
	1Y2PHY203	Atomic Molecular & Laser Spectroscopy
	1Y2PHY204P	Electricity & Electronics Practical
	1Y2PHY303	Computational Physics & Programming
	1Y2PHY304P	Computational Physics Practical
B.Sc. Chemistry	1Y3CHE102	Inorganic Chemistry-I
	1Y3CHE102P	Inorganic Chemistry-I Practical
	1Y3CHE103	Physical Chemistry-I
	1Y3CHE103P	Physical Chemistry-I Practical
	1Y3CHE202	Organic Chemistry-I
	1Y3CHE202P	Organic Chemistry-I Practical
	1Y3CHE203	Physical Chemistry-II
	1Y3CHE203P	Physical Chemistry-II Practical
	1Y3CHE204	Generic Elective-II
	1Y3CHE204P	Generic Elective-II Practical
	1Y3CHE301	Inorganic Chemistry- II
	1Y3CHE301P	Inorganic Chemistry- II Practical
	1Y3CHE302	Organic Chemistry-II
	1Y3CHE302P	Organic Chemistry- II Practical
	1Y3CHE303	Physical Chemistry- III
	1Y3CHE303P	Physical Chemistry-III Practical
	1Y3CHE401	Inorganic Chemistry- III





# Y B N UNIVERSITY

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

1Y3CHE401P	Inorganic Chemistry- III Practical
1Y3CHE402	Organic Chemistry- III
1Y3CHE402P	Organic Chemistry-III Practical
1Y3CHE403	Physical Chemistry-IV
1Y3CHE403P	Physical Chemistry- IV Practical
1Y3CHE501	Organic Chemistry-IV
1Y3CHE501P	Organic Chemistry-IV Practical
1Y3CHE502	Physical Chemistry-V
1Y3CHE502P	Physical Chemistry-V Practical
1Y3CHE601	Inorganic Chemistry-IV
1Y3CHE601P	Inorganic Chemistry-IV Practical
1Y3CHE602	Organic Chemistry-V
1Y3CHE602P	Organic Chemistry- V Practical
1Y4CHEIRC-1	IntroductoryRegularCourse-1 <b>IntroductoryChemistry</b>
1Y4CHE MJ-1	Majorpaper-1 (Disciplinary/InterdisciplinaryMajor) Inorganic Chemistry-I
2Y4CHEIRC-2	IntroductoryRegularCourse-2 <b>Introductory Chemistry</b>
2Y4CHE MJ-2	Majorpaper-2 (Disciplinary/Interdisciplinary Major) <b>Organic Chemistry-I</b>
3Y4CHE IRC-3	IntroductoryRegularCourse-3 <b>Introductory Chemistry</b>
3Y4CHE MJ-3	Majorpaper-3 (Disciplinary/InterdisciplinaryMajor) <b>Physical Chemistry-I</b>
4Y4CHEMJ-4	Major paper-4 (Disciplinary/InterdisciplinaryMajor)
4Y4CHEMJ-5	Major paper-5 (Disciplinary/InterdisciplinaryMajor) Physical Chemistry-II
5Y4CHEMJ-6	Major Paper-6 (Disciplinary/InterdisciplinaryMajor) Inorganic Chemistry -II
5Y4CHEMJ-7	Major Paper-7 (Disciplinary/InterdisciplinaryMajor) Molecular Spectroscopy & Photochemistry
5Y4CHEMN-2	Minor Paper-2 (Disciplinary/InterdisciplinaryMinor)
6Y4CHEMJ-8	Major paper-8 (Disciplinary/InterdisciplinaryMajor)
6Y4CHEMJ-9	Major paper-9 (Disciplinary/InterdisciplinaryMajor)





# Y B N UNIVERSITY

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

M.Sc. Chemistry		Physical Chemistry-III
	1Y2CHE102	Transition Metal Complex
	1Y2CHE402	Elective Course- IV
	1Y2CHE403 P	Elective Course-V-Practical
B.Sc Bio-Tech	1Y3BT101	Biochemistry & Metabolism
	1Y3BT102	Cell Biology
	1Y3BT103	English communication
	1Y3BT104	Biotechnology and Human Welfare
	1Y3BT201	Mammalian Physiology
	1Y3BT202	Plant and Microbial Physiology
	1Y3BT203	Environmental Science
	1Y3BT204	Entrepreneurship Development
	1YBT301	Genetics
	1YBT302	General Microbiology
	1YBT303	Chemistry-1
	1YBT305	Basics of Forensic Science
	1Y3BT401	Molecular Biology
	1Y3BT402	Immunology
	1Y3BT403	Chemistry -2
	1Y3BT405	Enzymology
	1Y3BT406	Developmental Biology
	1Y3BT501	Bioprocess Technology
	1Y3BT502	Recombinant DNA Technology
	1Y3BT504	Animal Biotechnology
	1Y3BT506	Medical Microbiology
	1Y3BT601	Bio Analytical Tools
	1Y3BT602	Genomics and Proteomics
	1Y3BT603	Plant Biotechnology
	1Y3BT607	Project Work
	1Y4CC-1	Language and Communication Skills (Modern Indian Language including TRL)
	1Y4BTIRC-1	Introductory Biology-1
	1Y4BTMJ-1	Biochemistry & Metabolism
	2Y4CC-5	Mathematical and Computational Thinking Analysis
	2Y4BTIRC-2	Introductory Biology-2
	2Y4BTMJ-2	Cell Biology
	3Y4CC-8	Digital Education (Elementary Computer Applications)
	3Y4BTIRC-3	Introductory Biology-3
	3Y4BTIAP	Project





# Y B N UNIVERSITY

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

	3Y4BTMJ-3	Genetics
	4Y4BTMJ-4	General Microbiology
	4Y4BTMJ-5	Immunology
	4Y4VS-1	Introduction to Stock Market- VS-1
	5Y4BTMJ-6	Recombinant DNA Technology
	5Y4BTMJ-7	Plant Biotechnology
	5Y4BTMN-2	Chemistry
	VS-2	Mushroom Cultivation VS-2
	6Y4BTMJ-8	Animal Biotechnology
	6Y4BTMJ-9	Industrial Biotechnology
	6Y4BTMN-3	Agricultural Biotechnology
	6Y4BS-3	Indian Banking System
	7Y4BTAMJ-1	Molecular Biology
	7Y4BTAMJ-2	Bioinformatics & Nanotechnology
	7Y4RC-1	Research Methodology
	8Y4BTAMJ-3	Biophysics & Bioinstrumentation
	8Y4BTAMJ-4	Genetic Engineering
	8Y4RC-3	Research Internship/Field Work
M.Sc Bio-Tech	1Y2BT101	Molecular Biology and Genomics
	1Y2BT102	Cell Biology
	1Y2BT103	Microbiology
	1Y2BT201	Genetic Engineering
	1Y2BT202	Biochemistry and Biophysics
	1Y2BT203	Immunology
	1Y2BT301	Biostatistics, Computer Application and Bio-Informatics
	1Y2BT302	Plant Biotechnology
	1Y2BT303	Animal Biotechnology
	1Y2BT401	Industrial Biotechnology
	1Y2BT402	Environmental Biotechnology
	1Y2BT404PR	Project/Dissertation





