



छत्तीसगढ़ युवा विकास संगठन शिक्षण समिति द्वारा संचालित

(उच्च शिक्षा विभाग सेमान्यता प्राप्त एंव पं. रविशंकर शुक्ल विश्वविद्यालय से स्थायी संबध)

विप्र कला वाणिज्य एवं शारीरिक शिक्षा महाविद्यालय

जी.ई.रोड, रायपुर (छ.ग.)

E-Mail [vipracollege1996@gmail.com](mailto:vipracollege1996@gmail.com)

Visit on- [www.vipracollege.org](http://www.vipracollege.org)

पंजीयनकं.-17951

Phone No. 9406082000

## 2.6: Student Performance and Learning Outcomes

**2.6.1: Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated**

**Principal**

**Dr. Meghesh Tiwari**

**Vipra Kala, Vanijya Avam**

**Sharirik Shiksha Mahavidyalaya**

**Raipur, Chhattisgarh**

**प्राचार्य**

**विप्र कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)**

## Semester I

### Theory courses

## CC-103 HEALTH EDUCATION AND ENVIRONMENTAL STUDIES

### Unit – I Health Education

- Concept, Dimensions, Spectrum and Determinants of Health
- Definition of Health, Health Education, Health Instruction, Health Supervision
- Aim, objective and Principles of Health Education
- Health Service and guidance instruction in personal hygiene

### Unit – II Health Problems in India

- Communicable and Non Communicable Diseases
- Obesity, Malnutrition, Adulteration in food, Environmental sanitation, Explosive Population,
- Personal and Environmental Hygiene for schools
- Objective of school health service, Role of health education in schools
- Health Services – Care of skin, Nails, Eye health service, Nutritional service, Health appraisal, Health record, Healthful school environment, first- aid and emergency care etc.

### Unit – III Environmental Science

- Definition, Scope, Need and Importance of environmental studies.
- Concept of environmental education, Historical background of environmental education,
- Celebration of various days in relation with environment.
- Plastic recycling & probation of plastic bag / cover.
- Role of school in environmental conservation and sustainable development.

### Unit – IV Natural Resources and related environmental issues:

- Water resources, food resources and Land resources
- Definition, effects and control measures of:
- Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Thermal Pollution
- Management of environment and Govt. policies , Role of pollution control board.

### References:

- Agrawal, K.C. (2001). *Environmental biology*. Bikaner: Nidhi publishers Ltd.
- Frank, H. & Walter, H., (1976). *Turners school health education*. Saint Louis: The C.V. Mosby Company.
- Nemir, A. (n.d.). *The school health education*. New York: Harber and Brothers.
- Odum, E.P. (1971). *Fundamental of ecology*. U.S.A.: W.B. Saunders Co.

प्राचार्य

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**B. P. Ed. – Outline of Syllabus****Semester – I****Theory Courses****CC-101 HISTORY, PRINCIPLES AND FOUNDATION OF PHYSICAL EDUCATION****Unit – 1: Introduction**

- Meaning, Definition and Scope of Physical Education
- Aims and Objective of Physical Education
- Importance of Physical Education in present era.
- Misconceptions about Physical Education.
- Relationship of Physical Education with General Education.
- Physical Education as an Art and Science.

**Unit- 2 – Historical Development of Physical Education in India**

- Indus Valley Civilization Period. (3250 BC – 2500 BC)
- Vedic Period (2500 BC – 600 BC)
- Early Hindu Period (600 BC – 320 AD) and Later Hindu Period (320 AD – 1000 AD)
- Medieval Period (1000 AD – 1757 AD)
- British Period (Before 1947)
- Physical Education in India (After 1947)
- Contribution of Akhadas and Vyayamshals
- Y.M.C.A. and its contributions.

**Unit- 3- Foundation of Physical Education**

- Philosophical foundation:
- Idealism, Pragmatism, Naturalism, Realism, Humanism, Existentialism and Indian Philosophy and Culture.
- Fitness and wellness movement in the contemporary perspectives
- Sports for all and its role in the maintenance and promotion of fitness.

**Unit-4- Principles of Physical Education**

- Biological
  - Growth and development
  - Age and gender characteristics
  - Body Types
  - Anthropometric differences
- Psychological
  - Learning types, learning curve
  - Laws and principles of learning
  - Attitude, interest, cognition, emotions and sentiments

## Semester I

## Theory Courses

## CC-102 ANATOMY AND PHYSIOLOGY

## UNIT-I

- Brief Introduction of Anatomy and physiology in the field of Physical Education.
- Introduction of Cell and Tissue.
- The arrangement of the skeleton – Function - of the skeleton – Ribs and Vertebral column and the extremities – joints of the body and their types
- Gender differences in the skeleton.
- Types of muscles.

