कार्यालय : कार्यालय : 9919803788

हीरालाल रामनिवास स्नातकोत्तर महाविद्यालय

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Accredited 'B' by NAAC (U.G.C.)
College with potential for Excellence Awarded by U.G.C.

दिनांक 17.09.2026

आवश्यक सूचना

सत्र 2026–27 में प्रवेशित बी0ए0, बी0काम0, बी0एस–सी0, बी0सी0ए0, बी0बी0ए प्रथम/तृतीय/पंचम सेमेस्टर के समस्त छात्र/छात्राओं को सूचित किया जाता है कि **सहगामी पाठ्यक्रम (Co-Curricular Course)** की कक्षायें **दिनांक 05.10.2026, सोमवार** से प्रतिदिन निम्नांकित व्यवस्थान्तर्गत संचालित होंगी। अपने विषय के प्राध्यापक से सम्पर्क अध्ययन करना सुनिश्चित करें।

क्र0 सं0	सहगामी पाठ्यक्रम (Co-Curricular Course) का नाम	सेमेस्टर	प्राध्यापक का नाम	दिन	समय	स्थान
1	Food, Nutrition and Hygiene	प्रथम सेमेस्टर	1– डॉ0 आशा मिश्रा 2– श्रीमती कंचनलता पाण्डेय	सोमवार से शनिवार	अपराह्न 3:15 से 4:00 बजे तक	41
2	Physical Education and Yoga	तृतीय सेमेस्टर	1– श्री सुनील कुमार यादव	सोमवार से शनिवार	अपराह्न 3:15 से 4:00 बजे तक	42
3	Analytic Ability and Digital Awareness	पंचम सेमेस्टर	1– श्री संदीप कुमार सिंह 2– श्री रविशंकर	सोमवार से शनिवार	अपराह्न 3:15 से 4:00 बजे तक	43

प्राचार्य
ही० रा० स्ना० महा०, खलीलाबाद
संत कबीर नगर

प्रतिलिपि:–

1. सम्बन्धित प्राध्यापको को इस आशय से प्रेषित कि उक्त व्यवस्थान्तर्गत अपनी कक्षाओं में अध्ययन/अध्यापन कराना सुनिश्चित करें।
2. कला/वाणिज्य/विज्ञान के समस्त शिक्षको को इस आशय से प्रेषित कि उक्त सूचना सोशल मीडिया के माध्यम से छात्र/छात्राओं में प्रसारित करना सुनिश्चित करें, जिससे उक्त के अनुसार छात्र/छात्रायें अपनी कक्षा में पठन–पाठन कर सके।
3. कार्यालयधीक्षक, ही०रा०पी०जी० कालेज, खलीलाबाद, संतकबीर नगर को इस आशय से प्रेषित की उक्त सूचना महाविद्यालय के वेबसाइट www.hrpg.edu.in एवं फेसबुक पेज Hiralal Ramniwas P.G. College पर अपलोड एवं सूचना बोर्ड पर चस्पा कराना सुनिश्चित करें।

प्राचार्य
ही० रा० स्ना० महा०, खलीलाबाद
संत कबीर नगर

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Siddharth University, Kapilvastu, Siddharth Nagar, Uttar Pradesh- 272202

Co-curricular Courses
&
Value Added Course

Syllabus

Course Structure

Co- curricular Courses

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC101	Co-curricular Course	Food, Nutrition and Hygiene	2
1st /2nd Year	I/II/III/IV	UGEC102	Co-curricular Course	Environment studies	2
1st /2nd Year	I/II/III/IV	UGEC103	Co-curricular Course	Physical Education and Yoga	2
1st /2nd Year	I/II/III/IV	UGEC104 (A)	Co-curricular Course	भोजपुरी साहित्य	2
1st /2nd Year	I/II/III/IV	UGEC104 (B)	Co-curricular Course	अवधी साहित्य	2
1st /2nd Year	I/II/III/IV	UGEC104 (C)	Co-curricular Course	Pāli	2

Value-added Course

1st /2nd Year	I/II/III/IV	UGEC105	Value-added Course	Buddhist Studies	2

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC101	Co-curricular Course	Food, Nutrition and Hygiene	2

Course Objectives: The course is designed to:

- To develop understanding of food, nutrients, balanced diet, and their role in maintaining health and preventing diseases.

