पण्डित सुन्दरलाल शर्मा (मुक्त) विश्वविद्यालय छत्तीसगढ़, बिलासपुर

PT. SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

Ph. D.

in

REGULAR MODE

Ph.D. Information & Admission Brochure

पी-एच.डी. सूचना एवं प्रवेश विवरणिका

2025-26

कोनी-बिरकोना मार्ग, बिलासपुर (छ.ग.)

KONI-BIRKONA ROAD, BILASPUR (C.G.)

Website : www.pssou.ac.in Email : info@pssou.ac.in

सत्य से मत डिगो, चाहे जियो या मरो



छत्तीसगढ़ के ''गाँधी'' के रुप में विख्यात तथा छत्तीसगढ़ राज्य निर्माण के प्रथम कल्पनाकार पण्डित सुन्दरलाल शर्मा जी का जन्म विक्रम संवत् 1938 (21 दिसम्बर, 1881 ई.) को ग्राम-चमसूर, राजिम में हुआ । आप राजनीति के साथ-साथ सामाजिक कार्यो का भी निर्वहन करते थे। आप समाज में व्याप्त कुरीतियों, छुआछूत एवं जाति प्रथा के घोर विरोधी थे। आप छत्तीसगढ़ के अछूत एवं पिछड़ी जातियों को समाज में उचित स्थान और सम्मान दिलाने के लिए जीवन भर संघर्ष करते रहे। आप स्वतंत्रता आंदोलन के वीर सिपाही थे। बहुआयामी प्रतिभा के धनी पण्डित सुन्दरलाल शर्मा 28 सितम्बर 1940 ई. को चिरनिद्रा में निमग्न हुए, इनकी स्मृति को चिरस्मरणीय बनाए रखने हेतु छत्तीसगढ़ शासन ने प्रदेश के प्रथम मुक्त विश्वविद्यालय का नाम इनके नाम पर रख इन्हें अपनी श्रद्धांजलि अर्पित की है ।

पण्डित सुन्दरलाल शर्मा (मुक्त) विश्वविद्यालय छत्तीसगढ़, बिलासपुर

PT. SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

Ph. D.

in

REGULAR MODE

पी-एच.डी. प्रवेश

Ph.D. Admission

2025-26

Regular mode Ph.D. Programme in the Universtiy has been permitted by the UGC vide its letter no. F-130/2015 (VIP/PS), dated. 03.11.2016

कोनी-बिरकोना मार्ग, बिलासपुर (छ.ग.)

KONI-BIRKONA ROAD, BILASPUR (C.G.)

फोन नं. (07752) 240752, 240712

Website : www.pssou.ac.in Email : info@pssou.ac.in

University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110002

No.F.1-130/2015(VIP/PS)

3rd November, 2016

The Vice-Chancellor,
Pt. Sundearlal Sharma (Open) University,
Chhattisgarh, Bilaspur.

- 4 NOV 2016

Subject : Permission to re-start M.Phil/Ph.D programmes under regular mode as per UGC Regulations 2016 - reg

Sir,

This is with reference to your letter No. 55/PSSOU/UGC/16 dated 1.9.2016 submitting therewith an affidavit fully notarized by C.G 14/13/5-2-03 dated 2.9.2016 signed by Dr. R.K. Sacndev, presently working as Registrar of your University to the effect that University will strictly follow UGC (Minimum Standards and procedure for Award of M.Phil/Ph.D) Regulations 2016 and will be abide by all its clauses in toto.

In this context, I am directed to convey the permission to start M.Phil/Ph.D programme under regular/part-time mode by the University subject to the condition that the essential clauses of UGC (Minimum Standards and Procedure for Award of M.Phil/Ph.D Degrees) Regulations 2016 (copy enclosed) pertaining to eligibility criteria for admission to M.Phil/Ph.D programme, duration of programme, procedure for admission, allocation of Research Supervisor, Course Work, Research Advisory Committee, Evaluation and Assessment Methods and Depository with INFLIBNET must be followed in letter and spirit.

In case if there is any deviation in implementing the clauses of UGC Regulations, 2016, the permission would be deemed to be treated as withdrawn. Above permission is subject to the condition that Act/ Statute/ Ordinance/Rule of the University provide for the same.

Yours faithfully

(Satish Kumar)
Under Secretary

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1. Ph.D. Admission Rules

पी-एच.डी. प्रवेश-नियम

पण्डित सुन्दरलाल शर्मा (मुक्त) विश्वविद्यालय छत्तीसगढ़, बिलासपुर को विश्वविद्यालय अनुदान आयोग (U.G.C.) के पत्र क्रमांक एफ. 1-130/2015 (व्ही.आई.पी./पी.एस.) दिनांक 03 नवंबर, 2016 में मिली अनुमति एवं विश्वविद्यालय अध्यादेश क्रमांक 01 पार्ट-B (संशोधित) डॉक्टर ऑफ फ़िलासफ़ी के आधार पर विभिन्न विषयों में पी-एच.डी. पाठ्यक्रम हेतु प्रवेश-नियम।

1. पी-एच.डी. पाठ्यक्रम में प्रवेश हेतु पात्रता मानदंड :

   विश्वविद्यालय अनुदान आयोग के विनियम 2022 में विनिर्धित शर्तो के अधीन अभ्यर्थी प्रवेश प्राप्त करने हेतु पात्र होंगे -

   (1) अभ्यर्थी किसी मान्यता प्राप्त संस्थान से संबंधित विषय में 55 प्रतिशत अंक या विश्वविद्यालय अनुदान आयोग द्वारा निर्धारित सात पॉइंट स्केल के समकक्ष ग्रेड 'बी' में स्नाकोत्तर उपाधि धारक हो। (देखें विश्वविद्यालय अनुदान आयोग विनियम 2022 भाग- III खंड-4 और विश्वविद्यालय अध्यादेश-1 पार्ट-B पी-एच.डी.)

   (2) अनुसुचित जाति, अनुसुचित जनजाति, अन्य पिछड़ा वर्ग (नॉन क्रिमीलेयर) के अभ्यर्थियों अथवा 19 सितंबर, 1991 के पूर्व स्नाकोत्तर उपाधि अर्जित करने वाले अभ्यर्थियों के लिए 55 प्रतिशत के स्थान पर 50 प्रतिशत अथवा जहाँ ग्रेडिंग प्रणाली अपनायी जाती है वहाँ बिंदु मानक पर समकक्ष ग्रेड की छूट होगी। यह तब जब अभ्यर्थी अपनी आरक्षित श्रेणी के लिए राज्य शासन द्वारा निर्धारित मानदंड का प्रमाण-पत्र प्रस्तुत करे। 5 प्रतिशत की छूट केवल अर्हक अंकों के आधार पर ही मान्य है, जिसमें ग्रेस अंक शामिल नहीं हैं।

2. पी.-एच.डी. पाठ्यक्रम की अवधि

   (1) पी-एच.डी. पाठ्यक्रम की अवधि न्यूनतम तीन वर्ष की होगी जिसमें पाठ्यक्रम से संबंधित कार्य भी शामिल है, तथा अधिकतम छह वर्ष होगी।

   (2) उपर्युक्त 2 (1) में उल्लिखित अवधि के अतिरिक्त समय विस्तार विश्वविद्यालय अनुदान आयोग के विनियम 2022 के भाग- III खंड-4 अथवा पण्डित सुन्दरलाल शर्मा (मुक्त) विश्वविद्यालय छत्तीसगढ़ के अध्यादेश-1 पार्ट-B में विनिर्धारित हैं के अनुसार किया जा सकेगा।

3. प्रवेश प्रक्रिया :-

प्रथम चरण : पी.एच.डी. पाठयक्रम में प्रवेश हेतु प्रावधान निम्नानुसार हैं -

(1) यूजीसी नेट स्कोर (UGC NET SCORE) - ऐसे अभ्यर्थी जो संबधित विषय में UGC NET उत्तीर्ण/अर्हता प्राप्त होंगें, वे पी-एच.डी. में प्रवेश हेतु सीधे पात्र होगें। चयन प्रक्रिया में अभ्यर्थी को UGC NET Score का 70 प्रतिशत अधिभार दिया जाएगा तथा 30 प्रतिशत अधिभार साक्षात्कार के द्वारा निर्धारित होगा। ऐसे अभ्यर्थियों को UGC NET Quailification प्रमाणपत्र के साथ UGC NET Score भी आवेदन के साथ प्रस्तुत करना अनिवार्य होगा।

(2) प्रवेश -परीक्षा- (PRET)

(क) ऐसे विषय जिसमें प्रवेश हेतु आवेदन आमंत्रित किए जॉएगें, तथा UGC NET अर्हताधारी अभ्यर्थियों का आवेदन पर्याप्त संख्या में नहीं होगा, उन विषयों में प्रवेश परीक्षा के माध्यम से प्रवेश प्रक्रिया किया जाएगा। किसी विषय में पर्याप्त संख्या में UGC

NET उत्तीर्ण अभ्यर्थियों का आवेदन प्राप्त होने पर प्रवेश परीक्षा आयोजित ना करने का विशेषाअधिकार विश्वविद्यालय के पास होगा।

(ख) ऐसे अभ्यर्थी जो पात्रता मानदंड रखते हैं तथा संबधित विषय में UGC NET उत्तीर्ण नहीं हैं, वे प्रवेश परीक्षा हेतु पात्र होगें। प्रवेश-परीक्षा अर्हक परीक्षा होगी। जिसमें 50 प्रतिशत अर्हता अंक होंगे। प्रवेश-परीक्षा के पाठ्यविवरण में 50 प्रतिशत विशिष्ट विषय से प्रश्न होंगे।

(ग) प्रवेश-परीक्षा का 70 प्रतिशत अधिभार अभ्यर्थी को चयन प्रक्रिया में दी जाएगी तथा 30 प्रतिशत अधिभार साक्षात्कार के द्वारा निर्धारित होगा।

(घ) UGC NET अर्हताधारी अभ्यर्थीयों की मेरिट सूची तथा प्रवेश परीक्षा उत्तीर्ण अभ्यर्थियों की मेरिट सूची पृथक जारी की जाएगी। चयन प्रक्रिया में UGC NET उत्तीर्ण अभ्यर्थियों को प्राथमिक वरीयता दी जाएगी।

(ड.) प्रवेश-परीक्षा उत्तीर्ण ऐसे अभ्यर्थी जो SET उत्तीर्ण होगें ,उन्हें चयन प्रक्रिया में द्वितीयक वरीयता दी जायेगी।

द्वितीय चरण : साक्षात्कार /मौखिकी

(1) UGC NET उत्तीर्ण तथा पी.एच.डी. प्रवेश-परीक्षा में उत्तीर्ण अभ्यर्थियों को विधिवत् गठित विभागीय शोध-समिति के समक्ष अभ्यर्थी की शोध रुचि/क्षेत्र पर प्रस्तुतीकरण हेतु आमंत्रित किया जा सकेगा।