## UNIT-II

- **Blood and circulatory system:** Constituents of blood and their function –Blood groups and blood transfusion, clotting of blood, the structure of the heart-properties of the heart muscle, circulation of blood, cardiac cycle, blood pressure, Lymph and Lymphatic circulation. Cardiac output.
- **The Respiratory system:** The Respiratory passage – the lungs and their structure and exchange of gases in the lungs, mechanism of respiration (internal and external respiration) lung capacity, tidal volume.
- **The Digestive system:** structure and functions of the digestive system, Digestive organs, Metabolism,
- **The Excretory system:** Structure and functions of the kidneys and the skin.
- **The Endocrine glands:** Functions of glands pituitary, Thyroid, Parathyroid. Adrenal, Pancreatic and the sex glands.
- **Nervous systems:** Function of the Autonomic nervous system and Central nervous system. Reflex Action,
- **Sense organs:** A brief account of the structure and functions of the Eye and Ear.

## UNIT-III

- Definition of physiology and its importance in the field of physical education and sports.
- Structure, Composition, Properties and functions of skeletal muscles.
- Nerve control of muscular activity:
  - Neuromuscular junction
  - Transmission of nerve impulse across it.
- Fuel for muscular activity
- Role of oxygen- physical training, oxygen debt, second wind, vital capacity.

## UNIT-IV

- Effect of exercise and training on cardiovascular system.
- Effect of exercise and training on respiratory system.
- Effect of exercise and training on muscular system
- Physiological concept of physical fitness, warming up, conditioning and fatigue.
- Basic concept of balanced diet – Diet before, during and after competition.




प्रो. व. क. वाणिक्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी. ई. रोड रायपुर (छ. ४)

**SCHEME OF EXAMINATION**  
**SEMESTER - I**

Paper	Subject	Internal	External	Total Marks
<b>THEORY (400)</b>				
CC-101	History, Principles and foundation of Physical Education	30	70	100
CC-102	Anatomy and Physiology	30	70	100
CC-103	Health Education and Environmental Studies	30	70	100
EC-101/102	Olympic Movement/Officiating and Coaching (Elective)	30	70	100
<b>PRACTICAL (400)</b>				
PC-101	Track and Field (Running Events)	30	70	100
PC-102	Swimming/Gymnastics/Shooting	30	70	100
PC-103	Indigenous Sports: Kabaddi/ Malkhambh/ lezim / March past (Any of one out of these)	30	70	100
PC-104	Mass Demonstration Activities: Kho-Kho / dumbbells / tipri / wands / hoop /umbrella (Any one out of these)	30	70	100
<b>Total</b>		<b>240</b>	<b>560</b>	<b>800</b>

**SEMESTER -II**

Paper	Subject	Internal	External	Total Marks
<b>THEORY (400)</b>				
CC-201	Yoga Education	30	70	100
CC-202	Educational Technology and Methods of Teaching in Physical Education	30	70	100
CC-203	Organization and Administration	30	70	100
EC-201/202	Contemporary issues in physical education, fitness and wellness/ Sports Nutrition and Weight Management (Elective)	30	70	100
<b>PRACTICAL (300)</b>				
PC-201	Track and Field (Jumping Events)	30	70	100
PC-202	Yoga/Aerobics / Swimming / Gymnastics (Any of the two out of these)	30	70	100
PC-203	Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis (Any of the two out of these)	30	70	100
<b>TEACHING PRACTICE (100)</b>				
TP-201	Teaching Practice (Classroom and outdoor)	30	70	100
<b>Total</b>		<b>240</b>	<b>560</b>	<b>800</b>

  
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**SEMESTER -III**

Paper	Subject	Internal	External	Total Marks
<b>THEORY (400)</b>				
CC-301	Sports Training	30	70	100
CC-302	Computer Applications in Physical Education	30	70	100
CC-303	Sports Psychology and Sociology	30	70	100
EC-301/302	Sports Medicine, Physiotherapy and Rehabilitation/Curriculum Design (Elective)	30	70	100
<b>PRACTICAL (300)</b>				
PC-301	Track and Field (Throwing Events)	30	70	100
PC-302	Combative Sports : Martial Art, Karate, Judo, Fencing, Boxing, Taekwondo, Wrestling (Any two out of these)	30	70	100
PC-303	Team Games: Baseball, Cricket, Football, Hockey, Softball, Volleyball, Handball, Basketball, Netball (Any two of these)	30	70	100
<b>TEACHING PRACTICE (100)</b>				
TP-301	Teaching Practice (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports)	30	70	100
<b>Total</b>		<b>240</b>	<b>560</b>	<b>800</b>

**SEMESTER -IV**

Paper	Subject	Internal	External	Total Marks
<b>THEORY (400)</b>				
CC-401	Measurement and Evaluation in Physical Education	30	70	100
CC-402	Kinesiology and Biomechanics	30	70	100
CC-403	Research and Statistics in Physical Education	30	70	100
EC-401/402	Theory of sports and games(Specifically sports and games specialization)/Sports Management (Elective)	30	70	100
<b>PRACTICAL (200)</b>				
PC-401	Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
PC-402	Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
<b>TEACHING PRACTICE (200)</b>				
TP-401	Sports Specialization: Coaching lessons Plans Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
TP-402	Game specialization Coaching lessons: Kabaddi/ Kho-Kho/ Baseball/ Cricket/Football/Hockey /Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
<b>Total</b>		<b>240</b>	<b>560</b>	<b>800</b>



विद्यया कला वाणिज्य एव शारिरीक शिक्षा  
महविद्यालय, जी.ई. रोड रायपुर (छ.ब.)


**PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR (C.G.)**
**B.Ed. SYLLABUS 2019-21**

Paper No	PAPER NAME	EXTERNAL	INTERNAL THEORY/PRACTICAL
<b>SEMESTER I</b>			
<b>THEORY</b>			
Paper 1	Philosophical Perspectives of Education	80	20
Paper 2	Nai Talim: An Experiential Learning	80	20
Paper 3	Pedagogy Part I	80	20
<b>PRACTICUM</b>			
	Preparation of Teaching Aids 01. Minimum 6 charts on school content 02. Minimum 5 sets of Transparency to Transact school content 03. Minimum 2 Power Point Presentations to transact school content 04. Minimum one static model to aid school teaching content		50
	Community Activities 1. Village Survey 2. Awareness Rally/Program		50
<b>SEMESTER II</b>			
<b>THEORY</b>			
Paper 4	Sociological Perspectives of Education	80	20
Paper 5	Learner and Learning Process	80	20
Paper 6	Elective I	80	20
Paper 7	Curriculum and Knowledge	80	20
<b>PRACTICUM</b>			
	Micro Teaching on Skills of Teaching Internship (Two weeks) School Experience a) Observation of School Documents b) Mentor's Report		50
<b>SEMESTER III</b>			
<b>THEORY</b>			
Paper 8	Pedagogy Part II	80	20
Paper 9	Nai Talim: Skill Based Learning	80	20
<b>PRACTICUM</b>			
	Internship (Eighteen Weeks)		100
	Reflective Diary & Supervisor's Assessment		50
<b>SEMESTER IV</b>			
<b>THEORY</b>			
Paper 10	Gender, School and Society	80	20
Paper 11	Assessment in Learning	80	20
Paper 12	Elective II	80	20
<b>PRACTICUM</b>			
	Training in Yoga and Sports & Games		50
	Psycho-Metric Assessment	50	
	Viva Voce on Teaching Experience	100	
<b>TOTAL</b>		1110	240 + 350 = 590
<b>GRAND TOTAL</b>		1700	

*R. Zivan* *Comp*

*Signature*

प्राचार्य

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महाविद्यालय, जी. ई. रोड रायपुर (छ.उ.)

PAPER-III

## PEDAGOGY TEACHING OF HINDI

(हिंदी भाषा शिक्षण)

MARKS 80

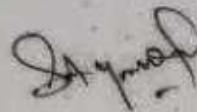
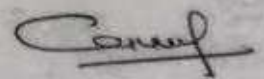
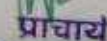
## एक परिचय

राष्ट्रीय पाठ्यचर्या की रूपरेखा 2005 अध्यापकों की भूमिका में एक बड़ी तब्दीली की मांग करती है। पाठ्यचर्या में अब तक अध्यापकों को ही ज्ञान के स्रोत के रूप में केन्द्रीय स्थान मिलता रहा है, वह सीखने-सिखाने की समूची प्रक्रिया के संरक्षक और प्रबंधक के रूप में मुख्य भूमिका निभाने का काम करते आए हैं। पर 2005 की स्कूली पाठ्यचर्या उनसे मांग करती है कि वे सूचनाओं के वितरक और ज्ञान के स्रोत बन कर न रहें बल्कि विद्यार्थियों द्वारा ज्ञान हासिल करने की प्रक्रिया में स्वयं को सहायक मानें। वे विद्यार्थियों को शिक्षा-प्रक्रिया में सक्रिय भागीदार के रूप में देखें और उनके सवालों को सुनने और समझने की जरूरतों को समझें। इन सब तब्दीलियों को उनके व्यवहार का हिस्सा बनाने के लिए जरूरी है कि अध्यापक शिक्षा के पाठ्यक्रम में बदलाव आए। स्कूली व्यवस्था में बदलाव की पहल तभी संभव है जब इस व्यवस्था से जुड़े लोगों के दृष्टिकोण में परिवर्तन आए और अध्यापक की भूमिका इस व्यवस्था में सबसे महत्वपूर्ण है। इस दृष्टि से भाषा-शिक्षण का पाठ्यक्रम और भी महत्वपूर्ण हो जाता है क्योंकि भाषा पूरी शिक्षा की जमीन तैयार करती है जहां सिर्फ भाषा पढ़ना सीखना नहीं बल्कि भाषा के जरिये और विषयों में भी निपुणता हासिल करने की बात आती है। इसके साथ ही भाषा से जुड़े नए मुद्दे जैसे बहुभाषिक कक्षा, समझ का माध्यम, शांति की शिक्षा में भाषा की भूमिका आदि की समझ अध्यापकों के लिए जरूरी है जो अध्यापक शिक्षा में व्यापक बदलाव की मांग करते हैं। यह पाठ्यक्रम भाषा के नए सरोकारों और सीखने-सिखाने की नई दृष्टियों को म्यान में रखकर तैयार किया गया है। हमें आशा है कि प्रशिक्षु अध्यापकों को इससे भाषा-शिक्षण की तैयारी में सहायता मिलेगी।