- To familiarize learners with principles of meal planning, nutrient requirements across life stages, and nutrition policies for community health.

Unit	Topics	No. of Lectures	Credit
Unit- I	Concept of Food and Nutrition (a) Definition of Food, Nutrients, Nutrition, Health, balanced Diet (b) Types of Nutrition- Optimum Nutrition, under Nutrition, Over Nutrition (c) Meal planning- Concept and factors affecting Meal Planning (d) Food groups and functions of food	1	1
Unit- II	Nutrients: Macro and Micro RDA, Sources, Functions, Deficiency and excess of (a) Carbohydrate (b) Fats (c) Protein (d) Minerals Major: Calcium, Phosphorus, Sodium, Potassium Trace: Iron, Iodine, Fluorine, Zinc (e) Vitamins Water soluble vitamins: Vitamin B, C Fat soluble vitamins: Vitamin A, D, E, K (f) Water (g) Dietary Fibre		
Unit- III	1000 days Nutrition (a) Concept, Requirement, Factors affecting growth of child (b) Prenatal Nutrition (0 - 280 days): Additional Nutrients' Requirement and risk factors during pregnancy	15	1

	Breast / Formula Feeding (Birth – 6 months of age) Complementary and Early Diet (6 months – 2 years of age)		
Unit-IV	Community Health Concept (a) Causes of common diseases prevalent in the society and Nutrition requirement in the following: Diabetes Hypertension (High Blood Pressure) Obesity Constipation Diarrhea Typhoid (b) National and International Program and Policies for improving Dietary Nutrition (c) Immunity Boosting Food		

Course Outcomes: After successful completion of the course, students will be able to:

- Learners will be able to analyze nutrient functions, sources, deficiencies, and apply knowledge for healthy meal planning.

- Learners will demonstrate awareness of nutritional needs during critical life stages and recommend dietary practices for individual and community health.

Suggested Readings:

- Singh, Anita, "Food and Nutrition", Star Publication, Agra, India, 2018.
- 1000Days-Nutrition_Brief_Brain-Think_Babies_FINAL.pdf
- https://pediatrics.aappublications.org/content/141/2/e20173716
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5750909/
- Sheel Sharma,Nutrition and Diet Therapy,Peepee Publishers Delhi,2014,First Edition.

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC102	Co-curricular Course	Environment studies	2

Course Objectives: The course is designed to:

- To provide comprehensive knowledge of ecosystem structure, biodiversity conservation, environmental issues, and sustainable development practices.
- To enhance understanding of environmental policies, laws, and innovative approaches like circular economy, environmental audits, and traditional knowledge for ecological balance.

Unit	Topics	No. of Lectures	Credit
Unit- I	Ecosystem: Concept, structure & functions of ecosystem : producer, consumer, decomposer, foodweb, food chain, energy flow, Ecological pyramids Conservation of Biodiversity- In-situ & Ex- situ conservation of biodiversity	15	1
Unit- II	Role of individual in Pollution control Human Population & Environment Sustainable Development India and UN Sustainable Development Goals Concept of circular economy and entrepreneurship		
Unit- III	Environmental Laws? International Advancements in Environmental Conservation Role of National Green Tribunal Air Quality Index	15	1
Unit- IV	Importance of Indian Traditional knowledge on environment Bio assessment of Environmental Quality Environmental Management System Environmental Impact Assessment and Environmental Audit		

Course Outcomes: After successful completion of the course, students will be able to:

- Learners will be able to analyze ecological processes, biodiversity conservation methods, and sustainable solutions for environmental challenges.
- Learners will demonstrate critical awareness of environmental laws, global initiatives, and assessment tools for effective environmental management