(2) विभागीय शोध-समिति निम्नलिखित पहलुओं पर विचार करेगी-

(क) क्या अभ्यर्थी में प्रस्तावित शोध के लिए क्षमता है।

(ख) प्रस्तावित शोध-कार्य सफलतापूवर्क क्रियांवित किया जा सकता है।

(ग) प्रस्तावित शोध के क्षेत्र द्वारा नवीन/अतिरिक्त ज्ञान में योगदान प्राप्त हो सकता है।

4. राज्य आरक्षण नीति का अनुपालन : शिक्षक/निदेशक वार लागू होगा तथा इसमें छत्तीसगढ़ राज्य शासन के 100 बिंदु रोस्टर का अनुपालन किया जाएगा। उपर्युक्त प्रवेश-नियम के होते हुए विश्वविद्यालय अनुदान आयोग तथा राज्य शासन द्वारा समय-समय पर जारी विनियम, अधिनियम, नियम इत्यादि जो भी लागू किए जाए, उसके अनुरूप पण्डित सुन्दरलाल शर्मा (मुक्त) विश्वविद्यालय छत्तीसगढ़, बिलासपुर के पी-एच.डी. पाठ्यक्रम प्रवेश-नियम प्रवृत्त होंगे।

5. पी-एच.डी. पाठ्यक्रम में प्रवेश संबंधी अन्य आवश्यक प्रावधान विश्वविद्यालय अनुदान आयोग के विनियम 2022 में विनिर्धित नियम तथा समय-समय पर आवश्यक संशोधन के अधीन होगा। अंतिम निर्णय विश्वविद्यालय के विशेषाधिकार में रहेगा।

2. Fee Stucture

Ph.D. Prgramme Fee Structure 2025-26

A	Application Fee	1,000/-	
B	FEE PAYABLE AT THE TIME OF ADMISSION		
1	Registration Fee	3,000/-	One Time Payable
2	Enrollment Fee	500/-	One Time Payable
3	Library Development Fee	1,000/-	One Time Payable
4	Computer Lab Fee	1,000/-	One Time Payable
5	Course Work Fee	10,000/-	One Time Payable
C	FEE PAYABLE DURING RESEARCH WORK		
1	Six Monthly Fee (With Practical)	8,500/-	
2	Six Monthly Fee (Without Practical)	7,000/-	
3	Six monthly Progress report Submission Fee	500/-	
4	Library Fee	1,000/-	
D	EVALUATION FEE		
1	Thesis Submission Fee	7,000/-	
2	Viva-voce Fee	2,000/-	
E	RE-REGISTRATION & OTHER FEE		
1	Re-Registration Fee	5,000/-	
2	Time Extension Fee	2,000/-	
3	Thesis Re-submission Fee	5,000/-	
4	Re-Viva-voce Examination Fee	5,000/-	
5	Copy of Report/Recommendation Fee	500/-	

नोट : **आवेदन शुल्क** (Application Fee) **किसी भी स्थिति में अप्रतिदेय** (Non-refundable) **होगा** |

3. SYLLABUS FOR Ph.D. ENTRANCE TEST (PRET)

पी-एच.डी. प्रवेश हेतु पाठ्यक्रम

पी-एच. डी. प्रवेश परीक्षा का निर्धारित पाठ्यक्रम दो खंडों में विभक्त है - प्रथम खंड में अनुसंधान-प्रविधि एवं प्रक्रिया, कम्प्यूटर ज्ञान, संप्रेषण, सूचना एवं संचार प्रौद्योगिकी तथा दूसरा खंड संबंधित विषय का है ।

Subject : Education / Management / Psychology / Sociology / Computer Science / Commerce

Research Mathodology Syllabus :

Part - One

Basics of research : Meaning and nature, need and importance and scope of research. Method of research: Experimental. Quasi-experimental Case Studies. Field studies and cross-cultural studies. Scientific research, Variable –Nature and types.

Research Process : problem identification and formulation of hypothesis , types of hypothesis.

Research design : Concepts and Importance in research –Features of a good research designs-concept of Independent & dependent variables, descriptive research design . Experimental and non experimental research design. Qualitative and Quantitative research .

Sampling : Concepts of Statistical population , Sample , Sampling frame, Sampling Error, sample Size , Non Response. Characteristics of a good sample. Probability and Non Probability Sampling – Simple random sample, Systematic Sample, stratified Random Sample &multi-Stage Sampling. Research Tools – Observation, Questionnaire, Interview Schedule, Test and Scale.

Data Analysis : Data preparation – Univariate analysis, Central tendencies, Dispersion Normal probability Curve , its properties and utility in inferential statistics , Null hypothesis, Type I and Type II errors, Levels of Significance. Interpretation of data. parametric and non parametric .

Writing of research proposal : Basics of research, its layout, factors to be considered while writing brief research proposal .

3.1 subject : Education

Syllabus:

Part - Two

UNIT-I

Philosophical Foundation of Education

Philosophy of Education : Its Nature Metaphysical Problem an Education related to Nature .Men and Subject Impact of Philosophical suppositions on education made by – Idealism ,Realism. Pragmatism. Existentialism. Vedanta (Advait & Veshistadvait only) swankhya, School of thought.

Epistemology and Education: Knowledge methods of acquiring valid knowledge with specific reference to analytic philosophy, Dialectical approach, Scientific Inquiry, Nyay, Yoga.

Axiology and Education, Crtical appreciation of the contribution made by Buddhism, Jainism. Bhagavad-Gita and Islam to education in terms of value formulation .

Educational Thoughts ; contribution to educational thought and practice made by great thinkers (master minds)The thinkers plat kant, Dewey, J.Krishnanmurti, Gandhi ,Tagore , Aurobindo.

UNIT-II

Sociological Foundation of Education

Concept and nature of sociology of education, Difference Between sociology of education and Education of sociology ,social organization, social group. social factors influencing social change.

Culture., Meaning and nature of Culture .Role of education in cultural context, Education and cultural change

Education and society – Education as a social system as a socialization process and a process of social progress and change

Issues of equality of Educational opportunity, Equality Vs Equity in Education , Inequalities in Indian Social system with special reference to social disadvantages ,gender and habitation need measures to address them.

Education and democracy, Constitutional provisions for education; Nationalism and Education; Education for national Integration and International Understanding.

UNIT-III

PHYCHOLOGICAL FOUNDATIONS OF EDUCATION

Educational Psychology ; Concept concerns and scope of educational psychology contribution of psychology to education

Human Development ; Concept. Principles, sequential stages of development factors influencing development, and their relative role; general characteristics and problems of each stage

Theories of piaget and Bruner – major Concepts and stages and implications for education

Indian Theory of psychological Development

Learning Concept ,Kinds, levels of learning various view points on learning, Gegne's conditions of learning cognitive view point and information processing issues related to learning educational implications of the view points on learning.

Group Dynamics, Group process, interpersonal relations, sociometric grouping social emotional climate of classroom and influence of teacher characteristics.

Individual Difference ; Concept of Intra and inter difference.

UNIT-IV

Creativity : Nature, Process, Identification fostering and Guiding creative children.

Interests. attitude and values

Adjustment of teaching - Learning process to suit Individual differences, learning styles and teaching strategies

Personality; Concept development structure and dynamics of personality

Theories of personality; Allport psycho-analytic approach of Freud Erickson , behavior , approach Miller Dollard, and Bandura, Humanistic approach-Roger, Maslow.

Indian Theories Vedic Buddhist Rabindranath Tagore, Mahatma Gandhi, J Krishnamurti and sri Arubindo.

UNIT-V

Adjustment approach and mental Health

Concept mechanism of adjustment – Defense , escape withdrawal compensatory, Introduction to common forms of neuroses psychosis and somatic disorders, Principles of mental hygiene, preventive constructive curative measures, Implications for education.

3.2 विषय - हिंदी

पाठ्यक्रम

खंड - एक

1. अनुसंधान-प्रविधि, प्रक्रिया विकास : अनुसंधान शब्द और अर्थ एवं परिभाषा, अनुसंधान का स्वरुप, अनुसंधान के मूल-तत्त्व, अनुसंधान के प्रकार, विषय-चयन, सामग्री-संकलन, अनुसंधान और आलोचना, पाद्टिप्पणी, पाठालोचन, भाषावैज्ञानिक अनुसंधान, अनुसंधान की रुपरेखा, अनुसंधान की प्रविधियाँ, साक्षात्कार, प्रश्नावली।

2. कम्प्यूटर ज्ञान : कम्प्यूटर हार्डवेयर, कम्प्यूटर-प्रणाली के अंग, केंद्रीय संसाधन इकाई (CPU), नियंत्रण इकाई, गणितीय एवं तार्किक इकाई, मेमोरी (RAM&ROM), इनपुट-आउटपुट उपकरण, कम्प्यूटर सॉफ्टवेयर : सिस्टम सॉफ्टवेयर, आपरेटिंग सिस्टम, यूटिलिटिज प्रोग्राम्स, एप्लीकेशन सॉफ्टवेयर, वर्ड प्रोसेसर, एम.एस.वर्ड, एम. एस. एक्सेल, डाटाबेस प्रबंधन- प्रणाली, वर्ड-प्रोसेसर की विशेषताएँ, वर्ड प्रोसेसर के कार्य, वर्ड प्रोसेसर सॉफ्टवेयर का अनुसंधान में लाभ, ई-मेल, फैक्स, वीडियो सम्मेलन, शोध संबंधी प्रमुख सर्चिंग साईट्स, प्रचालन-प्रणाली, विंडोज, इंटरनेट और ऑनलाईन संसाधन।

3. संप्रेषण, सूचना एवं संचार प्रौद्योगिकी : संप्रेषण का स्वरुप, लक्षण, संप्रेषण की प्रक्रिया व तत्त्व, संप्रेषण के गुण-दोष, संप्रेषण का महत्त्व, प्रभावकारी संप्रेषण, संप्रेषण प्रविधि और प्रक्रिया, जनसंपर्क उद्भव व विकास, भारत में जनसंपर्क, जनसंपर्क स्वरुप अवधारणा, जनसंपर्क प्रचार के एजेंडा, विज्ञापन, जनसंपर्क सिद्धांत व व्यवहार। सूचना एवं संचार प्रौद्योगिकी का अर्थ, उद्देश्य, गुण-दोष तथा उपयोग। संचार का स्वरुप, संचार की प्रकृति, लक्षण, प्रकार तथा उपयुक्त संचार-प्रणाली। नवीन सूचना और संचार प्रौद्योगिकी।