## हिंदी भाषा-शिक्षण का पाठ्यक्रम

## पाठ्यक्रम के विशेष उद्देश्य

- भाषा के अलग-अलग भूमिकाओं को जानना
- भाषा सीखने की सृजनात्मक प्रवृत्ति को जानना
- भाषा के स्वरूप और व्यवस्था को समझना
- स्कूल की भाषा, बच्चों की भाषा और समझ के बीच के संबंध को जानना
- भाषा के संदर्भ में पढ़ने के अधिकार, शांति और पर्यावरण के प्रति सचेत होना
- भाषा सीखने के तरीके और प्रक्रिया को जानना और समझना
- पाठ्यचर्या, पाठ्यक्रम और पाठ्यपुस्तक का विश्लेषण कर कक्षा विशेष और बच्चों की समझ के अनुसार ढालना
- भाषा और साहित्य सम्बंध को जानना

प्राचार्य  
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# Curriculum Framework

B.ED. TWO YEAR COURSE 2019-2021.

Curriculum Organization based on NCTE framework			
Semester I	Semester II	Semester III	Semester IV
THEORY	THEORY	THEORY	THEORY
(C) Philosophical perspectives of Education (4 credits)	(C) Sociological perspectives of Education (4 credits)	(S) Pedagogy II (4 credits)	(C S) Gender, School & Society (4 credits)
(C) Nai Talim: An Experiential Learning (4 credits)	(C) Learner & Learning Process (4 credits)	(T E) Nai Talim: Skill Based Learning (2 credits)	(T E) Assessment in Learning (4 credits)
	(E) Elective I (4 credits)		(E) Elective II (4 credits)
(S) Pedagogy I (4 credits)	(T E) Curriculum & Knowledge (2 credits)		
PRACTICUM	PRACTICUM	PRACTICUM	PRACTICUM
Preparation of Teaching Aids (2 credits) Community Activities (2 credits)	Internship (2 Weeks) (2 credits) School Experience I (2 credits) a) Observation report of school documents b) Mentor's Report. c) Micro Teaching	Internship (18 Weeks) (12 credits) Reflective Diary (2 credits) Supervisor's Assessment (2 credits)	Training in Yoga and Sports (2 Credits) Psycho-Metric Assessment (2 credits) Teaching Exam & Viva Voco on Teaching
12+4 = 16 Credits	14+4 = 18 Credits	6+16 = 22 Credits	12+4 = 18 Credits

C: Core Paper, E: Elective Paper, TE: Teacher Enrichment, CS: Contemporary Study

## PSYCHOLOGY PRACTICALS

At least 5 practical's have to be conducted. Out of which 2 is compulsory.

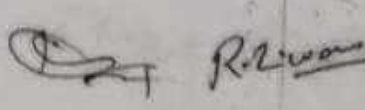
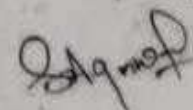
01. Aptitude Test in any school subject (Compulsory)
02. Case Study to measure the problematic behavior of the child (Compulsory)
03. Achievement Test in any school subject with findings difficulty level only
04. Value Test
05. Reasoning Ability Test
06. Testing Individual differences/ Intelligence Test
07. Transfer of Learning
08. Span Of Attention


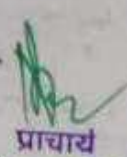
Note: "Subject" is compulsory to be present with the trainee during the annual Psychometric Practical Examination.

## TEACHING PRACTICALS

During Annual Teaching Viva voce Practical Exam it is compulsory to produce all teaching related work from Semester I to III.  
18 Lesson plan (9 each from Middle and High School) including 08 lesson plan is compulsory from the Nai Talim formate). (10 Lesson Plan+8 Nai Talim=18)

Note: Formate has been given at the end of the syllabus.

प्राचार्य

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## B.ED. SYLLABUS (SEMESTER I)

### PAPER - I

#### PHILOSOPHICAL PERSPECTIVE OF EDUCATION

MARKS 80

#### Aims of the Course:

To enable the student- teacher to understand

1. The relationship between Philosophy and Education and implications of philosophy on education.
2. The importance and role of education in the progress of Indian society.
3. The contribution of great educators to the field of education.
4. The need to study education in a sociological perspective. The process of social change and socialization to promote the development of a sense of commitment to the teaching profession and social welfare.
5. Their role in creation of a new social order in the country and learn about various social welfare opportunities in which they can participate helpfully.
6. The means and measures towards the promotion of National integration and protection of human rights.

#### Course Outline:

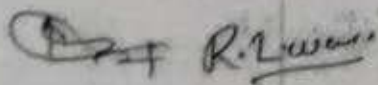
#### UNIT-I: AIMS OF EDUCATION

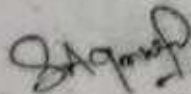
- Education Nature and Meaning its objectives/ aims in relation to the time and place.
- Educational aims in the Western context: with specific reference to Russell, Dewey. Their impact on educational thought and class room practices, in term of progressive trends in education.
- Educational aims in the Indian context with specific reference to Indian thinkers such as Gandhi, Tagore.
- Philosophy and Education: Significance of studying philosophy in understanding educational practices and problem.

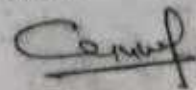
#### UNIT - II: PHILOSOPHICAL SYSTEMS

Major Philosophical systems - their salient features and their impact on education.