# Y B N UNIVERSITY

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

## List of Courses relevant to Competence

### School of Arts & Humanities

Name of the Programme	Course Code	Course Name
B.A. Political Science	1Y4CC-1	LANGUAGE AND COMMUNICATION SKILLS (ENGLISH)
	2Y4CC-4	LANGUAGE AND COMMUNICATION SKILLS (HINDI)
	2Y4CC-5	MATHEMATICAL & COMPUTATION THINKING ANALYSIS.
	4Y4VS-1	INTRODUCTION TO STOCK MARKET
	7Y4RC-1	RESEARCH METHODOLOGY
	7Y4RC-2	RESEARCH PROPOSAL
M.A. Political Science	1Y2POL(EC1)	RESEARCH METHODOLOGY
	1Y2POLDN	DISSERTATION
B.A. Home Science	MJ-9	FAMILY MEAL MANAGEMENT
	MN-3	CURRENT CONCERNS IN PUBLIC HEALTH NUTRITION
	R1	RESEARCH AND FIELD WORK.
	RR	RESEARCH REPORT
M.A. Home Science	EC-2	RESEARCH METHODS AND STATISTICS
		ADVANCED NUTRITION AND THERAPEUTIC DIET
		EARLY CHILDHOOD CARE EDUCATION
		ADVANCED APPAREL CONSTRUCTION
B.A. Hindi	1Y4CC-1	LANGUAGE AND COMMUNICATION SKILLS (ENGLISH)
	2Y4CC-4	LANGUAGE AND COMMUNICATION SKILLS (HINDI)
	2Y4CC-5	MATHEMATICAL & COMPUTATION THINKING ANALYSIS
	4Y4VS-1	INTRODUCTION TO STOCK MARKET
	7Y4RC-1	RESEARCH METHODOLOGY
	7Y4RC-2	RESEARCH PROPOSAL
M.A. Hindi	1Y2HIN(EC1)	छायावादी एवं छायावादोत्तर
	1Y2HINDN	लघु शोध प्रबंध अथवा साहित्यिक एवं भाषा सम्बन्धी निबंध
B.A. Library Science	BLIS-105	Basics of Computers and Information Communication Technology (Practice)
	BLIS-206	Internship Programme (a) Report on Training Activities & (b) Viva-Voce)
M.A. Library Science	MLIS-105	Information and Communication Technology Applications in LIS (Theory)
	MLIS-203	Information Retrieval Systems
B.A. English	1Y4ENGMJ-1	Understanding English Poetry
	2Y4ENGMJ-2	Understanding English Drama





# Y B N UNIVERSITY

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

	3Y4ENGMJ-3	Understanding English Fiction
	4Y4ENGMJ-5	Introduction to Language and Linguistics
	5Y4ENGMJ-7	Literary Criticism
	7Y4ENGAMJ-1	Literary Theory and Concepts
	8Y4ENGAMJ-4	Linguistics and English Language -Teaching (ELT) B. Creative, Writing and Translation
M.A. English	1Y2ENG(C4)	Language and Linguistics
	1Y2ENGAEC	Linguistics—Advanced Phonology and Morphology of English
	1Y2ENG(C11)	Literary Criticism and Contemporary Theories
	1Y2ENG(GE1)	Linguistics—Advanced Syntax and Semantics of English
B.A. Psychology	1Y4PSYMJ-1	Introduction to Psychology
	2Y4PSYMJ-2	Psychology and its Application
	4Y4PSYMJ-5	Foundation of Developmental Psychology
	5Y4PSYMJ-7	Positive Psychology
	6Y4PSYMJ-9	Vedic Psychology
	8Y4 PSYAMJ-4	Foundation of Organizational Behaviour
M.A. Psychology	1Y2PSY303(C9)	Clinical Psychology
B.A. History	<b>1Y4CC-1</b>	LANGUAGE AND COMMUNICATION SKILLS (ENGLISH)
	<b>2Y4CC-4</b>	LANGUAGE AND COMMUNICATION SKILLS (HINDI)
	<b>2Y4CC-5</b>	MATHEMATICAL & COMPUTATION THINKING ANALYSIS.
	<b>7Y4RC-1</b>	<b>RESEARCH METHODOLOGY</b>
	<b>7Y4RC-2</b>	<b>RESEARCH PROPOSAL.</b>
M.A. History	<b>1Y2HISAEC</b>	<b>SKILLS IN HISTORY WRITING</b>
B.A. Philosophy	1Y4PSYMJ-1	Indian Philosophy
	2Y4PSYMJ-2	Greek and Modern Western Philosophy
	3Y4PSYMJ-3	Epistemology- Indian & Western
	4Y4VS-1	Vocational Studies-1(Minor)
	5Y4VS-2	Vocational Studies 2 (Minor)
	6Y4VS-3	Vocational Studies 3 (Minor)
	8Y4AMJ-4	Continental Philosophy
	1Y2PHI(C4)	Greek and Modern Western Philosophy
M.A. Philosophy	1Y2PHI(C5)	Indian & Western Epistemology
	1Y2PHI(C9)	Schools of Vedanta
	1Y2PHI(GE2	A. Phenomenology & Existentialism/ B. Philosophical Theology
B. A. Economics	MJ-3	Structure of The Indian Economics
	MJ-5	International Trade
	MJ-4	Public Finance
	MJ-10	Theory of Market and Distribution





# Y B N UNIVERSITY

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

	MJ-15	Rural Development
	MJ-19	Model of Growth and Development
	AMJ-2	Gender and Development
		Macro Economics Analysis
		International Economics
		Reserch & Project Work or computer and Skill Development
		Dissertation