खंड - दो

संबंधित विषय-हिंदी

1. हिंदी भाषा और विकास : अपभ्रंश (अवहट्ट सहित) और पुरानी हिंदी का संबंध, काव्य भाषा के रुप में अवधी और ब्रज का विकास, हिंदी का विकास, लिपि। भक्ति और राष्ट्रीय आंदोलन में हिंदी। हिंदी भाषा का स्वरुप भाषा की परिभाषा, भाषा की प्रकृति, भाषा के विविध रुप, हिंदी भाषा की उत्पत्ति, हिंदी का क्षेत्र, हिंदी की संवैधानिक स्थिति, हिंदी की वैज्ञानिकता एवं मानक रुप, महत्त्व व विशेषताएँ। हिंदी के विविध रुप- राजभाषा और राष्ट्रभाषा, बोली, राज्य-भाषा, संपर्क-भाषा, संचार-भाषा। ध्वनि, हिंदी वर्णमाला, वर्तनी, विराम चिह्न, संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया-विशेषण, शब्द-रचना, वाक्य-संरचना, संक्षेपण, पल्लवन, अपठित गद्याश और प्रश्नोत्तर, आशय-लेखन, पत्र, तार लेखन एवं कार्यालयीन आलेखन।

2. हिंदी साहित्य का इतिहास : हिंदी-साहित्येतिहास की परंपरा, हिंदी-साहित्येतिहास के आधार, काल-विभाजन और नामकरण, हिंदी-साहित्य का आरंभ, नामकरण, हिंदी के प्रमुख साहित्यिक केंद्र, संस्थाएँ तथा पत्र-पत्रिकाएँ।

आदिकाल : हिंदी-साहित्य का आरंभ, नामकरण, परिवेश, सिद्ध और जैन साहित्य, नाथ और रासो साहित्य, खुसरो की पहेलियाँ, विद्यापति पदावली, लौकिक एवं गद्य साहित्य, आदिकाल की उपलब्धियाँ।

मध्य काल : सीमांकन, परिवेश, भक्ति-आंदोलन, निर्गुण-सगुण संप्रदाय, संतकाव्य, प्रमुख संत कवि कबीर, नानक, दादू, रैदास, सूफी काव्य (प्रेमाख्यान काव्य), प्रमुख कवि मुल्ला दाऊद, कुतुबन, मंझन, मलिक मुहम्मद जायसी, सूफी काव्य की विशेषताएँ। वैष्णव भक्ति, बल्लभ संप्रदाय, अष्टछाप, प्रमुख कृष्ण-भक्ति कवि सूरसागर, नन्ददास, मीरा, रसखान का काव्य और विशेषताएँ। राम-भक्ति एवं प्रमुख कवि तुलसीदास तथा मध्यकाल की उपलब्धियाँ।

रीति काल : सामाजिक-सांस्कृतिक परिवेश, रीति-काव्य के प्रमुख स्रोत एवं प्रवृत्तियाँ, रीतिकवियों का आचार्यत्व, रीतिबद्ध, रीतिमुक्त, रीतिसिद्ध कवि और उनका काव्य, प्रमुख कवि- केशवदास, मतिराम, भूषण, बिहारीलाल, देव, घनानंद, पद्माकर, रीतिकाल की प्रमुख विशेषताएँ।

आधुनिक काल : नामकरण, उपभाग, परिस्थितियाँ। हिंदी गद्य का उद्भव और विकास।

भारतेन्दु युग : भारतेन्दु पूर्व काव्यधारा, 1875 ई. की राजक्रांति और सांस्कृतिक पुनर्जागरण, भारतेन्दु और समकालीन कवि, उन्नीसवीं सदी के उत्तरार्ध में हिंदी पत्रकारिता।

द्विवेदी युग : प्रमुख प्रवृत्तियाँ, महावीर प्रसाद और उनका युग, हिंदी नवजागरण और सरस्वती, द्विवेदी युगीन प्रमुख कवि, मैथिलीशरण गुप्त और राष्ट्रीय काव्यधारा, स्वच्छंदतावाद और प्रमुख कवि।

छायावाद युग : सीमांकन, नामकरण तथा परिवेश, छायावाद की प्रमुख विशेषताएँ, राष्ट्रीय-सांस्कृतिक काव्यधारा और प्रमुख कवि- माखनलाल चतुर्वेदी, सियारामशरण गुप्त, बालकृष्ण शर्मा 'नवीन', सुभद्राकुमारी चौहान और अन्य कवि, छायावाद और प्रमुख कवि- जयशंकर प्रसाद, सूर्यकांत निराला, सुमित्रानंदन पंत और महादेवी वर्मा, छायावादोत्तर काल और प्रमुख कवि, प्रगतिवाद, प्रगतिवादी काव्य और प्रमुख कवि, प्रयोगवाद, नकेनवाद, समकालीन साहित्य।

आधुनिक हिंदी कविता परंपरा व विकास : नई कविता और समकालीन कविता : परंपरा और विकास, प्रमुख कवि- शमशेर बहादुर सिंह की रचनाएँ, मुक्तिबोध का काव्य (भूल-गलती, ब्रम्हराक्षस, चाँद का मुँह टेढ़ा है), नरेश मेहता का काव्य (महाप्रस्थान - यात्रा पर्व और स्वाहा पर्व), गिरिजा कुमार माथुर का काव्य संवेदना और शिल्प विवेचन, सर्वेश्वर दयाल सक्सेना का काव्य : 'कुआनों नदी', सौंदर्य-बोध 'यहीं कहीं एक कच्ची सड़क थी', धर्मवीर भारती का काव्य (कानुप्रिया, आमबौर का अर्थ, और समुद्र स्वप्न) अशोक बाजपेयी का काव्य : संवेदना और शिल्प विवेचन, नन्दकिशोर आचार्य का काव्य : संवेदना और शिल्प विवेचन।

आधुनिक हिंदी गीत परंपरा व विकास : गीत संरचना : स्वरुप और परंपरा, सोहन लाल द्विवेदी, वीरेन्द्र मिश्र, भवानी प्रसाद मिश्र, गोपालदास नीरज, बालस्वरुप राही, रमानाथ अवस्थी के काव्य की काव्यगत विशेषताएँ।

3. हिंदी साहित्य की गद्य विधाएँ :

हिंदी उपन्यास : प्रेमचंद पूर्व उपन्यास, प्रेमचंद और उनका युग, प्रेमचंद के परवर्ती उपन्यासकार : जैनेद्र, अज्ञेय, हजारीप्रसाद द्विवेदी, यशपाल, अमृतलाल नागर, फणीश्वरनाथ रेणु, भीष्म साहनी, कृष्णा सोबती, निर्मल वर्मा, नरेश मेहता, रांगेय राघव, मन्नू भंडारी, राही मासूम रजा, विनोद कुमार शुक्ल, श्रीलाल शुक्ल।

हिंदी कहानी : बीसवीं सदी की हिंदी कहानी एवं प्रमुख कहानी आंदोलन। प्रेमचंद कृत 'शतरंज' के खिलाड़ी', जयशंकर प्रसाद कृत 'मथुआ', जैनेन्द्र कृत 'पत्नी', यशपाल की 'महाराजा का इलाज', अमरकान्त कृत 'जिन्दगी और जोक', मार्कण्डेय कृत 'भूदान', ज्ञान रंजन कृत 'पिता', राजेन्द्र यादव की 'टूटना', उशा प्रियम्बदा कृत 'जिन्दगी व गुलाब', कृष्ण बलदेव वेद 'मेरा दुश्मन', कृष्णा सोबती कृत 'सिक्का बदल गया' का अध्ययन व विवेचन।

हिंदी नाटक : हिंदी नाटक और रंगमंच, विकास के चरण और प्रमुख नाट्य कृतियाँ : अंधेर नगरी, चंद्रगुप्त, अंधा युग, आधे-अधूरे, आँठवा सर्ग।

हिंदी निबंध : हिंदी निबंध के प्रकार और प्रमुख निबंधकार - रामचंद्र शुक्ल, हजारीप्रसाद द्विवेदी, कुबेर नाथ राय, विद्यानिवास मिश्र, हरिशंकर परसाई। प्रमुख निबंध और कथेतर गद्य विधाएँ - बालमुकुन्द गुप्त कृत 'एक दुराशा' रामचन्द्र शुक्ल कृत 'लोकमंगल की साधनावस्था', हजारी प्रसाद द्विवेदी कृत 'अशोक के फूल' विद्यानिवास मिश्र कृत 'मेरे राम का मुकुट भींग रहा हैं; हरिशंकर परसाई कृत 'ठिठुरता हुआ गणतन्त्र की व्यंग चेतना', महादेवी वर्मा कृत 'भाभी' रेखाचित्र का अध्ययन व विवेचन, अज्ञेय कृत संस्मरण 'प्रेमचन्द' (स्मृति लेखा से), रांघेय राघव कृत रिर्पोताज 'अंधकार' (तुफानों के बीच में), निर्मल वर्मा कृत 'चीड़ों पर चाँदनी' (यात्रा वृतान्त) का अध्ययन व विवेचन, पाण्डेय बेचैन शर्मा 'उग्र' कृत 'अपनी खबर' (आत्मकथा), विष्णु प्रभाकर कृत 'आवारा मसीहा' (जीवनी) का अध्ययन व विवेचन, सहित हिंदी के अन्य रेखाचित्र, संस्मरण, यात्रा-वृतांत, आत्मकथा, रिर्पोताज की सामान्य जानकारी अपेक्षित होगी।

4. काव्यशास्त्र और आलोचना :

काव्य के लक्षण : शब्दार्थौ सहितौ काव्यम् (भामह), तद्दोषौ शब्दार्थौ सगुणावनलंकृती पुनः क्यापि (मम्मट), वाक्यं रसात्मकं काव्यम् (विश्वनाथ), रमणीयार्थ-प्रतिपादकः शब्दः काव्यम् (पण्डितराज जगन्नाथ), काव्य की आत्मा, शब्द शक्तियाँ और ध्वनि का स्वरुप, रीति, गुण, दोष।

रस : भरत मुनि का रस सूत्र और उसके व्याख्याकार, रस का स्वरुप और साधारणीकरण, रस के अवयव, सहृदय की अवधारणा।

अलंकार - यमक, श्लेष, वक्रोक्ति, उपमा, रुपक, उत्प्रेक्षा, संदेह, भ्रांतिमान, अतिश्योक्ति, अन्योक्ति, समाश्योक्ति, अत्योक्ति, विशेषोक्ति, दृष्टांत, उदाहरण, प्रतिवस्तुपमा, निदर्शना, अर्थातरन्यास, विभावना, असंगति तथा विरोधाभास।

हिंदी आलोचना : हिंदी आलोचना का विकास, प्रमुख आलोचक- रामचंद्र शुक्ल, नंददुलारे वाजपेयी, हजारीप्रसाद द्विवेदी, रामविलास शर्मा, डॉ. नगेंद्र, डॉ. नामवर सिंह, विजय देव नारायण साही।

पाश्चात्य काव्यशास्त्र : प्लेटो और अरस्तू का अनुकरण सिद्धांत, अरस्तू का विरेचन सिद्धांत, बर्ड्सवर्थ का काव्य-भाषा सिद्धांत, आई. ए. रिचर्ड्स- मूल्य सिद्धांत तथा काव्य-भाषा सिद्धांत, टी. एस. इलिएट- निर्वैयक्तिकता का सिद्धांत, वस्तुनिष्ठ सह-सबंधी, परंपरा की अवधारणा, रुसो- रुपवाद, नयी समीक्षा, मार्क्सवाद, स्वच्छंदतावाद और यर्थाथवाद, संरचनावाद, उत्तर संरचनावाद, आधुनिकता, उत्तर आधुनिकता, समकालीन आलोचनाएँ, अवधारणाएँ : विडंबना (आयरनी), अजनबीपन (एलीनेशन), विसंगति (एब्सर्ड), अंतर्विरोध (पैराडाक्स), विखंडन (डिकंसट्रकशनस), मिथम, फैटांसी, कल्पना, प्रतीक और बिंब।

3.3 Subject : Library & Information Science

Syllabus :

Part - One

Research-

- Research: Concept, Meaning, need and process of research.
- Type of Research- Fundamental and Applied.
- Research Design- Types of research design, Identification and formulation of problem, Hypotheses.