- Realism with reference to Aristotle and Jainism.
- Naturalism with reference to the view of Rousseau and Rabindra Nath Tagore.
- Idealism with reference to Plato, Socrates and Advaita Philosophy.
- Pragmatism with reference to Dewey "instrumentalism & Experimentalism"

 R. L. Sharma





  
प्राचार्य

विश्व कला विश्वविद्यालय एवं शारदिक शिक्षण  
महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

**Aims of the Course:****To enable the student-teacher to understand**

1. Understand the concept of local community engagement in teacher education
2. Understand the context of the child from various backgrounds & occupations.
3. Know the school education programs and policies which have local community engagement aspects.
4. Learn the process of connecting the text with the Child/learner within the local Context
5. Distinguish traditional from constructivist approaches of local community engagement
6. Train in usage of dialogic method of community engagement
7. Train in usage of organic intellectual approach for local community engagement
8. Experiential learning of best practices in community engagement
9. Participate effectively in the local community service
10. Develop insights and field realities on indignity and indigenous models.
11. Understand and practice models of Tagore, Gandhi, Shyama Prasad Mukherji for rural reconstruction
12. Explore models of art, craft for entrepreneurship for self-reliance.
13. Understand various real, community stories of children, families.
14. Discover latent talents in the traditional occupations to promote them
15. Devise contextually suitable engagement activities.
16. Promote local occupations with literacy, technology integration and research to develop entrepreneurs

**Unit I: Nai Talim- An Introduction**

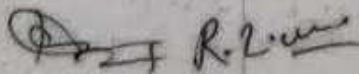
- Introduction of Nai Talim and its significance in Indian context, historical perspectives.
- Concept, Aims, Objectives and Scope of Nai-Talim
- Main Principles of Basic Education
- Nai Talim in NCF-2005, NCFTE-2010, RTE-2009 and its Educational Implication

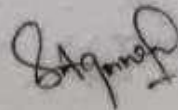
**Unit II: Social and Philosophical Perspectives of Nai Talim**

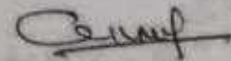
- Gandhian thoughts and Philosophy
- Gandhian Philosophy and Aims of Education
- Models of Education, Approach to Learning- Constructivism, Paulo Freire Critical Pedagogy and Dialog Method
- Course outline at Primary, Middle and Secondary Level

**Unit III: Work Based Learning and Community Involvement**

- Principle of Community Involvement
- Nai Talim and Craft Education
- Nai Talim and Moral Education
- Agencies of School & Society
- Self Help Groups

 R. L. Sharma



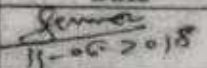
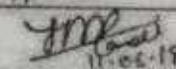
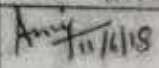
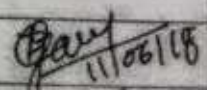





विषय/संकाय/प्रश्न-पत्र का नाम- B.Sc. Information Technology

क्रमांक	कक्षा का नाम	वर्तमान पाठ्यक्रम	नवीन संशोधित पाठ्यक्रम	नवीन संशोधित पाठ्यक्रम का औचित्य
1.	1 <sup>st</sup> Year	FUNDAMENTAL OF I.T. COMPUTERS & PC SOFTWARE	FUNDAMENTAL OF IT, COMPUTER AND PC SOFTWARE	Updation Required
2.	1 <sup>st</sup> Year	PROGRAMMING CONCEPT USING C LANGUAGE	PROGRAMMING IN 'C' LANGUAGE	Updation Required
3.	1 <sup>st</sup> Year	PRACTICAL	PRACTICAL	Updation Required
4.	2 <sup>nd</sup> Year	DIGITAL CIRCUITS & COMPUTER H/W	DIGITAL CIRCUITS & COMPUTER H/W	No Change
5.	2 <sup>nd</sup> Year	PAPER-II (PAPER CODE - 0875)	PAPER-II (PAPER CODE - 0875)	No Change
6.	2 <sup>nd</sup> Year	PRACTICAL	PRACTICAL	No Change
7.	3 <sup>rd</sup> Year	AMPLIFIERS AND OSCILLATORS	AMPLIFIERS AND OSCILLATORS	No Change
8.	3 <sup>rd</sup> Year	FUNDAMENTAL DATA STRUCTURE	FUNDAMENTAL DATA STRUCTURE	No Change
9.	3 <sup>rd</sup> Year	PRACTICAL	PRACTICAL	No Change

केन्द्रीय अध्ययन मंडल के अध्यक्ष एवं सदस्यों का हस्ताक्षर

S.N.	Name	Designation/University/College	Signature with Date
1.	Dr. Sanjay Kumar	Head, S.o.S. in Computer Science & I.T., Pt. R.S. University, Raipur	 11-06-2018
2.	Mr. Hari Shankar Prasad Tonde	Head, Dept. of Computer Science, Sarguja University, Ambikapur	 11.06.18
3.	Dr. Anuj Kumar Dwivedi	Head, Dept. of Computer Science, Govt. V.B.S.D. Girls College, Jashpur Nagar, Jashpur	 11/6/18
4.	Mr. L.K. Gavel	Head, Dept. of Computer Science, Govt. G.S.G. P.G. College Balod	 11/06/18
5.	Dr. J. Durga Prasad Rao	Head, Dept. of Computer Science, Shri Sankracharya Mahavidyalaya, Bhilai	 11/6/18

  
 प्राचार्य

 विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
 महाविद्यालय, जी.ई. रोड रायपुर (छ.प्र.)