## School of Science

Name of the Programme	Course Code	Name of the Course
B.Sc. Physics	1Y3PHY101	Communications English- I/Environment al Science-I
	1Y3PHY102	Mathematical Physics-I
	1Y3PHY102P	Mathematical Physics-I Practical
	1Y3PHY103	Mechanics
	1Y3PHY103P	Mechanics Practical
	1Y3PHY104	Generic Elective-I
	1Y3PHY104P	Generic Elective-I Practical
	1Y3PHY201	English Communications- II/Environmental Science-II
	1Y3PHY202	Thermal Physics
	1Y3PHY202P	Thermal Physics Practical
	1Y3PHY203	Current Electricity
	1Y3PHY203P	Current Electricity Practical
	1Y3PHY204	Generic Elective-II
	1Y3PHY204P	Generic Elective-II Practical
	1Y3PHY301	Mathematical Physics-II
	1Y3PHY301P	Mathematical Physics-II Practical
	1Y3PHY302	Electrostatics & Magnetism
	1Y3PHY302P	Electrostatics & Magnetism Practical
	1Y3PHY303	Wave & Acoustics
	1Y3PHY303P	Wave & Acoustics Practical
	1Y3PHY304	Skill Enhancement Course-1
	1Y3PHY305	Generic Elective - III
	1Y3PHY305P	Generic Elective - IIIP
	1Y3PHY401	Optics
	1Y3PHY401P	Optics Practical
	1Y3PHY402	Quantum Mechanics
	1Y3PHY402P	Quantum Practical
	1Y3PHY403	Electromagnetic Theory





# Y B N UNIVERSITY

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

1Y3PHY403P	Electromagnetic Theory Practical
1Y3PHY404	Skill Enhancement Course -2
1Y3PHY405	Generic Elective -IV
1Y3PHY405P	Generic Elective - IVP
1Y3PHY501	Relativity, Atomic & Molecular Physics
1Y3PHY501P	Relativity, Atomic & Molecular Physics Practical
1Y3PHY502	Analog, Electronic & Application
1Y3PHY502P	Analog, Electronic & Application Practical
1Y3PHY503	Mathematical Physics DSE - 1
1Y3PHY503P	Mathematical physics DSE-I Practical
1Y3PHY504	Nuclear And Particle Physics DSE-2
1Y3PHY504P	Nuclear And Particle Physics DSE-2 Practical
1Y3PHY601	Solid State Physics
1Y3PHY601P	Solid State Physics Practical
1Y3PHY602	Statistical Mechanism
1Y3PHY602P	Statistical Mechanism Practical
1Y3PHY603	Classical Mechanics DSE-III
1Y3PHY603P	Classical Mechanics DSE-III Practical
1Y3PHY604	Digital System and Application DSE-IV
1Y3PHY604P	Digital System and Application DSE-IV Practical
1Y4CC-1	Language and Communication Skills (Modern Indian Language including TRL)
1Y4CC-2	Understanding India
1Y4CC-3	Health & Wellness, Yoga Education Sports& Fitness
1Y4PHYIRC-1	IntroductoryRegularCourse-1 <b>Introductory Physics</b>
1Y4IVS-1A	Introductory Vocational Studies-I Computer Basics And Multimedia
1Y4PHY MJ-1	Majorpaper-1 (Disciplinary/Interdisciplinary Major) <b>Basic Mathematical Physics &amp; Mechanics</b>
2Y4CC-4	Language and Communication Skills (Hindi)
2Y4CC-5	Mathematical and Computational Thinking Analysis
2Y4CC-6	Global Citizenship Education& Education for Sustainable Development
2Y4PHYIRC-2	IntroductoryRegularCourse-2 <b>Introductory Physics</b>





# Y B N UNIVERSITY

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

2Y4IVS-2B	Introductory Vocational Studies-2 <b>Computer Basics And Multimedia</b>
2Y4PHY MJ-2	Major paper-2 (Disciplinary/Interdisciplinary Major) <b>Electromagnetism</b>
3Y4EVS CC-7	Environmental Studies/EVS
3Y4CC-8	Digital Education (Elementary Computer Applications)
3Y4PHY CC-9	Community Engagement & Service (NSS/NCC/Adult education)
3Y4PHY IRC-3	Introductory Regular Course-3 <b>Introductory Physics</b>
3Y4PHY IAP	Internship/Apprenticeship/Project
3Y4PHY MJ-3	Major paper-3 (Disciplinary/Interdisciplinary Major) <b>Waves and Optics</b>
4Y4PHYMJ-4	Major paper-4 (Disciplinary/Interdisciplinary Major) <b>Mathematical Physics</b>
4Y4PHYMJ-5	Major paper-5 (Disciplinary/Interdisciplinary Major) <b>Thermal and Statistical Physics</b>
4Y4PHYMN-1	Minor paper-1 (Disciplinary/Interdisciplinary Minor) <b>Mechanics</b>
4Y4VS-1	Vocational Studies-1 (Minor) Introduction to Stock Market
5Y4PHYMJ-6	Major Paper-6 (Disciplinary/Interdisciplinary Major) <b>Analog and Digital Electronics</b>
5Y4PHYMJ-7	Major Paper-7 (Disciplinary/Interdisciplinary Major) <b>Elements of Modern Physics</b>
5Y4PHYMN-2	Minor Paper-2 (Disciplinary/Interdisciplinary Minor) <b>Electricity and Magnetism</b>
5Y4PHYVS-2	Vocational Studies-2 (Minor)
6Y4PHYMJ-8	Major paper-8 (Disciplinary/Interdisciplinary Major) <b>Quantum Mechanics and Applications</b>
6Y4PHYMJ-9	Major paper-9 (Disciplinary/Interdisciplinary Major) <b>Solid State Physics</b>





# Y B N UNIVERSITY

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

	6Y4PHYMN-3	Minor paper-3 (Disciplinary/Interdisciplinary Minor) <b>Waves And Optics</b>
	6Y4PHYVS-3	Vocational Studies-3(Minor)
	7Y4PHYAMJ-1	Advance Major paper-1 (Disciplinary/Interdisciplinary Major) <b>Nuclear and Particle Physics</b>
	7Y4PHYAMJ-2	Advance Major paper-2 (Disciplinary/Interdisciplinary Major) <b>Classical Dynamics</b>
	7Y4PHY ADC-1	Research Methodology (Disciplinary/Interdisciplinary Research)
	7Y4PHYADC-2	Project/Research Proposal (Disciplinary/Interdisciplinary Research)
	8Y4PHYAMJ-3	Advance Major paper-3 (Disciplinary/Interdisciplinary Major) <b>Physics of Devices and Instruments</b>
	8Y4PHYAMJ-4	Advance Major paper-4 (Disciplinary/Interdisciplinary Major) <b>Experimental Techniques</b>
	8Y4PHYADC-3	Research Internship (Disciplinary/Interdisciplinary research)
	8Y4PHYADC-4	Project/Research Report (Disciplinary/Interdisciplinary research)
	8Y4PHYVSR-1	Vocational Studies (Associated with Research)
M.Sc. Physics	1Y2PHY101	Environmental Studies
	1Y2PHY102	Classical Physics & Relativity
	1Y2PHY103	Quantum Mechanics-I
	1Y2PHY104P	Atomic Physics Practical
	1Y2PHY201	Electronics
	1Y2PHY202	Quantum Mechanics-II
	1Y2PHY203	Atomic Molecular & Laser Spectroscopy
	1Y2PHY204P	Electricity & Electronics Practical