Research methods –

- Research Methods- Scientific, Historical, Descriptive, Survey and case study methods, Experimental method and Delphi Method.
- Research techniques & Tools-Questionnaire, Schedule interview, Observation and sampling techniques.

Data analysis and Interpretation-

- Descriptive Statistics-Measures of central tendencies- Mean, Median, Mode.
- Tabulation and generalization.
- Standard Deviation and Correlation.
- Testing of hypotheses.

Bibliometries, Informatrics & Scientometrics-

- Bibliomertics, Informatries&Scientometrics: Concept definition and their scope
- Bibliometrics laws-Brandford, Zipf, Lotka.
- Content analysis,
- Sociometry.
- Citation studies-Catation-nature and definition, Citation-theory and analysis.
- Offset weight age formula of Sengupta.

Research reporting-Designing research proposal-

- Structure, Style, Content & Guidelines for Research reporting.
- Standards for citing bibliographical reference (Like Chicago manual, MLA & Indian standards)
- Current trends in library and information science research.

Part - Two

Information Science-

- Definition, Scope, Objectives, Genesis and development.
- Information Science as a discipline and its relationship with other subject fields.
- Information industry-Generators, Providers and intermediaries.

Information and communication-

- Information: Characteristics, Nature and use of information.
- Conceptual difference between data,
- Information and knowledge.
- Communication of Information.

- Information generation and diffusion.
- Communication channels and barriers.

Information and the state-

- Policies relating to information including science and technology and education.
- International and National programs and policies (NAPLIC)
- IT and library.
- UAP, UBC
- Laws relating to information with special reference to India. Including press and registration act. Delivery of books (public Libraries) Act, Copyright Act.

Information user & their needs-

- Categories of information users.
- Information needs: definition and models.
- Information seeking behavior.
- Methods and techniques of user studies.
- Evaluation of users studies.

Information products-

- Information products: Nature, concept, types, design and development and marketing.
- Economics of information.
- Information management.
- Knowledge management.

Universe of Knowledge-

- Structure and attributes.
- Modes of formation of subjects,
- Different types of subjects and their modes of formation
- Universe of Knowledge as mapped in different schemes of classification.

Methods of knowledge organization-

- Canons and normative principles of sayers and Rangnathan of classification.
- Species of Library Classification schemes.
- Standard schemes of library classification; Introduction, features and application-CC, DDC & UDC.
- Universal and special schemes of classification.
- Abstract classification.
- Choice of schemes of classification.
- Study of categories postulated by different classification for grouping ideas.
- Postulates & Principles for facet sequence,
- Telescoping of facets.

Notation-

- Notation: Types, Structures & qualities, canons of notation.
- Mnemonics- Types and canons
- Indicator digits.
- Zone analysis and sector notation.
- Canons for book classification.

- Systems of book number.

Recent Trends & Developments-

- Design and development of a Scheme of library classification.
- Role of DRTC, CRG and FID.
- Contribution of International Conference towards classification research.
- BSO: Salient features.

Management

- Management styles and approaches.
- Management schools of thought.
- Functions and Principles of Scientific management.
- Human Resource Management- Organization structure, job analysis and description; Job evaluation, motivation.

Financial Management-

- Resource mobilization.
- Budgeting technique & methods: PPBS. Zero based budgeting etc. Budgetary control.
- Cost effectiveness and cost benefit analysis.
- Total Quality Management (TQM)-Definition, Concept & elements of TQM and quality audit.

System Analysis and Design-

- System- definition, Concept and characteristics.
- Library as a system.
- Project management,
- PERT/CPM.
- Decision tables.
- DFD (Data Flow Diagram).
- Work study: Flow chart, Gantt chart, Block diagrams.

Planning-

- Concept, Definition, Need, Purpose, Types, Policien and Procedures.
- MBO, MBE
- Strategic management- Definition objectives. Politices process & models of strategic management.
- SWOT analysis.

Managing Change-

- Concept of change: changes in procedures, method.
- Use of new tools and techniques;
- Techniques of managing changes.
- Collection development and management- Politics and procedures.
- Time and motion study.

Subjects analysis and representation-

- Problems of subjects analysis and representation.
- Contributions of cutter, Rangnathan, Farradane and Coates.
- Principles of subject cataloguing - Assigning subjects- Heading using library of congress subjects headings and sears list of subject heading etc.

Indexing language and vocabulary control-

- Indexing languages- Types and characteristics.
- Vocabulary control – tools of vocabulary control.
- Thesaurus- Structures and construction of an IR Thesaurus. Thesaurofacet.
- Trends in automatic indexing.
- Recall and Precision devices in indexing languages.

Indexing Systems-

- Pre Coordinate and post coordinate indexing system.
- Outline study of the following indexing systems.
- KWIC, KOWC.
- Chain Indexing, PRECIS, POPSI.
- Uniterm indexing, Citation indexing.
- Standards for Bibliographical Description: AACR-2, ISBD, MARC (Format), CCF

Information Retrieval Systems-

- Definition, Types, Components and operational stages of IRS.
- Information Retrieval- Data base, information base and SQL, IR models.
- Search Process- Principles & methods of searching.
- Search Techniques- Boolean searches On-Line searching techniques and retrieval.

Information retrieval systems evaluation-

- Projects and parameters.
- Important test results- Cranfield, Medlars, Smart.
- Information retrieval through optical media and CD-ROM data base.
- IR though OPAC and internet.

Information sources-

- Documentary sources of information.
- Print, Non-print including Electronic Nature.
- Characteristics, Utility and evaluation of different types of information sources.
- Non Documentary Information sources; Human and institutional – Nature, Types, Characteristics and utility.
- Internet as a source of information.

Information services-

- Information services- Concepts, Definition, need and trends.
- Techniques and evaluation of alerting services (CAS & SDI)
- Bibliographic, Referral.
- Document delivery and translation services.

Information Products-

- Information products- nature, concepts, types, Design and marketing Abstracting.
- Types and guidelines in preparing abstract.
- Study and evaluation of important abstract periodicals information analysis, Repacking and consolidation.

User Educations-

- Goals and Objectives, levels, techniques and methods.
- References interview and search techniques.
- Resource sharing and library networking.
- Study of Indonet, Inflibnet, Calibnet, Nicnet, Delnet, Adinet, Malibnet.
- International information system and network.
- AGRIS, BIOSIS, CAS, DEVSIS, ICUS, INIS, INSPEC, MEDLARS.

Information Technology-

- Definition, need, scope and objectives.
- Historical background of computers.
- Generation of computers,
- Architecture CPU, Input/Output devices.
- Hardware and software.
- Operating system-Ms- windows, UNIX, MS-DOS.

Networking-

- Types of networks- LAN, WAN. MAN
- Local Area Network; LAN Topologies, Network, Hardware- Network interface card,hubs/switches.
- Gateway/Bridges, routers, modem.
- Network protocols- TCP/IP, Net-BUI, IPX.

Internet- Basic features and tools-

- Connectivity- Dialup, Leased lines, Microwave, ISDM.
- Digital Subscriber Lines (DSL).
- E-mail-protocols- Telnet, FTP, DTTP. Web browsers, Web servers, Search Engines.
- Web design, SGML, HTML, DHTML and XML.

Data Base Management System-

- Models- Hierarchical, Network, Relation and object oriented.
- Software – CDS/ ISIS, SOUL
- Structure Query Language. Artificial Intelligence.
- Digital libraries- definition, characteristics & attributes.
- Storage media formats- DVD.

Library Automation-

- Planning and implementation of library automation.
- Automation of in-house operation- Acquisition, Cataloguing, Circulation, OPAC Bar- Coding.

Management Information Systems-

- Definition, concepts, elements and objectives of M.I.S.
- Information and management effectiveness
- Information needs and management levels.
- Features of MIS system approach to MIS.
- Properties of MIS.
- Structure of MIS.

3.4 SUBJECT : MANAGEMENT

Syllabus :

Part - Two

Management : Nature, Scope, Functions: Planning, Organizing, Staffing, Directing and Controlling, Communication, Business Environment, Scanning, Factors influencing Business Environment: Strategic Alliances, Mergers and Acquisitions, Disinvestment, Reorganization, Enterprise Resource Planning, Business Ethics, Social Responsibility, Quality Management Practices.

Evolution of management thought, Social Responsibility of Business: Understanding and Managing individual behaviour; Personality; Perceptions; Attitudes; Learning; Decision-making; Management by Objectives; Understanding and managing group processes- interpersonal and group dynamics, Leadership and influence process; Work Motivation, Organizational Change and development; Conflict Management, Stress Management.

Human Resource Management: Recruitment and Training, Leadership: Traits, Styles, Employee Motivation, Performance Appraisal, Industrial Relations, Labour Laws: Laws relating to Wages, Factories Act, Job Satisfaction, Job Stress, Emotional Intelligence, Human Resources Information System. Introduction to strategic HRM.

Financial Management: Capital Structure, Capital Market, Working Capital Management, Stock Market, SEBI Guidelines, Derivatives, Mutual Funds, Credit Management, Banking and Insurance Services, Financial Information Systems.

Marketing: Marketing Concepts, Approaches, Market Segmentation, Service Marketing, Marketing Mix, Consumer Behaviour, Consumer Decision-making, Customer Relationship & Supply Chain Management, Marketing Information System. Advertising Sales promotion Public relation Distribution management.

Production Management: Role and scope of Production Management, Facility Location, Layout Planning, Production, Planning and Control, Production Scheduling, Work measurement, Time and Motion study.