PAPER - II  
(Paper Code-0910)

Aim : To introduce DBMS and RDBMS using Back-end tool and Front-end tool.

Object of the Course :

1. To introduce Data Base Management System concepts.
2. To introduce the Relational Database Management System and Relational Database Design.
3. To introduce the RDBMS software and utility of query language.
4. To introduce basic concept of GUI Programming and database connectivity using Visual Basic.

UNIT-1 : CONCEPT OF D.B.M.S. AND DATA MODELS

- a) Introduction to DBMS :- Purpose of Data base systems, views of data, Data Modeling Database Languages, Transaction management, Storage Management, Database Administrator and User, Database System Structure.
- b) E-R Model : Basic concepts, Constraints, Keys, Mapping Constraint, E-R Diagram, Weak and Strong Entity sets, E-R Database Schema, Reduction of an E-R Schema to Table.

UNIT-2 : RELATIONAL DATABASE MANAGEMENT SYSTEM

- a) Relational Model : Structure of Relational Database, Relational Algebra, Domain Relational Calculus, Extended Relational- Algebra Operation, Modification of database, Views.
- b) Relational Database Design : Pitfalls in Relational Database Design, Decomposition Functional Dependencies, Normalization : 1NF, 2NF, 3NF, 4NF, 5NF.

UNIT-3 : INTRODUCTION TO RDBMS SOFTWARE - ORACLE

- a) Introduction : Introduction to personal and Enterprise Oracle, Data Types, Commercial Query Language, SQL, SQL\*PLUS.
- b) DDL and DML : Creating Table, Specifying Integrity Constraint, Modifying Existing Table, Dropping Table, Inserting, Deleting and Updating Rows in a Table, Where Clause, Operators, ORDER BY, GROUP Function, SQL Function, JOIN, Set Operation, SQL Sub Queries, Views : What is Views, Create, Drop and Retrieving data from views.
- c) Security : Management of Roles, Changing password, Granting Roles & Privileges, with drawing privileges.
- d) PL/SQL : Block Structure in PL/SQL, Variable and constants, Running PL/SQL in the SQL\*PLUS, Data base Access with PL/SQL, Exception Handling, Record Data type in PL/SQL, Triggers in PL/SQL.

UNIT-4 : G.U.I. PROGRAMMING

- a) Introduction to Visual Basic : Event Driven Programming, IDE, Introduction to Object, Controlling Objects, Models and Events, Working with Forms, MDI Form Working with standard Controls.
- b) Overview of Variables, Declaring, Scope, Arrays, User defined data types, Constants, Working with procedures : Function, Subroutine, and Property.

82-III

*Dr. Suresh Kumar*  
11-06-18  
(Dr. Suresh Kumar)

*Dr. C.K. Goyal*  
11/06/18  
(C.K. Goyal)

*Dr. A.K. Desai*  
11/6/18  
(Dr. A.K. Desai)

*Dr. H.S. Patel*  
11-06-18  
Hans Shantaram Patel

(5)

*Dr. P.K. Singh*  
11/6/18  
(P.K. Singh)

प्राचार्य

विद्यया कला वाणिज्य एव शक्तिशिक्षा  
महाविद्यालय, जी.ई. रोड रावपुर (उ.प्र.)

COMPUTER SCIENCE

PAPER - I

(Paper Code-0909)

COMPUTER HARDWARE PART-C

AIM : The emphasis is on the design concepts & organizational details of the common PC, leaving the complicated Electronics of the system to the computer engineers.

Objective of the Course :

1. To introduce the overall organization of the microcomputers and operating systems.
2. To introduce the interaction of common devices used with computers with operating software, excluding the Assembly languages, with special reference to DOS/WINDOWS.
3. To introduce the working of hardware components, Micro-Processor and various chips used in micro-computers by operating system, without the use of electronic circuitry.
4. To introduce the use of operating system architecture with IBM-PC & clones, excluding Assembly language, with forms an important part of hardware.

N.B. : Since the computer organization study is very vast & complicated, so the study is restricted only to the description and understanding part, hence the paper-setter is requested to keep this important factor in mind.

UNIT-1 : ORGANISATION OF Micro-Processor & MICRO-COMPUTER :-

1. Introduction & organization of Micro-Computer :
  - a) Basic Components of Micro-computer : Basic Block; Program memory; Data memory; I/O Ports; Clock generator; Integration of functional blocks.
  - b) Interconnecting Components in a Micro-computer : Necessary functional block; Bussed architecture for microcomputer; memory addressing; Addressing I/O ports; comparison of I/O mapped and memory mapped I/O.
  - c) Input Output Techniques : Non-CPU devices, Program & Interrupt controlled I/O; Hardware controlled I/O or DMA.
2. An Introduction to the various as :
  - a) General understanding of different  $\mu P$  or CPU : Intel 8088, 286, 386, 486, 586 Pentium, P54C, MMX P55C; Motorola 6800 & 68100 series; CRUX & AMD CPUs.
  - b) The Registers of CPU : (Give Example of P-8088) Register organization of 8088, Scratch pad segment, pointer, Index and Flag, Registers.
  - c) Memory addressing modes of P-8088 : Segment offset; Data addressing modes; Addressing for branch instructions.
  - d) I/O Addressing with P-8088 : Memory mapped I/O & I/O mapped I/O.