# Y B N UNIVERSITY

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

	1Y2PHY301	Condensed Matter Physics
	1Y2PHY302	Nuclear Physics
	1Y2PHY303	Computational Physics & Programming
	1Y2PHY304P	Computational Physics Practical
	1Y2PHY401	Electrodynamics & Plasma Physics
	1Y2PHY402	Condensed Matter Physics -I
	1Y2PHY403	Condensed Matter Physics -II
M.Sc. Physics	1Y2PHY404P	Elective Course Practical
B.Sc. Chemistry	4Y4VS-1	Vocational Studies-1(Minor)
	7Y4CHEAMJ-2	Advance Major paper-2 (Disciplinary/Interdisciplinary Major) Polymer Science
	8Y4CHEAMJ-3	Advance Major paper-3 (Disciplinary/Interdisciplinary Major) Advanced Analytical Chemistry
	8Y4CHEAMJ-4	Advance Major paper-4 (Disciplinary/Interdisciplinary Major) Bioinorganic Chemistry
B.Sc Bio-Tech	1Y3BT101	Biochemistry & Metabolism
B.Sc Bio-Tech	1Y3BT102	Cell Biology
B.Sc Bio-Tech	1Y3BT103	English communication
B.Sc Bio-Tech	1Y3BT104	Biotechnology and Human Welfare
B.Sc Bio-Tech	1Y3BT201	Mammalian Physiology
B.Sc Bio-Tech	1Y3BT202	Plant and Microbial Physiology
B.Sc Bio-Tech	1Y3BT203	Environmental Science
B.Sc Bio-Tech	1YBT301	Genetics
B.Sc Bio-Tech	1YBT302	General Microbiology
B.Sc Bio-Tech	1YBT303	Chemistry-1
B.Sc Bio-Tech	1Y3BT401	Molecular Biology
B.Sc Bio-Tech	1Y3BT402	Immunology
B.Sc Bio-Tech	1Y3BT403	Chemistry -2





# Y B N UNIVERSITY

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

B.Sc Bio-Tech	1Y3BT406	Developmental Biology
B.Sc Bio-Tech	1Y3BT501	Bioprocess Technology
B.Sc Bio-Tech	1Y3BT502	Recombinant DNA Technology
B.Sc Bio-Tech	1Y3BT504	Animal Biotechnology
B.Sc Bio-Tech	1Y3BT506	Medical Microbiology
B.Sc Bio-Tech	1Y3BT601	Bio Analytical Tools
B.Sc Bio-Tech	1Y3BT602	Genomics and Proteomics
B.Sc Bio-Tech	1Y3BT603	Plant Biotechnology
B.Sc Bio-Tech	1Y4CC-1	Language and Communication Skills
B.Sc Bio-Tech	1Y4BTIRC-1	Introductory Biology-1
B.Sc Bio-Tech	1Y4BTMJ-1	Biochemistry & Metabolism
B.Sc Bio-Tech	2Y4CC-4	Language and Communication Skills (Hindi)
B.Sc Bio-Tech	2Y4CC-5	Mathematical and Computational Thinking Analysis
B.Sc Bio-Tech	2Y4BTIRC-2	Introductory Biology-2
B.Sc Bio-Tech	2Y4BTMJ-2	Cell Biology
B.Sc Bio-Tech	3Y4CC-8	Digital Education (Elementary Computer Applications)
B.Sc Bio-Tech	3Y4BTIRC-3	Introductory Biology-3
B.Sc Bio-Tech	3Y4BTMJ-3	Genetics
B.Sc Bio-Tech	4Y4BTMJ-4	General Microbiology
B.Sc Bio-Tech	4Y4BTMJ-5	Immunology
B.Sc Bio-Tech	4Y4BTMN-1	Pharmaceutical Biotechnology
B.Sc Bio-Tech	4Y4VS-1	Introduction to Stock Market- VS-1
B.Sc Bio-Tech	5Y4BTMJ-6	Recombinant DNA Technology
B.Sc Bio-Tech	5Y4BTMJ-7	Plant Biotechnology
B.Sc Bio-Tech	5Y4BTMN-2	Chemistry
B.Sc Bio-Tech	VS-2	Mushroom Cultivation
B.Sc Bio-Tech	6Y4BTMJ-8	Animal Biotechnology





# Y B N UNIVERSITY

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

B.Sc Bio-Tech	6Y4BTMJ-9	Industrial Biotechnology
B.Sc Bio-Tech	6Y4BTMN-3	Agricultural Biotechnology
B.Sc Bio-Tech	6Y4BS-3	Indian Banking System
B.Sc Bio-Tech	7Y4BTAMJ-1	Molecular Biology
B.Sc Bio-Tech	7Y4BTAMJ-2	Bioinformatics & Nanotechnology
B.Sc Bio-Tech	8Y4BTAMJ-3	Biophysics & Bioinstrumentation
B.Sc Bio-Tech	8Y4BTAMJ-4	Genetic Engineering
M.Sc Bio-Tech	1Y2BT101	Molecular Biology and Genomics
M.Sc Bio-Tech	1Y2BT102	Cell Biology
M.Sc Bio-Tech	1Y2BT103	Microbiology
M.Sc Bio-Tech	1Y2BT201	Genetic Engineering
M.Sc Bio-Tech	1Y2BT202	Biochemistry and Biophysics
M.Sc Bio-Tech	1Y2BT203	Immunology
M.Sc Bio-Tech	1Y2BT301	Biostatistics, Computer Application and Bio-Informatics
M.Sc Bio-Tech	1Y2BT302	Plant Biotechnology
M.Sc Bio-Tech	1Y2BT303	Animal Biotechnology
M.Sc Bio-Tech	1Y2BT401	Industrial Biotechnology
B.Sc.Maths. Hons. (NEP)	1Y4MATMJ-1	Calculus & Geometry
	2Y4MATMJ-2	Multivariate Calculus
	3Y4MATMJ-3	Ordinary and Partial Differentiation
	4Y4MATMJ-4	Real Analysis
	4Y4MATMJ-5	Mechanics
	5Y4MATMJ-6	Abstract Algebra
	5Y4MATMJ-7	Linear Algebra
	6Y4MATMJ-8	Complex Analysis & Metric Space
	6Y4MATMJ-9	Numerical Analysis
	7Y4MATAMJ-1	Linear Programming
	7Y4MATAMJ-2	Advance Mechanics
	8Y4MATAMJ-3	Probability & Statistics
	8Y4MATAMJ-4	Discrete Mathematics