Suggested Readings:

- Environmental Management by N.K. Uberoi
- https://www.un.org/sustainabledevelopment/sustainable-development-goals/
- https://www.india.gov.in/my-government/schemes

- https://www.legislation.gov.uk/ukpga/2010/23/contents
- Daniel Kahneman, Thinking, Fast and Slow; Allen Lane Nov 2011 ISBN: 9780141918921

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC103	Co-curricular Course	Physical Education and Yoga	2

Course Objectives: The course is designed to:

- To provide conceptual understanding of physical education, fitness, wellness, yoga, and lifestyle management for overall health.

- To acquaint learners with traditional games, recreational activities, and practical aspects of yoga and physical fitness for holistic development

Unit	Topics	No. of Lectures	Credit
Unit- I	**Physical Education:** • Meaning, Definition, Aim and Objective. • Misconception About Physical Education. • Need, Importance and Scope of Physical Education in the Modern Society. • Physical Education Relationship with General Education. • Physical Education in India before Independence. Physical Education in India after Independence.	15	1
Unit- II	**Concept of Fitness and Wellness:** • Meaning, Definition and Importance of Fitness and Wellness. • Components of Fitness. • Factor Affecting Fitness and Wellness. **Weight Management:** • Meaning and Definition of Obesity. • Causes of Obesity. • Management of Obesity. • Health problems due to Obesity. **Lifestyle:** • Meaning, Definition, Importance of Lifestyle. • Factor affecting Lifestyle. • Role of Physical activity in the maintains of Healthy Lifestyle.		
Unit- III	**Yoga and Meditation**: • Historical aspect of yoga. • Definition, types scopes & importance of yoga. • Yoga relation with mental health and value education. • Yoga relation with Physical Education and sports.	15	1

	• Definition of Asana, differences between asana and physical exercise. • Definition and classification of pranayama. • Difference between pranayama and deep breathing. • **Practical**: Asana, Suraya-Namaskar, Bhujang Asana, Naukasana, Halasana, Vajrasan, Padmasana, Shavasana, Makrasana, Dhanurasana, Tad Asana. Pranayam: Anulom, Vilom.		
Unit-IV	**Traditional Games of India:** • Meaning. • Types of Traditional Games- Gilli- Danda Kanche Stapu Gutte, etc. • Importance/ Benefits of Traditional Games. • How to Design Traditional Games. **Recreation in Physical Education:** • Meaning, Definition of Recreation. • Scope and Importance of Recreation. • General Principles of Recreation. • Types of Recreational Activities. • Aerobics and Zumba.(Fir India Movement)		

Course Outcomes: After successful completion of the course, students will be able to:

• Learners will be able to explain principles of physical education, fitness, wellness, and design healthy lifestyle practices.

• Learners will demonstrate practical skills in yoga, traditional games, and recreational activities for physical, mental, and social well-being.

Suggested Readings:

- Singh, Ajmer, Physical Education and Olympic Abhiyan, "Kalayani Publishers", New Delhi, Revised Addition, 2006
- Patel, Shri krishna, Physical Education, "Agrawal Publishers", Agra, 2014-15 Panday, Preeti, Sharirik Shiksha Sankalan, " Khel Sanskriti Prakashan, Kanpur
- Kamlesh M.L., "Physical Education, Facts and foundations", Faridabad P.B. Publications.
- B.K.S. Yengar, "Light and Yog. Yoga Deepika", George Allen of Unwin Ltd., London,1981. BrajBilari Nigam, Yoga Power "TheKpath of Personal achievement" Domen and Publishers,
- New Delhi, 2001.
- Indira Devi, "Yoga for You", Gibbs, Smith Publishers, Salt Lake City, 2002 Domenand Publishers, New Delhi - 2001.
- Jack Peter, "Yoga Master the Yogic Powers", Abhishek Publications, Chandigarh, 2004. Janice Jerusalim, "A Guide To Yoga" Parragon Bath, Baiihe-2004.