UNIT-2 : SYSTEM HARDWARE ORGANISATION OF COMPUTERS :

1. Hardware Organization of the Personal Computer :
  - a) Block diagram with various parts of PC.
  - b) The Mother Board of General P.C. : 8088 CPU; ROM & RAM; Keyboard

8.2-27

*Suman*  
11/06/18

(Dr. Suman Kumar)

*Dr. A.K. Dairvedi*  
11/06/18  
(A.K. Dairvedi)

*Dr. A.K. Dairvedi*  
11-06-18  
Hawthorn Park Road

11/06/18  
(Dr. A.K. Dairvedi)

*Dr. A.K. Dairvedi*  
11/06/18  
(Dr. A.K. Dairvedi)

*Dr. A.K. Dairvedi*

पाचार्य

विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

# B.COM

## B.Com Part-I Compulsory Group – I Paper – I - Financial Accounting

**OBJECTIVE** – To impart basic accounting knowledge as applicable to business.

### Proposed Syllabus

#### UNIT-I

Accounting :An Introduction: Development, Definition, Needs, objectives; Branches of accounting; Basic Accounting Principles, Concepts & Conventions.

Accounting Standard : International Accounting Standard only outlines, Accounting Standard in India.

Accounting Transaction : Concept of Double Entry System, Concept of Capital & Revenue, Book of original records : Journal; Ledger, Sub-Division of Journal : Cashbook.

#### UNIT-II

Final Accounts; Trial balance; Manufacturing account; Trading account; Profit & loss account; Balance sheet; Adjustment entries.

Rectification of errors; Classification of errors; Location of errors; Rectification of errors; Suspense account; Effect on profit.

#### UNIT-III

Depreciation, Provisions, and Reserves: Concept of depreciation; Causes of depreciation; Depreciation, depletion amortization, Depreciation accounting; Methods of recording depreciation; Methods for providing depreciation; Depreciation of different assets; Depreciation of Replacement cost; Depreciation policy; as per Indian accounting Standard : provisions and Reserves. Accounts of Non-Trading Institutions.

#### UNIT-IV

Special Accounting Areas :

Hire-purchase and installment purchase system : Meaning of hire-purchase contract, Legal provision regarding hire-purchase contract; Accounting for goods of substantial sale values, and accounting records for goods for small values ; Installment purchase system ; After sales Service.

#### UNIT-V

Partnership Account : Dissolution of a Partnership Firm, Amalgamation of Partnership Firms, Conversion of Partnership Firm into Joint Stock Company.

प्राचार्य

विद्यया कालं वाणिज्यं एव शारीरिकं शिक्षया  
महाविद्यालय, जी. ई. रोड रायपुर (उ.प्र.)