# Y B N UNIVERSITY

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

	4Y4MATMN-1	Differential, Integral & Vector Calculus
	5Y4MATMN-2	Geometry, Group Theory, Differential Equation
	6Y4MATMN-3	Real Analysis, Complex Analysis, Matrices
B.Sc Zoology	2Y4CC-5	Mathematical and Computational Thinking Analysis
	1Y3 ZOO404	Aquarium Fish Keeping
	1Y3 ZOO405	Environment and Public Health
	1Y3ZOO503	Agrochemicals and Pest Management
	1Y3ZOO603	Animal Biotechnology
	1Y3ZOO604	Basics of Neuroscience
M.Sc Zoology	1Y2ZOO103	Methods in Biology
	1Y2ZOO 201	Cellular Organization and fundamental processes
	1Y2ZOO 203	System physiology
	1Y2ZOO303	Fish and Fisheries

## School of Legal Studies

Name of the Programme	Course Code	Name of the Course
LLB	LLB101	Jurisprudence
	LLB102	Constitutional Law- I
	LLB103	Law of Contract
	LLB201	Law of Crime (Indian Penal Code)
	LLB202	Constitutional Law- ii
	LLB203	Family Law – I (Hindu Law)
	LLB301	Family Law – II (Muslim Law)
	LLB302	Property Law
	LLB303	Law of Torts
	LLB401	Criminal Procedure Code.
	LLB402	Public International Law
	LLB501	Civil Procedure Code and Limitation Act.
	LLB502	Law of Evidence
	LLB503	Administrative Law
	LLB505	Drafting, Pleading and Conveyance (Clinical Paper)
	LLB604	Land Tenure (Optional Paper)
BBA LLB	BBALLB503	Jurisprudence
	BBALLB403	Constitutional Law- I
	BBALLB204	Law of Contract





# Y B N UNIVERSITY

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

	BBALLB603	Law of Crime (Indian Penal Code)
	BBALLB504	Constitutional Law- ii
	BBALLB304	Family Law – I (Hindu Law)
	BBALLB701	Family Law – II (Muslim Law)
	BBALLB702	Property Law
	BBALLB703	Law of Torts
	BBALLB801	Criminal Procedure Code.
	BBALLB802	Public International Law
	BBALLB901	Civil Procedure Code and Limitation Act.
	BBALLB902	Law of Evidence
	BBALLB903	Administrative Law
	BBALLB905	Drafting, Pleading and Conveyance (Clinical Paper)
	BBALLB1004	Land Tenure (Optional Paper)

Name of the Programme	Course Code	Name of the Course
B. Tech (Mech.)	YBE101	Engineering Chemistry
	YBE102	Engineering Mathematics -I
	YBE203	Basic Mechanical Engg.
	YBE 301	Mathematics -II
	YBME-302	Production Process
	YBME-303	Strength & Mechanics of Materials
	YBME-304	Thermodynamics
	YBME-305	Machine drawing & Design
	YBE401	Mathematics -III
	YBME402	<b>Material Science and Metallurgy</b>
	YBME403	<b>Theory of M/C and Mechanism</b>
	YBME404	Thermal Engg and gas dynamics
	YBME405	Fluid Mechanics
	YBME502	Turbo Machinery
	YBME503	Mechanical Measurement & Control
	YBME505	Dynamics of Machines
	YBME602	Power Plant Engg
	YBME603	Metal Cutting and CNC machines
	YBME604	IC engines
	YBME605	Heat and Mass Transfer
	YBME703	Mechanical Vibration & Noise Engineering
	YBME704	Automobile Engg
	YBME802	Machine Design
	YBME803	Refrigeration & Air Conditioning





# Y B N UNIVERSITY

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

## School of Commerce & Management

Name of the Programme	Course Code	Course Name
UG Management	1Y4CC-3	HEALTH AND WELLNESS, YOGA EDUCATION
MBA (PG)	1Y2MBA104	Management Information System and E-Governance
MBA (PG)	1Y2MBA106	Quantitative Techniques for Management
MBA (PG)	1Y2MBA108	Computer Application for Managers
MBA (PG)	1Y2MBA303	Advertisement & Sales Promotion
MBA (PG)	1Y2MBA334	Supply Chain Management
MBA (PG)	1Y2MBA355	Vender Managed inventory
MBA (PG)	1Y2MBA404	Digital marketing
MBA (PG)	1Y2MBA410	Stress Management
MBA (PG)	1Y2MBA412	Working Capital Management
MBA (PG)	1Y2MBA418	System Analysis & Design
MBA (PG)	1Y2MBA434	Materials Management
UG COMMERCE	1Y4CC-3	HEALTH AND WELLNESS, YOGA EDUCATION
UG COMMERCE	RC-2	Research Proposal
UG COMMERCE	AMJ-4	Business Data Analytics
M.Com (PG)	1Y2COM105	Computer Application For Managers
M.Com (PG)	1Y2COM304	Working Capital Management
M.Com (PG)	1Y2COM306B	Funds Management In Banking
M.Com (PG)	1Y2COM404CA	Software Project & Quality Management

## School of Agricultural Science

Programme Name	Course Code	Course Name
		Fundamentals of Agronomy
		Fundamentals of Soil Science
		Fundamentals of Horticulture
		Introduction to Forestry
		Fundamentals of Plant Biochemistry and Biotechnology
		Rural Sociology & Educational Psychology
		English Communication-I
		Fundamentals of Genetics





# Y B N UNIVERSITY

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

	Fundamentals of Plant Pathology and Agricultural Microbiology
	Soil and Water Conservation Engineering
	Fundamentals of Crop Physiology
	Fundamentals of Entomology
	Fundamentals of Agricultural Extension Education
	Fundamentals of Agricultural Economics
	Computer Fundamentals, Internet, MS-Office
	Crop Production Technology – I ( <i>Kharif Crops</i> )
	Fundamentals of Plant Breeding
	Agricultural Finance and Cooperation
	Production Technology for Vegetables and Spices
	Environmental Studies and Disaster Management
	Statistical Methods
	Livestock and Poultry Management
	Agri- Informatics
	Farm Machinery and Power