- नारंग, प्रियंका, परम्परागत भारतीय खेल, " स्पोर्ट्स पब्ललकेशन" , नई दिल्ली, 2007

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC104 (A)	Co-curricular Course	भोजपुरी साहित्य	2

Course Objectives: The course is designed to:

Unit	Topics	No. of Lectures	Credit
Unit- I	भोजपुरी का सामान्य परिचय : भोजपुरी : नामकरण, क्षेत्र एवं बोलियाँ; भोजपुरी की ऐतिहासिक पृष्ठभूमि; भोजपुरी का स्थूल व्याकरण; भोजपुरी की विकास–यात्रा; भोजपुरी साहित्य का स्वरूप; भोजपुरी साहित्य की प्रवृत्तियाँ।	6	1
Unit- II	आधुनिक भोजपुरी काव्य– : क. बटोहिया– बाबू रघुवीर नारायण ख. फिरंगिया– मनोरंजन प्रसाद सिन्हा ग. कौना दुखे डोली में रोवति जाति कनियाँ– पं. थरीक्षण मिश्र घ. किछु कहलो न जाला– रामजियायन दास बावला (भोजपुरी साहित्य संचयन–प्रो. चित्तरंजन मिश्र एवं डॉ. विमलेश कुमार मिश्र; नीलकमल प्रकाशन, गोरखपुर) आलोचना के बिन्दु : कवि परिचय एवं कविताओं का प्रतिपाद्य तथा वैशिष्ट्य।	9	
Unit- III	भोजपुरी गद्य : ललित निबंध : कोजागरी– शिवप्रसाद सिंह व्याख्यान : हजारी प्रसाद द्विवेदी कहानी : तिसरकी आँख के अन्हार– रामदेव शुक्ल (भोजपुरी साहित्य संचयन–प्रो. चित्तरंजन मिश्र एवं डॉ. विमलेश कुमार मिश्र; नीलकमल प्रकाशन, गोरखपुर) आलोचना के बिन्दु : पठित रचनाओं का प्रतिपाद्य तथा विधा–विशेष के आधार पर समीक्षा। सम्बन्धित रचनाकारों का परिचय।	9	1
Unit- IV	भोजपुरी लोकगीत : क. मोर चरखा के टूटल न तार ख. जेहि दिन धिया के जनम भइलै धरती दुखित भइलिन ग. हम भारतयासी चरखा चक गही रे गही घ. मोरे पिछरयाँ रे घन बँसवरिया ङ. काहे बिनु सून अँगनवा ए बाबा (भोजपुरी के संस्कार गीत–शची मिश्र; उत्तर प्रदेश हिन्दी संस्थान, लखनऊ)	6	

Course Outcomes:

विश्वविद्यालय अनुदान आयोग तथा तदनुसार उत्तर प्रदेश शासन द्वारा राष्ट्रीय शिक्षा नीति–2020 के अन्तर्गत जारी दिशा–निर्देशों के अनुसार विद्यार्थियों को स्नातक चतुर्थ सेमेस्टर में सह–पाठ्यक्रम के रूप

में किसी एक भारतीय/क्षेत्रीय भाषा का अध्ययन करना है। इसी उद्देश्य से इस पाठ्यक्रम का निर्माण किया गया है, जिसे सभी विद्यार्थियों को पढ़ना है। इसके अध्ययन से विद्यार्थी अपने क्षेत्र की बोली की अद्यतनतम स्थिति से अवगत हो सकेंगे और उसमें लिखित साहित्य से परिचित हो सकेंगे। इससे उनका स्थानीय भाषा एवं संस्कृति से जुड़ाव और भी गहरा तथा पुष्ट होगा।

सहायक ग्रन्थ :