Management Ethics: Value based organisation, Personal framework for ethical choice, Gender issue, Ecological consciousness, Environmental ethics, social responsibility, corporate governance and ethics.

Entrepreneurship: Entrepreneurship needs and importance, traits, Intrapreneurship (Organisational Entrepreneurship), reasons to start business, process of identifying Business opportunities, Detail Business Plan, MSME, Industrial Sickness, Rehabilitation of Sick Enterprises .

3.5 SUBJECT : PSYCHOLOGY

Syllabus :

Part - Two

Experimental and Cognitive psychology: Perception, Attention, Memory & Forgetting: Memory process, Thinking & Problem solving, Decision-making, Learning: Nature and Types, Creativity and Reasoning.

Psychopathology and Health psychology: Classification System in psychopathology, intervention models and psychotherapies- Psychoanalytical, Behavioural, Humanistic, Biological, Behavioural medicine, Socio-cultural, Phenomenological and indigenous or Spiritual approaches of therapy, Theories and models of Anxiety disorder, Schizophrenia, Mood Disorder, Mental Retardation and personality disorders, psycho physiological disorder, Promotion of Mental Health and its maintenance.

Life spans Development and Personality Psychology : Nature and Principles of development, Scope, Factors influencing development, human Development of Physical, Language, Social, Emotional and moral development during Infancy, Childhood and Adolescence, Behavior problems in Adulthood, Middle and Old Age.

Social and Cultural Psychology : Historical Background & Theoretical perspective, Social Cognition and Influence Process, Communication, Leadership, Attitude, Understanding Relationship and Group Processes, Culture and Behaviour, Applied Social Psychology.

Personality: Concept and Meaning, Theories of personality: Psychodynamic, Behavioural, Trait, Cognitive, Humanistic approach, Indigenous concept and Models of personality.

Psychological Assessment: Nature of Psychological Assessment, Construction of Psychometric tools: Reliability validity and Norms, Scaling, Cognitive and Non-Cognitive Tests, Adaptation of tests.

3.6 SUBJECT : SOCIOLOGY

Syllabus :

Part-Two

Unit -1 : Sociological Theory

1. Classical Sociological Traditions : Emile Durkheim, Max Weber, Karl Marx.
2. Structure- Functionalism and Structuralism : Bronislaw Malinowski, A.R. Radcliffe- Brown,Talcott Parsons, Robert K. Merton, Claude Levi Strauss.
3. Hermeneutic and Interpretative Traditions : G.H. Mead, Karl Manheim, Alfred Schutz, Harold Garfinkel, Erving Goffman, Clifford Geertz.
4. Post Modernism, Post Structuralism and Post Colonialism : Edward Said, Pierre Bourdieu, Michel Foucault, Jurgen Habermas, Anthony Giddens, Manuel Castells 2
5. Indian Thinkers : M.K. Gandhi, B.R. Ambedkar, Radha Kamal Mukherjee, G. S. Ghurye, M.N. Srinivas, Irawati Karve.

Unit -2 : Basic Concepts and Institutions

1. Sociological Concepts : Social Structure, Culture, Network, Status and Role, Identity, Community, Diaspora, Values, Norms and Rules, Personhood, Habitus and Agency, Bureaucracy, Power and Authority.
2. Social Institutions : Marriage, Family and Kinship, Economy, Polity, Religion, Education, Law and Customs .
3. Social Stratification : Social Difference, Hierarchy, Inequality and Marginalization, Caste and Class, Gender, Sexuality and Disability, Race, Tribe and Ethnicity
4. Social Change and Processes : Evolution and Diffusion, Modernization and Development, Social Transformations and Globalization, Social Mobility.

Unit – 3 : Rural and Urban Transformations

1. Rural and Peasant Society : Caste-Tribe Settlements, Agrarian Social Structure and Emergent Class Relations, Land Ownership and Agrarian Relations, Decline of Agrarian Economy, De-Peasantization and Migration, Agrarian Unrest and Peasant Movements, Changing Inter-Community Relations and Violence .
2. Urban Society : Urbanism, Urbanity and Urbanization , Towns, Cities and Mega-Cities , Industry, Service and Business , Neighbourhood, Slums and Ethnic Enclaves, Middle Class and Gated Communities , Urban Movements and Violence.

Unit - 4: Family, Marriage and Kinship

Theoretical Approaches: Structure-Functionalist, Alliance and Cultural , Gender Relations and Power Dynamics, Inheritance, Succession and Authority, Gender, Sexuality and Reproduction, Children, Youth and Elderly, Emotions and Family, Emergent Forms of Family, Changing Marriage Practices, Changing Care and Support Systems, Family Laws, Domestic Violence and Crime against Women, Honour Killing.

Unit – 5 : Economy and Society

Exchange, Gift , Capital, Labour and Market, Mode of Production Debates, Property and Property Relations, State and Market: Welfarism and Neoliberalism, Models of Economic Development , Poverty and Exclusion, Factory and Industry Systems, Changing Nature of Labour Relations, Gender and Labour Process, Business and Family, Digital Economy, E-Commerce, Global Business and Corporates, Tourism, Consump ion.

3.7 SUBJECT : COMMERCE

Syllabus :

Part-Two

Unit-I

Business Environment

Meaning and Elements of Business Environment Economic environment, Economic Policies, Economic Planning Legal environment of Business in India, Competition policy, Consumer protection, Environment protection Policy Environment : Liberalization, Privatisation and globalisation, Second generation reforms, Industrial policy and implementation. Industrial growth and structural changes

Unit-II

Financial & Management Accounting

Basic Accounting concepts, Capital and Revenue, Financial statements Partnership Accounts : Admission, Retirement, Death, Dissolution and Cash Distribution

Advanced Company Accounts : Issue, forfeiture, Purchase of Business, Liquidation, Valuation of shares, Amalgamation, Absorption and Reconstruction, Holding Company Accounts Cost and Management Accounting : Ratio Analysis, Funds Flow Analysis, Cash Flow Analysis, Marginal costing and Break-even analysis, Standard costing, Budgetary control, Costing for decision-making Responsibility accounting

Unit-III

Business Economics

Nature and uses of Business Economics, Concept of Profit and Wealth maximization. Demand Analysis and Elasticity of Demand, Indifference Curve Analysis, Law Utility Analysis and Laws of Returns and Law of variable proportions Cost, Revenue, Price determination in different market situations : Perfect competition, Monopolistic competition, Monopoly, Price discrimination and Oligopoly, Pricing strategies

Unit-IV

Business Statistics & Data Processing

Data types, Data collection and analysis, sampling, need, errors and methods of sampling, Normal distribution, Hypothesis testing, Analysis and Interpretation of Data Correlation and Regression, small sample tests—t-test, F-test and chi-square test Data processing—Elements, Data entry, Data processing and Computer applications Computer Application to Functional Areas—Accounting, Inventory control, Marketing

Unit-V

Business Management

Principles of Management Planning—Objectives, Strategies, Planning process, Decision-making Organising, Organisational structure, Formal and Informal organisations, Organisational culture Staffing Leading : Motivation, Leadership, Committees, Communication Controlling Corporate Governance and Business Ethics

Unit -VI

Marketing Management

The evolution of marketing, Concepts of marketing, Marketing mix, Marketing environment Consumer behaviour, Market segmentation Product decisions Pricing decisions Distribution decisions Promotion decisions Marketing planning, Organising and Control Unit VII Financial Management Capital Structure, Financial and Operating leverage Cost of capital, Capital budgeting Working capital management Dividend Policy

Unit-VIII

Human Resources Management

Concepts, Role and Functions of Human Resource management Human Resource Planning, Recruitment and Selection Training and Development, Succession Planning Compensation : Wage and Salary Administration, Incentive and Fringe benefits, Morale and Productivity Performance Appraisal Industrial Relations in India, Health, Safety, Welfare and Social security, Workers' Participation in Management

Unit-IX

Banking and Financial Institution

Importance of Banking to Business, Types of Banks and Their Functions, Reserve Bank of India, NABARD

and Rural Banking Banking Sector Reforms in India, NPA, Capital adequacy norms E-banking Development Banking : IDBI, IFCI, SFCs, UTI, SIDBI

Unit-X

International Business

Theoretical foundations of international business, Balance of Payments International liquidity, International Economic Institutions—IMF, World Bank IFC, IDA, ADB World Trade Organisation—its functions and policies Structure of India's foreign trade : Composition and direction, EXIM Bank, EXIM Policy of India, Regulation and promotion of Foreign Trade

3.8 SUBJECT : COMPUTER SCIENCE

Syllabus :

Part-Two

Unit - 1 : Discrete Structures and Optimization

Mathematical Logic: Propositional and Predicate Logic, Propositional Equivalences, Normal Forms, Predicates and Quantifiers, Nested Quantifiers, Rules of Inference.

Sets and Relations: Set Operations, Representation and Properties of Relations, Equivalence Relations, Partially Ordering.

Counting, Mathematical Induction and Discrete Probability: Basics of Counting, Pigeonhole Principle, Permutations and Combinations, Inclusion- Exclusion Principle, Mathematical Induction, Probability, Bayes' Theorem.

Group Theory: Groups, Subgroups, Semi Groups, Product and Quotients of Algebraic Structures, Isomorphism, Homomorphism, Automorphism, Rings, Integral Domains, Fields, Applications of Group Theory.

Graph Theory: Simple Graph, Multigraph, Weighted Graph, Paths and Circuits, Shortest
Paths in Weighted Graphs, Eulerian Paths and Circuits, Hamiltonian Paths and Circuits, Planner graph, Graph Coloring, Bipartite Graphs, Trees and Rooted Trees, Prefix Codes, Tree Traversals, Spanning Trees and Cut-Sets.

Boolean Algebra: Boolean Functions and its Representation, Simplifications of Boolean Functions.

Optimization: Linear Programming - Mathematical Model, Graphical Solution, Simplex and
Dual Simplex Method, Sensitive Analysis; Integer Programming, Transportation and Assignment Models, PERT-CPM: Diagram Representation, Critical Path Calculations, Resource Levelling, Cost Consideration in Project Scheduling.

Unit - 2 : Computer System Architecture

Digital Logic Circuits and Components: Digital Computers, Logic Gates, Boolean Algebra, Map Simplifications, Combinational Circuits, Flip-Flops, Sequential Circuits, Integrated Circuits, Decoders, Multiplexers, Registers and Counters, Memory Unit.

Data Representation: Data Types, Number Systems and Conversion, Complements, Fixed Point Representation, Floating Point Representation, Error Detection Codes, Computer Arithmetic - Addition, Subtraction, Multiplication and Division Algorithms.

Register Transfer and Microoperations: Register Transfer Language, Bus and Memory Transfers, Arithmetic, Logic and Shift Microoperations.

Basic Computer Organization and Design: Stored Program Organization and Instruction Codes, Computer Registers, Computer Instructions, Timing and Control, Instruction Cycle, Memory-Reference Instructions, Input-Output, Interrupt.