## School of Nursing

Name of the Programme	Course Code	Course Name
B.SC. NURSING	ENGL 101	COMMUNICATIVE ENGLISH
	ANAT105	APPLIED ANATOMY
	PHYS 110	APPLIED PHYSIOLOGY
	SOCI 115	APPLIED SOCIOLOGY
	PSYC 120	APPLIED PSYCHOLOGY
	N-NF (I)125	NURSING FOUNDATION-1
	BIOC 135	APPLIED BIOCHEMISTRY
	NUTR 140	APPLIED NUTRITION & DIETICS
	N-NF (I)125	NURSING FOUNDATION-II
	HNIT 145	HEALTH/NURSING INFORMATICS & TECHNOLOGY
	MICR 201	APPLIED MICROBIOLOGY AND INFECTION CONTROL
	PHAR(I)205	PHARMACOLOGY-1
	PATH (1) 210	PATHOLOGY 1
	N-AHN (I) 215	ADULT HEALTH NURSING I WITH INTEGRATED PATHOPHYSIOLOGY
	PHAR(II)205	PHARMACOLOGY II INCLUDING FUNDAMENTAL OF PRESCRIBING MODULE





# Y B N UNIVERSITY

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

	PATH (II) 210	PATHOLOGY II & GENETICS
	N-AHN (II) 215	ADULT HEALTH NURSING II WITH INTEGRATED PATHOPHYSIOLOGY INCLUDING GERIATRIC NURSING
	PROF 230	PROFESSIONALISM, PROFESSIONAL VALUES AND ETHICS INCLUDING BIOETHICS
	N-CHN (1)	CHILD HEALTH NURSING INCLUDING ESSENTIAL NEWBORN CARE (ENBC), FBNC, IMNCI AND PLS, MODLES
	N-MHN (1) 305	MENTAL HEALTH NURSING 1
	N-COMH (1)	COMMUNITY HEALTH NURSING I INCLUDING ENVIRONMENT

## School of Paramedical

Name of the Programme	Course Code	Course Name
B. Optometry	YBOPTM 304	Dispensing Optics & Ophthalmic Lenses
	YBOPTM 402	Clinical Refraction
	YBOPTM 504	Public Health & Community Optometry

## School of Computer Science & IT

Name of the Programme	Course Code	Course Name
BCS (SE)		Artificial Intelligence
BCS (SE)		Introduction to Block Chain Technology
BCS (SE)		Machine Learning
BCS (SE)		Deep Learning
BCS (SE)		IoT and Sensors





# Y B N UNIVERSITY

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

## List of Course relevant to Skill Development

Name of the Programme	Course Code	Name of the Course
B.Sc. Physics	1Y3PHY101	Communications English - I/Environmental Science-I
	1Y3PHY102	Mathematical Physics-I
	1Y3PHY103	Mechanics
	1Y3PHY104	Generic Elective-I
	1Y3PHY201	English Communications- II/Environmental Science-II
	1Y3PHY203	Current Electricity
	1Y3PHY204	Generic Elective-II
	1Y3PHY301	Mathematical Physics-II
	1Y3PHY302	Electrostatics & Magnetism
	1Y3PHY304	Skill Enhancement Course-1
	1Y3PHY305	Generic Elective - III
	1Y3PHY403	Electromagnetic Theory
	1Y3PHY404	Skill Enhancement Course -2
	1Y3PHY405	Generic Elective -IV
	1Y3PHY405P	Generic Elective - IVP
	1Y3PHY501	Relativity, Atomic & Molecular Physics
	1Y3PHY502	Analog, Electronic & Application
	1Y3PHY503	Mathematical Physics DSE - 1
	1Y3PHY601	Solid State Physics
	1Y3PHY603	Classical Mechanics DSE-III
	1Y3PHY604	Digital System and Application DSE-IV
	1Y4CC-1	Language and Communication Skills (Modern Indian Language including TRL)
	1Y4CC-3	Health & Wellness, Yoga Education Sports & Fitness
	1Y4PHYIRC-1	Introductory Physics
	1Y4IVS-1A	Computer Basics And Multimedia
	1Y4PHY MJ-1	Basic Mathematical Physics & Mechanics
	2Y4CC-4	Language and Communication Skills (Hindi)
	2Y4CC-5	Mathematical and Computational Thinking Analysis
	2Y4CC-6	Global Citizenship Education & Education for Sustainable Development
	2Y4PHYIRC-2	Introductory Physics
	2Y4IVS-2B	Computer Basics And Multimedia
	2Y4PHY MJ-2	Electromagnetism
	3Y4CC-8	Digital Education (Elementary Computer Applications)
	3Y4PHY CC-9	Community Engagement & Service (NSS/NCC/Adult education)
	3Y4PHY IRC-3	Introductory Physics
	4Y4PHYMJ-4	Mathematical Physics
	4Y4PHYMN-1	Mechanics
	4Y4VS-1	Introduction to Stock Market
	5Y4PHYMJ-6	Analog and Digital Electronics
	5Y4PHYMN-2	Electricity and Magnetism





# Y B N UNIVERSITY

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

	5Y4PHYVS-2	VocationalStudies-2 (Minor)
	6Y4PHYMJ-9	Solid State Physics
	6Y4PHYVS-3	Vocational Studies-3(Minor)
	7Y4PHYAMJ-2	Classical Dynamics
	7Y4PHY ADC-1	Research Methodology (Disciplinary/Interdisciplinary Research)
	7Y4PHYADC-2	Project/Research Proposal (Disciplinary/Interdisciplinary Research)
	8Y4PHYAMJ-3	Physics of Devices and Instruments
	8Y4PHYAMJ-4	Experimental Techniques
	8Y4PHYADC-4	Project/Research Report (Disciplinary/Interdisciplinary research)
	8Y4PHYVSR-1	Vocational Studies (Associated with Research)
M.Sc. Physics	1Y2PHY102	Classical Physics & Relativity
	1Y2PHY103	Quantum Mechanics-I
	1Y2PHY201	Electronics
	1Y2PHY202	Quantum Mechanics-II
	1Y2PHY203	Atomic Molecular & Laser Spectroscopy
	1Y2PHY301	Condensed Matter Physics
	1Y2PHY303	Computational Physics & Programming
	1Y2PHY402	Condensed Matter Physics -I
	1Y2PHY403	Condensed Matter Physics -II
B.Sc. Chemistry	1Y3CHE104	Generic Elective-I
	1Y3CHE305	Generic Elective-III
	1Y3CHE305P	Generic Elective- IIIP
	1Y3CHE405	Generic Elective-IV
	1Y3CHE405P	Generic Elective- IVP
	1Y4IVS-1A	Introductory Vocational Studies-I
	2Y4IVS-2B	Introductory Vocational Studies-2
	4Y4CHEMN-1	Minor paper-1 (Disciplinary/InterdisciplinaryMinor) Chemistry in everyday life
	5Y4CHEVS-2	VocationalStudies-2(Minor)
	7Y4CHEAMJ-1	Advance Major paper-1 (Disciplinary/Interdisciplinary Major) Nanomaterial Synthesis and Characterization
M.Sc. Chemistry	1Y2CHE201	Elective Course-I