- भोजपुरी साहित्य संचयन; प्रो. चित्तरंजन मिश्र, डॉ. विमलेश मिश्र; नीलकमल प्रकाशन, गोरखपुर; संस्करण 2017–18 ई.।
- भोजपुरी के संस्कार गीत–शची मिश्र; उत्तर प्रदेश हिन्दी संस्थान, लखनऊ; प्रथम संस्करण, 2019 ई.।
- कृष्णदेव उपाध्याय, भोजपुरी लोक साहित्य का अध्ययन, हिन्दी प्रचारक पुस्तकालय, वाराणसी, 1949 ई.।
- डॉ. श्रीधर मिश्र, भोजपुरी लोक साहित्य : सांस्कृतिक अध्ययन, हिंदुस्तानी एकेडमी, प्रयागराज, 1971 ई.।
- पुरइन–पात; डॉ. अरुणेश नीरन, डॉ. चितरंजन मिश्र; विश्वविद्यालय प्रकाशन, वाराणसी; द्वितीय संस्करण 2008 ई.।
- भोजपुरी और हिन्दी; डॉ. शुकदेव सिंह; विश्वविद्यालय प्रकाशन, वाराणसी; द्वितीय संस्करण 2009 ई.।

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC104 (B)	Co-curricular Course	अवधी साहित्य	2

Course Objectives: The course is designed to:

Unit	Topics	No. of Lectures	Credit
Unit- I	अवधी साहित्य का सामान्य परिचय : अवधी की ऐतिहासिक पृष्ठभूमि; अवधी की विकास–यात्रा; अवधी का स्थूल व्याकरण; अवधी साहित्य का स्वरूप एवं विकास; अवधी साहित्य की प्रवृत्तियाँ।	6	1
Unit- II	अवधी काव्य–1 : देश का को है जिम्मेदार– वंशीधर शुक्ल कंगला किसान की बिटिया– बलभद्रप्रसाद दीक्षित 'पढ़ीस' भारत हमार– राम अकबाल त्रिपाठी 'अनजान' गाँव है हमका बहुत पियार– रमई काका गांधी बाबा– असवनि द्विवेदी (संकलन– अवधी ग्रंथावली; खंड–4 (आधुनिक साहित्य खण्ड); संपादक– जगदीश पीयूष; वाणी प्रकाशन, नयी दिल्ली) आलोचना के बिन्दु : कवि परिचय; कविताओं का प्रतिपाद्य एवं काव्य–सौंदर्य।	9	
Unit- III	अवधी गद्य : आत्मकथा : अवधी में सत्यधर शुक्ल की आत्मकथा– सत्यधर शुक्ल निबन्ध : अवधी मा कहावति– आद्याप्रसाद सिंह 'प्रदीप' कहानी : भैरो क माई– विद्याबिन्दु सिंह (संकलन– अवधी ग्रंथावली; खंड–5 (आधुनिक साहित्य गद्य खण्ड) संपादक– जगदीश पीयूष; वाणी प्रकाशन, नयी दिल्ली) आलोचना के बिन्दु : पठित रचनाओं का प्रतिपाद्य तथा विधा–विशेष के आधार पर समीक्षा।	9	1
Unit- IV	अवधी लोकगीत : बिरना झीनी झीनी पतिया अमिलि कइ; बाबा निमिया क पेड़ जिनि काटेउ; कुँअवा खोदाये कयन फल है मोरे साहेब; हम भारतवासी पायेन रे सुराज सही रे सही (अवधी लोकगीत : एक अन्तर्यात्रा– कमलनयन पाण्डेय; हिन्दुस्तानी अकेडमी, प्रयागराज)	6	

Course Outcomes:

विश्वविद्यालय अनुदान आयोग तथा तदनुसार उत्तर प्रदेश शासन द्वारा राष्ट्रीय शिक्षा नीति–2020 के अन्तर्गत जारी दिशा–निर्देशों के अनुसार विद्यार्थियों को स्नातक चतुर्थ सेमेस्टर में सह–पाठ्यक्रम के रूप में किसी एक भारतीय/क्षेत्रीय भाषा का अध्ययन करना है। इसी उद्देश्य से इस पाठ्यक्रम का निर्माण