Programming the Basic Computer: Machine Language, Assembly Language, Assembler, Program Loops, Subroutines, Input-Output Programming.

Microprogrammed Control: Control Memory, Address Sequencing, Design of Control Unit.

Central Processing Unit: General Register Organization, Stack Organization, Instruction Formats, Addressing Modes, RISC Computer, CISC Computer.

Pipeline and Vector Processing: Parallel Processing, Pipelining, Arithmetic Pipeline, Instruction Pipeline, Vector Processing Array Processors.

Input-Output Organization: Peripheral Devices, Input-Output Interface, Asynchronous Data Transfer, Modes of Transfer, Priority Interrupt, DMA, Serial Communication.

Memory Hierarchy: Main Memory, Auxillary Memory, Associative Memory, Cache Memory, Virtual Memory, Memory Management Hardware.

Multiprocessors: Characteristics of Multiprocessors, Interconnection Structures, Interprocessor Arbitration, Interprocessor Communication and Synchronization, Cache Coherence, Multicore Processors.

Unit - 3 : Programming Languages and Computer Graphics

Language Design and Translation Issues: Programming Language Concepts, Paradigms and Models, Programming Environments, Virtual Computers and Binding Times, Programming Language Syntax, Stages in Translation, Formal Transition Models.

Elementary Data Types: Properties of Types and Objects; Scalar and Composite Data Types.

Programming in C: Tokens, Identifiers, Data Types, Sequence Control, Subprogram Control, Arrays, Structures, Union, String, Pointers, Functions, File Handling, Command Line Argumaents, Preprocessors.

Object Oriented Programming: Class, Object, Instantiation, Inheritance, Encapsulation, Abstract Class, Polymorphism.

Programming in C++: Tokens, Identifiers, Variables and Constants; Data types, Operators, Control statements, Functions Parameter Passing, Virtual Functions, Class and Objects; Constructors and Destructors; Overloading, Inheritance, Templates, Exception and Event Handling; Streams and Files; Multifile Programs.

Web Programming: HTML, DHTML, XML, Scripting, Java, Servlets, Applets.

Computer Graphics: Video-Display Devices, Raster-Scan and Random-Scan Systems; Graphics Monitors, Input Devices, Points and Lines; Line Drawing Algorithms, Mid-Point Circle and Ellipse Algorithms; Scan Line Polygon Fill Algorithm, Boundary-Fill and Flood-
Fill.

2-D Geometrical Transforms and Viewing: Translation, Scaling, Rotation, Reflection and Shear Transformations; Matrix Representations and Homogeneous Coordinates; Composite Transforms, Transformations Between Coordinate Systems, Viewing Pipeline, Viewing Coordinate Reference Frame, Window to View-Port Coordinate Transformation, Viewing Functions, Line and Polygon Clipping Algorithms.

3-D Object Representation, Geometric Transformations and Viewing: Polygon Surfaces, Quadric Surfaces, Spline Representation, Bezier and B-Spline Curves; Bezier and B-Spline Surfaces; Illumination Models, Polygon Rendering Methods, Viewing Pipeline and Coordinates; General Projection Transforms and Cipping.

Unit – 4 : Database Management Systems

Database System Concepts and Architecture: Data Models, Schemas, and Instances; Three-Schema Architecture and Data Independence; Database Languages and Interfaces; Centralized and Client/Server Architectures for DBMS.

Data Modeling: Entity-Relationship Diagram, Relational Model - Constraints, Languages, Design, and Programming, Relational Database Schemas, Update Operations and Dealing with Constraint Violations; Relational Algebra and Relational Calculus; Codd Rules.

SQL: Data Definition and Data Types; Constraints, Queries, Insert, Delete, and Update Statements; Views, Stored Procedures and Functions; Database Triggers, SQL Injection.

Normalization for Relational Databases: Functional Dependencies and Normalization;
Algorithms for Query Processing and Optimization; Transaction Processing, Concurrency Control Techniques, Database Recovery Techniques, Object and Object-Relational Databases; Database Security and Authorization.

Enhanced Data Models: Temporal Database Concepts, Multimedia Databases, Deductive Databases, XML and Internet Databases; Mobile Databases, Geographic Information Systems, Genome Data Management, Distributed Databases and Client-Server Architectures.

Data Warehousing and Data Mining: Data Modeling for Data Warehouses, Concept Hierarchy, OLAP and OLTP; Association Rules, Classification, Clustering, Regression, Support Vector Machine, K-Nearest Neighbour, Hidden Markov Model, Summarization, Dependency Modeling, Link Analysis, Sequencing Analysis, Social Network Analysis.

Big Data Systems: Big Data Characteristics, Types of Big Data, Big Data Architecture, Introduction to Map-Reduce and Hadoop; Distributed File System, HDFS.

NOSQL: NOSQL and Query Optimization; Different NOSQL Products, Querying and Managing NOSQL; Indexing and Ordering Data Sets; NOSQL in Cloud.

Unit – 5 : System Software and Operating System

System Software: Machine, Assembly and High-Level Languages; Compilers and Interpreters; Loading, Linking and Relocation; Macros, Debuggers.

Basics of Operating Systems: Operating System Structure, Operations and Services; System Calls, Operating-System Design and Implementation; System Boot.

Process Management: Process Scheduling and Operations; Interprocess Communication, Communication in Client–Server Systems, Process Synchronization, Critical-Section Problem, Peterson's Solution, Semaphores, Synchronization.

Threads: Multicore Programming, Multithreading Models, Thread Libraries, Implicit Threading, Threading Issues.

CPU Scheduling: Scheduling Criteria and Algorithms; Thread Scheduling, MultipleProcessor Scheduling, Real-Time CPU Scheduling.

Deadlocks: Deadlock Characterization, Methods for Handling Deadlocks, Deadlock Prevention, Avoidance and Detection; Recovery from Deadlock.

Memory Management: Contiguous Memory Allocation, Swapping, Paging, Segmentation, Demand Paging, Page Replacement, Allocation of Frames, Thrashing, Memory-Mapped
Files.

Storage Management: Mass-Storage Structure, Disk Structure, Scheduling and Management, RAID Structure.

File and Input/Output Systems: Access Methods, Directory and Disk Structure; FileSystem Mounting, File Sharing, File-System Structure and Implementation; Directory Implementation, Allocation Methods,

Free-Space Management, Efficiency and Performance; Recovery, I/O Hardware, Application I/O Interface, Kernel I/O Subsystem, Transforming I/O Requests to Hardware Operations.

Security: Protection, Access Matrix, Access Control, Revocation of Access Rights, Program Threats, System and Network Threats; Cryptography as a Security Tool, User Authentication, Implementing Security Defenses.

Virtual Machines: Types of Virtual Machines and Implementations; Virtualization.

Linux Operating Systems: Design Principles, Kernel Modules, Process Management, Scheduling, Memory Management, File Systems, Input and Output; Interprocess Communication, Network Structure.

Windows Operating Systems: Design Principles, System Components, Terminal Services and Fast User Switching; File System, Networking.

Distributed Systems: Types of Network based Operating Systems, Network Structure, Communication Structure and Protocols; Robustness, Design Issues, Distributed File Systems.

Unit – 6 : Software Engineering

Software Process Models: Software Process, Generic Process Model – Framework Activity, Task Set and Process Patterns; Process Lifecycle, Prescriptive Process Models, Project Management, Component Based Development, Aspect-Oriented Software Development, Formal Methods, Agile Process Models – Extreme Programming (XP), Adptive Software Development, Scrum, Dynamic System Development Model, Feature Driven Development, Crystal, Web Engineering.

Software Requirements: Functional and Non-Functional Requirements; Eliciting Requirements, Developing Use Cases, Requirement Analysis and Modelling; Requirements Review, Software Requirment and Specification (SRS) Document.

Software Design: Abstraction, Architecture, Patterns, Separation of Concerns, Modularity, Information Hiding, Functional Independence, Cohesion and Coupling; Object-Oriented Design, Data Design, Architectural Design, User Interface Design, Component Level Design.

Software Quality: McCall's Quality Factors, ISO 9126 Quality Factors, Quality Control, Quality Assurance, Risk Management, Risk Mitigation, Monitoring and Management (RMMM); Software Reliability.

Estimation and Scheduling of Software Projects: Software Sizing, LOC and FP based Estimations; Estimating Cost and Effort; Estimation Models, Constructive Cost Model (COCOMO), Project Scheduling and Staffing; Time-line Charts.

Software Testing: Verification and Validation; Error, Fault, Bug and Failure; Unit and Integration Tesing; White-box and Black-box Testing; Basis Path Testing, Control Structure Testing, Deriving Test Cases, Alpha and Beta Testing; Regression Testing, Performance Testing, Stress Testing.

Software Configuration Management: Change Control and Version Control; Software Reuse, Software Re-engineering, Reverse Engineering.

Unit – 7 : Data Structures and Algorithms

Data Structures: Arrays and their Applications; Sparse Matrix, Stacks, Queues, Priority Queues, Linked Lists, Trees, Forest, Binary Tree, Threaded Binary Tree, Binary Search Tree, AVL Tree, B Tree, B+ Tree, B* Tree, Data Structure for Sets, Graphs, Sorting and Searching Algorithms; Hashing.

Performance Analysis of Algorithms and Recurrences: Time and Space Complexities; Asymptotic Notation, Recurrence Relations.

Design Techniques: Divide and Conquer; Dynamic Programming, Greedy Algorithms, Backtracking, Branch and Bound.

Lower Bound Theory: Comparison Trees, Lower Bounds through Reductions.

Graph Algorithms: Breadth-First Search, Depth-First Search, Shortest Paths, Maximum Flow, Minimum Spanning Trees.

Complexity Theory: P and NP Class Problems; NP-completeness and Reducibility.

Selected Topics: Number Theoretic Algorithms, Polynomial Arithmetic, Fast Fourier Transform, String Matching Algorithms.

Advanced Algorithms: Parallel Algorithms for Sorting, Searching and Merging, Approximation Algorithms, Randomized Algorithms.

Unit – 8 : Theory of Computation and Compilers

Theory of Computation: Formal Language, Non-Computational Problems, Diagonal Argument, Russels's Paradox.

Regular Language Models: Deterministic Finite Automaton (DFA), Non-Deterministic Finite Automaton (NDFA), Equivalence of DFA and NDFA, Regular Languages, Regular Grammars, Regular Expressions, Properties of Regular Language, Pumping Lemma, NonRegular Languages, Lexical Analysis.

Context Free Language: Pushdown Automaton (PDA), Non-Deterministic Pushdown Automaton (NPDA), Context Free Grammar, Chomsky Normal Form, Greibach Normal Form, Ambiguity, Parse Tree Representation of Derivation Trees, Equivalence of PDA's and Context Free Grammars; Properties of Context Free Language.