# Y B N UNIVERSITY

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

	1Y2CHE303	Elective Course
B. Sc Bio-Tech	1Y3BT101	Biochemistry & Metabolism
	1Y3BT102	Cell Biology
	1Y3BT201	Mammalian Physiology
	1Y3BT204	Entrepreneurship Development
	1YBT303	Chemistry-1
	1YBT305	Basics of Forensic Science
	1Y3BT403	Chemistry -2
	1Y3BT405	Enzymology
	1Y3BT601	Bio Analytical Tools
	1Y3BT607	Project Work
		Health & Wellness, Yoga Education, Sports & Fitness
	1Y4CC-3	
	3Y4BTIAP	Project
	4Y4VS-1	Introduction to Stock Market- VS-1
	VS-2	Mushroom Cultivation VS-2
	6Y4BTMN-3	Agricultural Biotechnology
	6Y4BS-3	Indian Banking System
	7Y4RC-1	Research Methodology
	7Y4RC-2	Research Proposal
	8Y4RC-3	Research Internship/Field Work
	8Y4RC-4	Research Report
	8Y4VSR	Vocational Studies
M. Sc Bio-Tech	1Y2BT102	Cell Biology
	1Y2BT202	Biochemistry and Biophysics
	1Y2BT301	Biostatistics, Computer Application and Bio-Informatics
	1Y2BT404PR	Project/Dissertation

## School of Legal Studies

LLB	LLB102	Constitutional Law I
	LLB105	General English
	LLB504	Intellectual Property Rights Law and I.P.R. Litigation (Optional Paper)
	BBALLB1003	Labour Law
BBA LLB	BBALLB403	Constitutional Law I
	BBALLB103	General English Paper-1
	BBALLB203	General English Paper-II
	BBALLB303	General English Paper-iii





# Y B N UNIVERSITY

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

	BBALLB904	Intellectual Property Rights Law and I.P.R. Litigation (Optional Paper)
	BBALLB1003	Labour Law

## School of Pharmacy

Name of the Programme	Course Code	Course Name
B. Pharm	BP105T	Communication Skill
B. Pharm	BP606T	Quality Assurance
M. Pharm	MPH203T	Computer Aided Drug Delivery System
M. Pharm	MPG104T	Industrial Pharmacognostical Teachnology

## School of Engineering & Technology

Name of the Programme	Course Code	Course Name
B. Tech (Mech.)	YBE 103	Communication Skills
	YBE 105	Engineering Graphics
	YBE205	Basic Computer Engg.
	YBME -305	Machine drawing & design
	YBME -306	Computer Programming (Java)
	YBME406	Dot Net
	YBME504	Machine Component Design
	YBME606	Computer Aided Engg
	YBME704	Automobile Engg
	YBME804	Automobile Engg
B. Tech (E& C)	YBEC105	Engineering Graphics
	YBEC106	Work Shop Practice
	YBEC201	Engineering Physics
	YBEC203	Basic Mechanical Engg.
	YBEC204	Basic Civil Engg. & Engg. Mechanics
	YBEC205	Basic Computer Engg.
	YBEC-303	Network Analysis & Synthesis
	YBEC-304	Signals and Systems
	YBEC-305	Digital Electronics
	YBEC-306	Electrical Engineering
	YBEC- 403	Electronic Circuits





# Y B N UNIVERSITY

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

	YBEC-404	Analog Communication
	YBEC-405	Computer Organization & Architecture
	YBEC-406	Solid State Devices
	YBEC-501	Digital Signal Processing
	YBEC-502	Quantitative Techniques For Managerial Decisions
	YBEC-503	Electromagnetic Field Theory
	YBEC- 504	Digital Communication
	YBEC-505	Microprocessors & Microcontrollers
	YBEC- 506	Linear Integrated Circuits
	YBEC- 601	Basics of VLSI Design
	YBEC-602	Engineering Economics and Principles of Management
	YBEC-603	Radiation and Propagation
	YBEC- 604	Control Systems
	YBEC-605	Optical communication
	YBEC-09 Lxx	Satellite Communication (ELECT.)
	YBEC-701	Information Theory and Coding
	YBEC- 702	Microwave Engineering
	YBEC-703	Analog & Mixed MOS Circuits
	YBEC-704	Digital System Design
	YBEC-09 Lxx	Elective-1(Embedded system)
	YBEC-09 Lxx	Elective-III (Bio-Medical )
	YBEC-801	Data & Communication Network
	YBEC- 802	Wireless Mobile communication
	YBEC-09 Lxx	Elective-IV(Image Processing & video)
	YBEC-09 Lxx	Elective-V(Advances Digital Signal Processing)
B.Tech (EE)	YBE102	Engineering Mathematics-I
	YBE104	Basic Electrical & Electronics Engg.
	YBE105	Engineering Graphics
	YBE201	Engineering Physics
	YBE203	Basic Mechanical Engineering
	YBE204	Basic Civil Engineering & Engineering Mechanics
	YBE205	Basic Computer Engineering
	YBE301	Mathematics-II
	YBEE302	Electrical Engineering Materials





# Y B N UNIVERSITY

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

	YBEE303	Electrical Instrumentation
	YBEE304	Semiconductor Devices & Circuits
	YBEE305	Network Analysis
	YBE401	Mathematics-III
	YBEE402	Electromagnetic Theory
	YBEE403	Power System
	YBEE404	Electrical Machines-I
	YBEE405	Analog & Digital Communication
	YBEE501	Electrical Machine-II
	YBEE502	Electronic Instrumentation
	YBEE503	Signals and Systems
	YBEE504	Digital Electronics & Logic Design
	YBEE601	Microprocessor & Microcontrollers
	YBEE603	Electrical Machine Design
	YBEE604	Power Electronics
	YBEE701	Power System Analysis & Control
	YBEE702	Utilization of Electrical Energy
	YBEE703	Electrical Drives
	YBEE704	Computer-Aided Design of Electrical Machines
	YBEE705	High Voltage Engineering
	YBEE801	Control System
	YBEE802	Power System Protection & Advanced Electrical Drives

## School of Commerce & Management

Name of the Programme	Course Code	Course Name
BBA	1Y4CC-1	ENGLISH LANGUAGE & COMMUNICATION SKILLS
	2Y4MCTCC-5	MATHEMATICAL AND COMPUTATIONAL THINKING ANALYSIS
	3Y4DECC-8	DIGITAL EDUCATION
	4Y4MKTGMN-1	ADVANCED MARKETING RESEARCH
MBA	1Y2MBA101	Essential of Language and Soft Skills
	1Y2MBA102	Principles and Practices of Management