किया गया है, जिसे सभी विद्यार्थियों को पढ़ना है। इसके अध्ययन से विद्यार्थी अपने क्षेत्र की बोली की अद्यतनतम स्थिति से अवगत हो सकेंगे और उसमें लिखित साहित्य से परिचित हो सकेंगे। इससे उनका स्थानीय भाषा एवं संस्कृति से जुड़ाव और भी गहरा तथा पुष्ट होगा।

सहायक ग्रन्थ :

- प्रो. चितरंजन मिश्र एवं दुर्गाप्रसाद ओझा, समकालीन हिंदी एवं अवधी कविता, प्रकाशन केंद्र लखनऊ
- डॉ. रामविलास शर्मा एवं युक्तिभद्र दीक्षित (सम्पा.); पद्मीस ग्रन्थावली; उत्तर प्रदेश हिन्दी संस्थान, लखनऊ; संस्क. 1998।
- डॉ. श्याम सुन्दर मिश्र मधुप (सम्पा.); वंशीधर शुक्ल रचनावली; उत्तर प्रदेश हिन्दी संस्थान, लखनऊ; संस्क. 2003।
- जगदीश पीयूष (सम्पा.); अवधी ग्रन्थावली, खण्ड–4 (आधुनिक साहित्य खण्ड); वाणी प्रकाशन, दिल्ली।
- जगदीश पीयूष (सम्पा.); अवधी ग्रंथावली; खंड–5 (आधुनिक साहित्य गद्य खण्ड); वाणी प्रकाशन, नयी दिल्ली।
- कमलनयन पाण्डेय; अवधी लोकगीत : एक अन्तर्यात्रा; हिन्दुस्तानी अकेडमी, प्रयागराज; प्रथम संस्करण, 2019 ई.।

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC104 (C)	Co-curricular Course	Pāli	2

Course Objectives:

Unit	Topics	No. of Lectures	Credit
Unit- I	Homeland of Pāli (Origin & Development of Pāli language)	15	1
Unit- II	History of Pāli Tripitak		
Unit- III	Pāli Grammar (Pāli Alphabet, Parts of Speech, Liṅga (Gender) & Vacana (Number), Purisa (Person) & Kāla (Tense)	15	1
Unit- IV	Dhammpada (Yamakavagga)		

Course Outcomes: After successful completion of the course, students will be able to:

Suggested Readings:

- **उपाध्याय, भरतसिंह** (2013), *पालि साहित्य का इतिहास*, हिन्दी साहित्य मण्डल, प्रयाग।
- **भिक्षु धर्मरक्षित** (2017), *पालि साहित्य का इतिहास*, ज्ञान मण्डल लिमिटेड, वाराणसी।
- **राहुल सांकृत्यायन** (1962), *पालि साहित्य का इतिहास*, हिन्दी समाचार विभाग, उत्तर प्रदेश, लखनऊ।
- **भिक्षु धर्मरक्षित** (2017), *पालि व्याकरण*, ज्ञान मण्डल लिमिटेड, वाराणसी।
- **भिक्षु जगदीश काश्यप** (1940), *महाबोधि* (पत्रिका), वाराणसी।
- **भिक्षु धर्मरक्षित** (2017), *धम्मपद*, ज्ञान मण्डल लिमिटेड, वाराणसी।

Year	Semester	Course Code	Course Type	Course Title	Credit
1st /2nd Year	I/II/III/IV	UGEC105	Value-added Course	Buddhist Studies	2

Course Objectives:

The course is specially designed to reintroduce the history and teachings of Buddha in India and abroad, with a focus on the revival of Buddhism.