Turing Machines (TM): Standard Turing Machine and its Variations; Universal Turing

Machines, Models of Computation and Church-Turing Thesis; Recursive and RecursivelyEnumerable Languages; Context-Sensitive Languages, Unrestricted Grammars, Chomsky Hierarchy of Languages, Construction of TM for Simple Problems.

Unsolvable Problems and Computational Complexity: Unsolvable Problem, Halting Problem, Post Correspondence Problem, Unsolvable Problems for Context-Free Languages, Measuring and Classifying Complexity, Tractable and Intractable Problems.

Syntax Analysis: Associativity, Precedence, Grammar Transformations, Top Down Parsing, Recursive Descent Predictive Parsing, LL(1) Parsing, Bottom up Parsing, LR Parser, LALR(1) Parser.

Semantic Analysis: Attribute Grammar, Syntax Directed Definitions, Inherited and Synthesized Attributes; Dependency Graph, Evaluation Order, S-attributed and L-attributed Definitions; Type-Checking.

Run Time System: Storage Organization, Activation Tree, Activation Record, Stack Allocation of Activation Records, Parameter Passing Mechanisms, Symbol Table.

Intermediate Code Generation: Intermediate Representations, Translation of Declarations, Assignments, Control Flow, Boolean Expressions and Procedure Calls.

Code Generation and Code Optimization: Control-flow, Data-flow Analysis, Local Optimization, Global Optimization, Loop Optimization, Peep-Hole Optimization, Instruction Scheduling.

Unit – 9 : Data Communication and Computer Networks

Data Communication: Components of a Data Communication System, Simplex, HalfDuplex and Duplex Modes of Communication; Analog and Digital Signals; Noiseless and Noisy Channels; Bandwidth, Throughput and Latency; Digital and Analog Transmission; Data Encoding and Modulation Techniques; Broadband and Baseband Transmission; Multiplexing, Transmission Media, Transmission Errors, Error Handling Mechanisms.

Computer Networks: Network Topologies, Local Area Networks, Metropolitan Area Networks, Wide Area Network, Wireless Networks, Internet.

Network Models: Layered Architecture, OSI Reference Model and its Protocols; TCP/IP Protocol Suite, Physical, Logical, Port and Specific Addresses; Switching Techniques.

Functions of OSI and TCP/IP Layers: Framing, Error Detection and Correction; Flow and Error Control; Sliding Window Protocol, HDLC, Multiple Access – CSMA/CD, CSMA/CA, Reservation, Polling, Token Passing, FDMA, CDMA, TDMA, Network Devices, Backbone Networks, Virtual LANs.

IPv4 Structure and Address Space; Classful and Classless Addressing; Datagram, Fragmentation and Checksum; IPv6 Packet Format, Mapping Logical to Physical Address (ARP), Direct and Indirect Network Layer Delivery; Routing Algorithms, TCP, UDP and SCTP Protocols; Flow Control, Error Control and Congestion Control in TCP and SCTP.

World Wide Web (WWW): Uniform Resource Locator (URL), Domain Name Service (DNS), Resolution - Mapping Names to Addresses and Addresses to Names; Electronic Mail Architecture, SMTP, POP and IMAP; TELNET and FTP.

Network Security: Malwares, Cryptography and Steganography; Secret-Key Algorithms, Public-Key Algorithms, Digital Signature, Virtual Private Networks, Firewalls.

Mobile Technology: GSM and CDMA; Services and Architecture of GSM and Mobile Computing; Middleware and Gateway for Mobile Computing; Mobile IP and Mobile Communication Protocol; Communication Satellites, Wireless Networks and Topologies; Cellular Topology, Mobile Adhoc Networks, Wireless Transmission and Wireless LANs; Wireless Geolocation Systems, GPRS and SMS.

Cloud Computing and IoT: SaaS, PaaS, IaaS, Public and Private Cloud; Virtualization, Virtual Server, Cloud Storage, Database Storage, Resource Management, Service Level Agreement, Basics of IoT.

Unit – 10 : Artificial Intelligence (AI)

Approaches to AI: Turing Test and Rational Agent Approaches; State Space Representation of Problems, Heuristic Search Techniques, Game Playing, Min-Max Search, Alpha Beta Cutoff Procedures.

Knowledge Representation: Logic, Semantic Networks, Frames, Rules, Scripts, Conceptual Dependency and Ontologies; Expert Systems, Handling Uncertainty in Knowledge.

Planning: Components of a Planning System, Linear and Non Linear Planning; Goal Stack Planning, Hierarchical Planning, STRIPS, Partial Order Planning.

Natural Language Processing: Grammar and Language; Parsing Techniques, Semantic Analysis and Prgamatics.

Multi Agent Systems: Agents and Objects; Agents and Expert Systems; Generic Structure of Multiagent System, Semantic Web, Agent Communication, Knowledge Sharing using Ontologies, Agent Development Tools.

Fuzzy Sets: Notion of Fuzziness, Membership Functions, Fuzzification and Defuzzification; Operations on Fuzzy Sets, Fuzzy Functions and Linguistic Variables; Fuzzy Relations, Fuzzy Rules and Fuzzy Inference; Fuzzy Control System and Fuzzy Rule Based Systems.

Genetic Algorithms (GA): Encoding Strategies, Genetic Operators, Fitness Functions and GA Cycle; Problem Solving using GA.

Artificial Neural Networks (ANN): Supervised, Unsupervised and Reinforcement Learning; Single Perceptron, Multi Layer Perceptron, Self Organizing Maps, Hopfield Network.

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PT. SUNDARLAL SHARMA (OPEN) UNIVERSITY
CHHATTISGARH, BILASPUR

S.No. .....

Academic Session 2025-26

Recent Passport Size Photo duly Self Attested

Application Form for Ph.D. Programme

1. Subject : ..... 2. Specialization: .....
3. Full Name of the Candidate (in capital letter) : .....
4. Father's/Husband's Name : .....
5. Date of Birth : ..... 6.Gender : Male/Female/TG .....
7. Permanent Address : .....
   .....
8. Address for Correspondence : .....
   .....
9. Mobile No. : ..... 10. Landline No. (with STD Code) : .....
11. E-mail ID : .....
12. Whether belonging to SC/ST/OBC/UR/Differently able Categories : .....
13. Details of Fee Payment : Challan No. ..... Amount .....
    Date ..... Name of the Bank .....
14. Educational Qualification (attach attested copies of marks statement and degree/certificate)

Degree	Board/University	Year of passing	Specialization	Percentage Score
H.Sc./10th				
Intermediate/10+2				
Bachelor Degree-				
P.G.-				
M.Phil.				
NET/JRF/C.G.SET				
Any others				

15. Please tick (✓) in appropriate coloum : 1. Admission throuth NET Score - ☐

2. Admission through entrance test - ☐

16. If Qualified NET, Attech NET Score

Total Marks	Obtained Marks	Parcentage Score

17. Present Employment Details :

Designation -

Employment Type Please tick (✓) | Govt. | | Private | |

Name of the Employer :

Address :

City : State : Pin Code No. | | | | | | |

20. Declaration :

a) I hereby declare that the above information is true and complete to the best of my knowledge. I am aware that if any information herein is found to be incorrect or incomplete, my application form will be rejected/admission will be cancelled.

b) If admitted to Pt. Sundarlal Sharma (Open) University Chhattisgarh, Bilaspur, I shall abide by its Rules and Regulations.

c) I have read and understood all the provisions contained in the brochure and hereby agree abide by these provision.

Enclusure : 1. ..... 2. .....

3. ..... 4. .....

5. ..... 6. .....

7. ..... 8. .....

Place : .....

Date : .....

Signature of the Candidate

PT. SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

Ph.D. Entrance Test

Academic Session 2025-26

S.No. .....

ADMIT-CARD

(for office use) Roll No.:.....

Subject : .....

Name & Address of the Candidate : .....

.....

.....

.....

Affix
Self Attested
Passport Size
Photo

Name & Address of the Examination Centre : .....

.....

.....

Date of Examination :

Time of Examination :

Head

PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

S.No. : .....

Application form for Admission in Ph.D. Programme / Registration as a Ph.D. Student

Year - .....

Recent Passport Size Photo with Self Attested

Enrolment No. :

Session:

COMPLETE INFORMATION OF THE APPLICANT

	Subject in which Ph.D. registration is desired	
	Mode of Ph.D.	Part time or Full time
1.	(a) Name of the applicant (in Roman Block Letter) (b) Name of the applicant in Hindi	
2.	Father's /Husband's Name	
3.	Category :(Gen/SC/ST/OBC)	
4.	Date of Birth ☐☐☐☐☐☐☐☐ Age : Gender M ☐ F ☐ Third Gender ☐	
5.	(a) Permanent Adress with Phone/Mobile No. :	
	(b) Address for correspondence with phone No. & E-mail ID :	
6.	Occupation and name of the post (if employed) : (if in service, attach No objection certificate of the employer and experience certificate)	
7.	Detail of Educational Qualifications :	

Name of Examinations	Year	Board/University	Subject	%	Div.
UG-					
PG-					
M.Phil.					
NET/JRF/ C.G.SLET					
Any others					

Note : Attached attested copies of Mark Sheets and Certificates.

8.	Details of previous research work (if any) Signature of the Candidate
9.	Consent of the Guide Signature of the guide

Note : If Consent of the guide has not been taken then, candidate will have to mention the name of three guides in order of preference :

Candidate preference	Name of the Guide and Address	order for Guide S.No.
1.		
2.		
3.		

10.	Recommendation of the DRC for admission in Ph.D. Course : Date of DRC (Signature of DRC Members)
11.	Exemption Status from the Course Work: Exempted/Not Exempted
12.	(i) Allotment of the Supervisor/Co-Supervisor by the RDC (Name of the Supervisor/Co-Supervisor recognized by the RDC of PSSOU) : ..... Address with telephone number & Email ID :..... List of papers published in the last five years. (Enclosed reprint of at least one research paper)
(ii)	Date of Seminar :
(iii)	Results of the Course Work :
(iv)	Title of the Ph.D. Thesis :
(v)	Name of the Research Center where the research work will the carried out:
(vi)	Recommendation of DRC for Ph.D. Registration 1. Part time / Full time mode : 2. ..... (Co-Supervisor) (Signature of the Supervisor) (Chairman DRC)

Certificate by the Chairman, DRC

This is to certify that Mr./Mrs./Ms/ ..... will be allowed to carry out research work in the school of Studies/College/Institute and will be provided with the available research facilities.

Signature with seal

PROFORMA FOR SYNOPSIS

1. Title of the thesis : .....
   .....
2. Introduction (in about 200 words) : .....
   .....
3. A brief review of the work already done : .....
   .....
4. Objectives : .....
   .....
5. Noteworthy contribution in the field of proposed work :
   .....
   .....
6. Proposed methodology : .....
   .....
7. Expected outcome of the proposed work : .....
   .....
8. Bibliography in standard format : .....
   .....
9. List of published papers of the candidate : .....
   .....