# Y B N UNIVERSITY

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

	1Y2MBA 201	Managerial Skill Development
	1Y2MBA 202	Business Research Method
	1Y2MBA 207	Production & operation Management
	1Y2MBA308	Human Resource Planning and Development
	1Y2MBA314	Cost management
	1Y2MBA316	Advanced Auditing and Corporate Governance
	1Y2MBA320	Technology Commercialization & Transfer
	1Y2MBA321	Research & Development Management
	1Y2MBA322	Seed Production Technology
	1Y2MBA324	Technology & Management of Agro Chemicals
	1Y2MBA333	Operation Planning and Control
	1Y2MBA401	MIS & Decision Support System
	1Y2MBA414	Banking & Finance
	1Y2MBA420	Software Project & Quality Management
	1Y2MBA443	Hospital Architecture Planning and Design
B.Com	1Y2MBA451	Communication Technology in Rural Development
	1Y4CC-1	ENGLISH LANGUAGE & COMMUNICATION SKILLS
	2Y4MCTCC-5	MATHEMATICAL AND COMPUTATIONAL THINKING ANALYSIS
	MJ-3	Business and Corporate Law
	MJ-4	Corporate Accounting
	MJ-6	Goods and Services Tax
	MJ-8	Cost Accounting
	AMJ-1	Management Accounting
M.Com	AMJ-3	Artificial Intelligence for Business
	1Y2COM101	Principles And Practices Of Management
	1Y2COM202	Business Research Method
	1Y2COM301	Advanced Corporate Accounting
	1Y2COM305B	Banking and Insurance
	1Y2COM305CA	Technology Assessment & Forecasting
	1Y2COM306C	Technology Commercialization & Transfer
	1Y2COM404F	Financial Institutions & Markets
	1Y2COM402	Research Methodology

## School of Agricultural Science

Programme Name	Course Code	Course Name
	1Y4AGR108	English Communication-I





# Y B N UNIVERSITY

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

B.Sc Agriculture (Hons.)	1Y4AGR208	Computer Fundamentals, Internet, MS-Office
	1Y4AGR209	English Communication- II
	1Y4AGR306	Statistical Methods
	1Y4AGR308	Agri- Informatics
	1Y4AGR310	English Communication-III
	1Y4AGR411	English Communication-IV
	1Y4AGR502	Manures, Fertilizers and Soil Fertility Management
	1Y4AGR604	Post-harvest Management & Value Addition of Fruits & Vegetables
	1Y4AGR608	Principles of Organic Farming
M.Sc Ag. (Agronomy)	1Y2STAT501	Experimental Design
	1Y2STAT502	Basic Sampling Techniques
	2Y2AGR0N513	Principles and Practices of Organic Farming
M.Sc. Ag. (Horticulture)	1Y2STAT501	Experimental Design
	1Y2STAT502	Basic Sampling Techniques
	1Y2HORT510	Organic Fruit Culture
	1Y2HORT508	Nutrition of fruit Crop

## School of Nursing

Name of the Programme	Course Code	Course Name
B.Sc Nursing	ENGL 101	Communicative English
	N-NF(1) 125	Nursing Foundation I
	N-NF(II) 125	Nursing Foundation II
	HNIT145	Health /Nursing Informative And Technology
	N-AHN(I) 215	Adult Health Nursing I
	N-AHN(II) 225	Adult Health Nursing II
	N-MIDW(I)/OBGN-335	Midwifery /Obstetrics and Gynecology (OBG) Nursing-I
	N-MIDW(II)/OBGN-410	Midwifery /Obstetrics and Gynecology (OBG) Nursing-II

## School of Paramedical

Name of the Programme	Course Code	Course Name
-----------------------	-------------	-------------





# Y B N UNIVERSITY

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

<b>B.Optomety</b>	YBOPTM 104	Computer
	YBOPTM 105	Professional Communication in English
	YBOPTM 204	Basic Biochemistry
	YBOPTM 405	Medical Psychology
	YBOPTM 603	Professional Practice Management
BMLT	YBBMLT104	English
	YBBMLT204	Biomedical Waste Management
BMRIT	YBMRIT 102	Basic computers and information science
	YBMR IT 204	English & Communication skills
BOT	YBOT105	English & Communication Skills

## YBN COLLEGE FOR TEACHER EDUCATION

Name of the Programme	Course Code	Course Name
B. Ed	EPC 1	Reading and Reflecting on Text
	EPC 2	Drama and Art in Education
	EPC 3	Critical understanding ICT.
	EPC 4	Understanding the Self





# Y B N UNIVERSITY

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

## School of Computer Science and IT

Name of the Programme	Course Code	Course Name
BCA	1Y3BCA-304A	Web Technology
BCA	1Y3BCA-304B	Programming with C#
BCA (SE)	MCESP103	Fundamentals of UI/UX Design
MCA(SE)	MCPCT101	Fundamentals of UI/UX Design
BCA (SE)	BCPCT101	Front End Development I
MCA(SE)	MCPCT101	Front End Development I
BCA (SE)	BCPCT101	Back End Development
MCA(SE)	MCPCT201	Back End Development
BCA (SE)	BCPCT201	Mobile Application Development
BCA	1Y3BCA-304C	Open Source Software
BCA	1Y3BCA-404A	Animation
BCA	1Y3BCA-404B	Mobile Applications
BCA	1Y3BCA-404C	Advanced Web Technology
B. Sc (IT)	Y3BSIT-304A	UNIX/LINUX Programming
B. Sc (IT)	1Y3BSIT-304B	Programming in Python
B. Sc (IT)	1Y3BSIT-304C	HTML Programming
B. Sc (IT)	1Y3BSIT-503A:	Android Programming
B. Sc (IT)	1Y3BSIT-503B:	PHP Programming
B. Sc (IT)	1Y3BSIT-404C	R Programming
Bsc (CS)	1Y3BSCS304A	Office Automation Tools
Bsc (CS)	1Y3BSCS304B	Multimedia Applications
Bsc (CS)	1Y3BSCS404A	System Administration and Maintenance
Bsc (CS)	1Y3BSCS404B	HTML Programming
Bsc (CS)	1Y3BSCS501A	Programming with VB/GAMBAS





# Y B N UNIVERSITY

RAJaulatu, Namkum, Ranchi (Jharkhand)  
Established by the Act. of Government of Jharkhand Act - 15, 2017  
Gazzate Notification No. 505, Dated 17 July 2017  
As per Section 2(f) of UGC Act. 1956

Bsc (CS)	1Y3BSCS501B	PHP Programming
----------	-------------	-----------------