Unit	Topics	No. of Lectures	Credit
Unit- I	History of Buddhism in Ancient India (From Beginning to 12cent. AD)	15	1
Unit- II	Buddhist Theory and Practice		
Unit- III	Buddhist Art and Architecture in Ancient India	15	1
Unit- IV	Spread of Buddhism in India and Abroad		

Course Outcomes: After successful completion of the course, students will be able to:

Suggested Readings:

- Bapat, P.V. *2500 Years of Buddhism*. Publication Division, Govt. of India, New Delhi, 1957.
- Barua, B.M. *A History of Pre-Buddhistic Indian Philosophy*. Delhi: Motilal Banarsidass, 1970.
- Basham, A.L. *The Wonder That Was India*. Delhi: Rupa, 1981.
- Conze, E. *Buddhist Thought in India*. Ann Arbor, MI: University of Michigan Press, 1967.
- Dutt, Nalinaksha. *Buddhist Sects in India*. New Delhi: Motilal Banarsidass, 1930.
- Goyal, S.R. *A History of Indian Buddhism*. Meerut: Kusumanjali Prakashan, 1987.

Department of Higher Education
U.P. Government, Lucknow

National Education Policy-2020
Common Minimum Syllabus for all U.P. State Universities

Co-curricular course: Semester-5

Course Title: Analytic Ability and Digital Awareness

Name	Designation	Affiliation
Steering Committee		
Mrs. Monika S. Garg, (I.A.S.), Chairperson Steering Committee	Additional Chief Secretary	Dept. of Higher Education U.P., Lucknow
Prof. Poonam Tandan	Professor, Dept. of Physics	Lucknow University, U.P.
Prof. Hare Krishna	Professor, Dept. of Statistics	CCS University Meerut, U.P.
Dr. Dinesh C. Sharma	Associate Professor	K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.

Syllabus Developed by:

S. N.	Name	Designation	Department	College/ University
1	Dr. Raj Kumar	Head	Mathematics, Faculty of Engg. & Technology	Veer Bahadur Singh Purvanchal Univ. Jaunpur-222003 UP
2	Prof. Ashutosh Gupta	Director/ Professor	School of Science	U.P.Rajarshi Tandon Open University, Prayagraj
3	Prof. Manu Pratap Singh	Professor	Dept. of Computer Science	Dr. B. R. Ambedkar University, Agra
4	Dr. Brajesh Kumar	Associate Professor	Dept. of CS & IT	MJP Rohilkhand University, Bareilly

Co-Curricular Course name: Analytic Ability and Digital Awareness

Programme/Class: **Bachelor of Science**	Year: **Third**	Semester: **Fifth**
Subject: Co-Curricular Course		
Course Code: Z050501	Course Title: **Analytic Ability and Digital Awareness**	

Course outcomes (Analytic Ability):

CO 1: Familiarize with analogy, number system, set theory and its applications, number system andpuzzles.

CO 2: To understand the basics of Syllogism, figure problems, critical and analytical reasoning.

CO 3: Familiarize with word processing application and worksheet .

CO 4: To understand the basics of web surfing and cyber security.

Credits: **2**	**Co-Curricular**
Max. Marks: **25+75**	Min. Passing Marks:
Total No. of Lectures-Tutorials-Practical (in hours per week): **2-0-0**	

Unit	Topic	No. of Lectures
I	Alphabet test, Analogy, Arithmetic Reasoning, Blood relations, Coding and Decoding, Inequalities, Logical Venn diagram, Seating Arrangements, Puzzles and Missing numbers	6L+2T+0P
II	Syllogism, Pattern completion and figure series, Embeded Figure and counting of figures, Cube & Dice, Paper cutting and folding, Data sufficiency, Course of Action, Critical Reasoning, Analytical and decision making	5L+2T+0P
III	**Computer Basics:** Block diagram of Digital Computer, Classification of Computers, Memory System, Primary storage, Auxiliary memory, Cache memory, Computer Software (System/Application Software), **MS Word Basics:** The word screen, Getting to word documents, typing and Revising text, Finding and Replacing, Editing and Proofing tools, Formatting text characters, Formatting Paragraph, Document templates., Page set up, tables, Mail Merge, Macros, protecting documents, printing a document.	2T+3P+3P