Signature of the Supervisor

Signature of the Candidate

Forwarded

Chairman, DRC

SIX MONTHLY PROGRESS REPORT

CONFIDENTIAL

Six monthly Progress Report of the Research work done for the period from ..... to ..... of the research Scholar.

1. Name of the Research Scholar : .....
2. Subject : .....
3. Topic registered for Ph.D. Degree : .....
   .....
   .....
4. Name of the Supervisor : .....
5. Statement on the Research Activity for the date of leave availed by the — Period with dates the candidates has been with the guide Carried Out by the Candidate research work. (Indicate candidate during the above period).

Fees paid vide receipt No ..... Date : .....

Signature of the Candidate

Remarks of Supervisor on the work done by the candidate on the topic :

.....

.....

.....

.....

.....

.....

Signature of the Chairman, DRC

Signature of the Supervisor

DECLARATION BY CANDIDATE

I declare that the thesis entitled .....

..... is

my own work conducted under the supervision of Dr. .....

(Supervisor / Co-supervisor) at ..... (Centre) .....

..... approved by the Research Degree Committee.

I have put in more than 300 days of attendance with the supervisor at the centre.

I further declare that to the best of my knowledge the thesis does not contain any part of any work, which has been submitted for the award of any degree either in this University or in any other University / Deemed University without proper citation.

Signature of the Supervisor

Signature of the Candidate

Signature of the Chairman, DRC

CERTFICATE BY THE SUPERVISOR/CO-SUPERVISOR

This is to certify that the work entitled .... is a piece of original research work done by Shri/Smt/Ku. ..... under my (our) guidance and supervision for the degree of Doctor of Philosophy of .... Pt. Sundarlal Sharma (Open) University Chhattisgarh, Bilaspur. India.

That the candidate has put in an attendance of more than 300 days with me.

To the best of my knowledge and belief :

A. (i) There is no major plagiarism.

(ii) The work has not been submitted for the award of any other degree of this institution or to any other intitutiona

B. This Thesis of :

(i) Embodies the work of the candidate himself / herself.

(ii) Has duly been completed.

(iii) Fulfills the requirements of the Ordinance relating to the Ph.D. degree of the University :

and

(iv) Is up to the standard both in respect of contents and language for being referred to the examiner.

Signature of the Co-supervisor(s) Signature of the Supervisor

Forwarded

Signature of the Chairman, DRC

COPY RIGHT TRANSFER APPROVAL FORM

Name of the candidate :.....

Department :.....

Degree :.....

University :.....

Supervisor :.....

Thesis Title :.....

.....

Year of Award

:.....

Agreement

1. I hereby declare that, if appropriate. I have obtained and attached hereto a written permission / statement form the owner(s) of each third party copyrighted matter to be included in my thesis / dissertation, allowing distribution as specified below.

2. I hereby grant to the university and its agents the non-exclusive license to archive and make accessible, under the condition specified below, my thesis / dissertation, in whole of in part in all forms of media, now or hereafter know. I retain all other ownership rights to the copyright of the thesis / dissertation. I and my Supervisor also retain the right or use in future work (such as articles or books) all or part of this thesis, dissertation, or project report.

Condition :

1. Release the entire work for access worldwide.

Signature of the Candidate

Signature and seal of the Supervisor

Place :.....

Date :.....

DEPARTMENT OF .....

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S.No. : ..... /...../ Year. Bilaspur, Dated .....

CERTFICATE

This is to certify that as per requirement of Ph.D. ordinance-1 (Part-B) and U.G.C. Ph.D. Regulation ....(Year -to -).... , ...(Name with Enrolment No.) ..... has presented her/his Ph.D. Submission Seminar on .....(date)..... at .....(time).....AM in the Seminar Hall of .....(Dep. or Place)..... before the members of Departmental Research Committee, Research Scholars and Students. He/She has published research paper in Standard Referred Journals according to Ph.D. Ordinace-1 (Part B) and Ph.D. ragulation .....(Year).....

He/She performance in the seminar was found satisfactory. He/She is permitted to submit he/she Ph.D. thesis.

CHAIRMAN
Departmental Research Committee

DEPARTMENT OF .....

PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

S.No. : ..... /...../ Year. Bilaspur, Dated .....

CERTFICATE

This is to certify that as per requirement of Ph.D. ordinance-1 (Part-B) and U.G.C. Ph.D. Regulation .....(Year .....to.....)....., ...(Name) ..... has presented her/his D.R.C. Seminar on dated .....(date)..... at .....(time)..... AM in the Seminar Hall of ..... before the member of Departmental Research Committee, Research scholars and Students.

Her/His performance in the seminar was found satisfactory.

CHAIRMAN
Departmental Research Committee

DEPARTMENT OF .....

PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

S.No. : ..... /...../ Year. Bilaspur, Dated .....

CERTFICATE

This is to certify that as per requirement of Ph.D. ordinance - 1 (Part-B) and UGC Ph.D. Regulation .....(Year .....to.....)....., ...(Name) ..... has presented her/his Pre R.D.C. Seminar on dated .....(date)..... at .....(time).... AM in the Seminar Hall of ..... before the member of Departmental Research Committee, Research scholars and Students.

Her/His performance in the seminar was found satisfactory.

CHAIRMAN
Departmental Research Committee

Pt. SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH

www.pssou.ac.in, Email –registar@pssou.ac.in

Form For Submission of Ph.D Thesis

(To be Filled by the Ph.D Scholar)

To,

The Controller of Examination
Pt. Sundarlal Sharma (Open) University Chhattisgarh
Bilaspur(C.G)

Sir,

I request you to kindly permit me to submit my thesis at the examination section for the degree of Doctor of Philosophy in subject……

For this purpose, I enclose herewith the following:

i. Five hard bound copies of thesis.
ii. 2 soft Copy of thesis and abstract (in PDF non-editable format)
iii. Copies of two research Papers published in referred journals
iv. Copy of Anti-Plagiarism certificate /report
v. No Dues Certificate in the prescribed Format
vi. Copy of Academic verification report by the Supervisor (submitted to academic section)

1. Name of the Candidate (In English) : ……
   (Name in Hindi) : ……
2. University Enrolment No : ……
3. Mother's Name : ……
4. Father's Name : ……
5. Address for communication : ……
6. Contact No & Email : ……
7. Date of Registration in the Ph.D. Programme : ……
8. Name of the Supervisor/Co-Supervisor : ……..
9. Title of the Thesis (In block letter) : ……

Recommended and forwarded by the
Supervisor & Co-Supervisor (if any)

(Signature of Candidate with date)

Forwarded by the HoD/Chairman, DRC (Signature with seal)

DEPARTMENT OF .....

PANDIT SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH, BILASPUR

S.No. : ..... /...../ Year. Bilaspur, Dated .....

1. Name of student : ….....……

2. Class/Programme : ….....…….....……..

3. Date of issuing No Dues Certificate : ….....……

S.No.	Section	Dues/No Dues	Signature
1.	Departmental Lab		
	Departmental Library		
	Departmental office- Fee etc		
2.	University Library		
3.	Finance Department		
4.	Academic Department		
5.	Other		

Head of Department

Pt. SUNDARLAL SHARMA (OPEN) UNIVERSITY CHHATTISGARH

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CHECKLIST FOR SUBMISSION OF Ph.D. THESIS

(To be done by Academic Section)

Name of Scholar …….....…….. **Registration No.** ……..…….. **Subject** ..……

S. No.	Required details/documents for submission of thesis	Certify Yes or No
1	Thesis Submission Form	
2	Five hard bound copies of Thesis	
3	Five hard bound copies of Summary	
4	2 Soft copes of Thesis & Summary,	
5	Anti Plagiarism Report	
6	Attendance Sheet	
7	Copies of 2 Research Papers published during research period	
8	Copies of certificates	
9	No Dues Certificate in the prescribed formal	
10	Copy of Registration Letter	
11	Copy of All Fee PaidMention period with date	
12	Minutes of RDC meeting/letter wherein the title of the Ph.D work was approved	
13	Minutes of RDC meeting/letter wherein the name of the Supervisor / Co-supervisor (if any) were approved	
14	Synopsis approved by the DRC	
15	Copy of all six monthly progress report submitted to Academic Section	
16	Ethical Certificate	
17	Hard Copy of Per-Submission PPT	
18	Copy of Pre-Ph.D Seminar Completion certificate	
19	Copy of Mark-sheet (10,12,UG,PG)	
20	Ph.D course,work completion certificate	
21	Copy of TC & Migration	
22	Undertaking	
23	2 current color photograph of scholar	
24	Alumni membership Slip/Receipt/challan	

Checked &Forwarded by-

1 ..... 2 .....

....

....

(Write full name, designation & department along with signature)

Date - .....

Verified &Forwarded to Examination Section for further processing

Date - ..... Head, Academic Section

To,
The Controller of Examinations
PSSOU Chhattisgarh, Bilaspur

कुलगीत

आलोकित पथ के अनुगामी, अमृत-कलश तुम्हारा है ।
'विश्व-पटल' पर ज्ञान की गंगा, बहे ये लक्ष्य हमारा है ।।
पण्डित सुन्दरलाल 'यशस्वी', है - आदर्श हमारे,
स्वतंत्रता, समता भातृत्व का, हो प्रकाश भिनसारे ।
'स्वाध्याय परमं तपः' ध्येय है, जीवन का अभिमंत्रण,
'सत्य से मत डिगो', सदाचार प्रेरित अपना जीवन ।
ये ही सुभाशित, इसी मंत्र से, सुरभित उपवन अपना,
मातृभूमि और सृष्टि की सेवा, का सुंदर-सा सपना ।।
आलोकित पथ के .....
ज्योतिष, योग का साधन उन्नत, पर्यावरण विमल हो,
मनुष्यता विकसित हो सब में, जीवन सजल-सफल हो ।
'ज्ञान और विज्ञान' सत्य-शिव-सुंदर का आरोहण,
प्रेम, अहिंसा विद्या सरसे, विकसित-जीवन-दर्शन ।
'वनौषधि' और 'आयुर्वेद' का 'नूतन-योग' प्रबल हो,
ज्ञान कर्म की नयी दृष्टि हो, गति की राह विमल हो ।
आलोकित पथ के .....
'नवीन युग' का विश्व-विद्यालय, मूलाधार रखेगा,
'जन-गन-मन' में जन-हित के, अवसर, चाव भरेगा ।
'गरल', 'सुधा' में परिणत होवे, यह विनती है नियन्ता,
कलुश-निवारण, सुयश-संस्कृति, रचें नये अभियंता ।।
ऊर्जा, उष्मा और अस्मिता, युत अभिनवता लाएँ,
आलोकित पथ के .....