	MS-Excel Introduction, Worksheet basics, Creating worksheet, Heading information, Data & Text, Date & Time, Alphanumeric values, Saving & quitting worksheet, Opening and moving around in an existing worksheet, Toolbars and Menus, Excel shortcut and function keys, Working with single and multiple workbook, Working with formulae & cell referencing, Auto sum, coping formulae, Absolute & relative addressing, Worksheet with ranges, Formatting of worksheet, Previewing & Printing worksheet, Graphs and charts, Database, Creating and using macros, Multiple worksheets- concepts **Introduction of Open Source Applications**: LibreOffice, OpenOffice and Google Docs etc.	
IV	**Web Surfing:** An Overview: working of Internet, Browsing the Internet, E-Mail, Components of E-Mail, Address Book, Troubleshooting in E-Mail, Browsers: Netscape Navigator, Microsoft Internet Explorer, Google Chrome, Mozilla Firefox, Tor, Search Engines lik Google, DuckDuckGo etc, Visiting web sites: Downloading. **Cyber Security**: Introduction to Information System, Type of information system, CIA model of Information Characteristics, Introduction to Information Security, Need of Information Security, Cyber Security, phishing, spamming, fake news, general issues related to cyber security, Business need, Ethical and Professional issues of security.	3P+ 4T

Suggested Readings:

1. Sharma, A., "How to prepare for Data Interpretation and Logical Reasoning for the CAT" McGraw Hill Education Pvt. Ltd., New Delhi, India, 2011, Ed. 5, ISBN 978 2007 070 481
2. Aggarwal, R.S., "A Modern Approach to Verbal and Non-verbal Reasoning" S. ChandPublishers New Delhi, India, 2010, ISBN 10: 8121905516
3. Madan , Sushila, Introduction to Essential tools, Jain Book Agency, New Delhi/India, 2009, 5th ed..
4. Goel, Anita, Computer Fundamentals, Pearson Education, India, 2012
5. Michael E. Whitman and Herbert J. Mattord, "Principles of Information Security," Sixth Edition, Cengage Learning, 2017

Note: Course Books published in Hindi may be prescribed by the Universities.

This course can be opted as an elective by the students of following subjects:
"Co-Curricular"

Suggested Continuous Evaluation Methods: **Max. Marks: 25**

1. **Assessment Type: Class Tests (Max. Marks 14)**
   Suggested Usage:
   Include all types of questions-essay, short answer, objective; Design to test all levels of domain; Exam Blue Print be prepared to ensure inclusion of all types & levels of questions and proper sampling of content; Marking Criteria made known to students; Teacher should provide written feedback selectively and discuss answers in the class; Only Role/Code numbers , not names be written to avoid bias in marking; Display of model answer copies.

   After Completion of Unit I and Unit II, a first class test of max. marks of 7 shall be conducted.
   After Completion of Unit III and IV, a second class test of max. marks of 7 shall be conducted.
   If any student does not appear in any one or both class test, a makeup test shall be conducted of max. marks of 5 instead of total 14 marks.
2. **Assessment Type: Quizzes/ Objective Tests / Recognition Type (such as MCQs; True or False; Matching; Classifying) /Recall Type -Filling Blanks; One word / PhraseAnswers (Max Marks: 5)**
   Suggested Usage:Teachers be trained in construction, advantages, disadvantages and precautions while preparing different types of objective items; Go beyond factual information to High Order Thinking (HOT) Skills. It shall be "End of the class quiz".
3. **Assessment Type: Assignments (Max Marks: 4)**
   Suggested Usage: Some class assignments shall be given to students at the end of each Unit. Note making techniques be taught to students; Not just direct questions from notes, but application analysis and synthesis of that knowledge.
4. **Assessment Type: Group Discussion (Max. marks: 2)**

Course prerequisites:None

Suggested equivalent online courses:

Further Suggestions: None