## बी.कॉम. भाग - एक

अनिवार्य

### समूह-1 प्रश्नपत्र - 1 - वित्तीय लेखांकन

वर्तमान पाठ्यक्रम	प्रस्तावित पाठ्यक्रम
<p><b>इकाई - 1</b> लेखांकन का अर्थ एवं क्षेत्र : आवश्यकता, विकास एवं परिभाषा, लेखांकन के उद्देश्य, पुस्तकालन एवं लेखांकन में अन्तर, लेखांकन की शाखाएँ। लेखांकन सिद्धांत, लेखांकन मानक : अन्तर्राष्ट्रीय लेखांकन मानक (सिर्फ लपरेखा) : भारत में लेखांकन मानक। लेखांकन व्यवहार : लेखांकन चक्र : पूंजी (जर्नल) : डेबिट (विकलन) एवं क्रेडिट (समाकलन) के नियम, संयुक्त पूंजी (जर्नल) प्रविष्टि, प्रारम्भिक प्रविष्टि : जर्नल एवं खाताबाही में समन्वय, पूंजी एवं आगम : आय, व्यय एवं प्रविष्टियों का वर्गीकरण।</p>	<p><b>इकाई - 1</b> लेखांकन का परिचय : विकास, परिभाषा, आवश्यकता, उद्देश्य, लेखांकन की शाखाएँ, लेखांकन के सिद्धांत, अवधारणा एवं परंपराएँ। लेखांकन मानक : अन्तर्राष्ट्रीय लेखांकन मानक (सिर्फ लपरेखा) : भारत में लेखांकन मानक। लेखांकन व्यवहार, दोहरी प्रविष्टि प्रणाली की अवधारणा। पूंजी एवं आगम की अवधारणा, मूल प्रविष्टि की पुस्तकों, जर्नल, खाताबाही, जर्नल का विभाजन : संकट पुस्तक।</p>
<p><b>इकाई - 2</b> तलपट, अन्तिम खाते : निर्माणी खाता, व्यापार खाता, लाभ-हानि खाता, चिट्ठा एवं समायोजन प्रविष्टियाँ। अशुद्धियों का सुधार या संशोधन, अशुद्धियों का वर्गीकरण, अशुद्धियों की स्थिति, अशुद्धियों का सुधार, उचित खाता लाभ पर प्रभाव।</p>	<p><b>इकाई - 2</b> तलपट, अन्तिम खाते : निर्माणी खाता, व्यापार खाता, लाभ-हानि खाता, चिट्ठा एवं समायोजन प्रविष्टियाँ। अशुद्धियों का सुधार या संशोधन, अशुद्धियों का वर्गीकरण, अशुद्धियों की स्थिति, अशुद्धियों का सुधार, उचित खाता लाभ पर प्रभाव।</p>
<p><b>इकाई - 3</b> मूल्य ह्रास (अवक्षयण), आयोजन एवं संघय, ह्रास की अवधारणा, ह्रास के कारण, ह्रास रिक्तता, अपलेखन ह्रास लेखांकन, ह्रास अभिलेखन की विधियाँ, विभिन्न सम्पत्तियों पर ह्रास आयोजन की विधियाँ, प्रतिस्थापन लागत पर ह्रास, भारतीय लेखांकन मानक के अनुसार लेखांकन नीतियाँ, आयोजन एवं संघय, गैर-व्यापारिक संस्थाओं के खाते।</p>	<p><b>इकाई - 3</b> मूल्य ह्रास (अवक्षयण), आयोजन एवं संघय, ह्रास की अवधारणा, ह्रास के कारण, ह्रास रिक्तता, अपलेखन ह्रास लेखांकन, ह्रास अभिलेखन की विधियाँ, विभिन्न सम्पत्तियों पर ह्रास आयोजन की विधियाँ, प्रतिस्थापन लागत पर ह्रास, भारतीय लेखांकन मानक के अनुसार लेखांकन नीतियाँ, आयोजन एवं संघय, गैर-व्यापारिक संस्थाओं के खाते।</p>
<p><b>इकाई - 4</b> विशेष लेखांकन क्षेत्र (क) शाखा खाते : आश्रित शाखा, देनदार पद्धति, स्कन्ध एवं देनदार पद्धति। (ख) किराया क्रय एवं किस्त क्रय पद्धति : किराया क्रय अनुबन्ध का अर्थ, किराया क्रय अनुबन्ध संबंधित प्रॉवधान, अधिक मूल्य की वस्तुओं के लिए लेखांकन अभिलेख, किस्त क्रय पद्धति एवं क्रय पश्चात् सेवा।</p>	<p><b>इकाई - 4</b> विशेष लेखांकन क्षेत्र किराया क्रय एवं किस्त क्रय पद्धति : किराया क्रय अनुबन्ध का अर्थ, किराया क्रय अनुबन्ध संबंधित प्रॉवधान, अधिक मूल्य की वस्तुओं के लिए लेखांकन अभिलेख, किस्त क्रय पद्धति एवं क्रय पश्चात् सेवा।</p>
<p><b>इकाई - 5</b> साझेदारी खाते : साझेदारी फर्म का विघटन, साझेदारी फर्मों का एकीकरण, साझेदारी</p>	<p><b>इकाई - 5</b> साझेदारी खाते : साझेदारी फर्म का विघटन, साझेदारी फर्मों का एकीकरण, साझेदारी</p>

प्राचार्य


विश्व कला विश्वविद्यालय एवं शारदाशिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)



**SYLLABUS  
B.COM. PART-III**

**GROUPING OF SUBJECTS AND SCHEME OF  
EXAMINATION**

Subject		Max.	Min.
<b>Foundation Course</b>			
I. Hindi Language		75	26
II. English Language		75	26
<b>Compulsory Groups</b>			
<b>Group-I</b>			
I. Income Tax	75	150	50
II. Auditing	75		
<b>Group-II</b>			
I. Indirect Taxes with GST	75	150	50
II. Management Accounting	75		
<b>Group-III Optional</b>			
<b>Option Group A (Finance Area)</b>			
I. Financial Management	75	150	50
II. Financial Market Operations	75		
<b>Option Group B (Marketing Area)</b>			
I. Principles of Marketing	75	150	50
II. International Marketing	75		
<b>Option Group C (Commercial Area)</b>			
I. Information Technology and its Applications in Business	75	150	50
II. Essential of e-Commerce	75		
<b>Option Group D (Money Banking &amp; Insurance Area)</b>			
I. Fundamental of Insurance	75	150	50
II. Money & Banking System	75		

  
 प्राचार्य  
 विद्य कला वाणिज्य एवं शारिरीक शिक्षा  
 महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

B.COM PART III

COMPULSORY CORE COURSE

TITLE OF PAPER - Group-I - PAPER - II - AUDITING

OBJECTIVE

This course aims at imparting knowledge about the principles and methods of auditing and their applications.

M.M. 75

Proposed syllabus
UNIT-I Introduction : Meaning and objectives of auditing; Types of audit; Internal audit. Audit Process : Audit programme; Audit note books; Working papers and evidences.
UNIT-II Internal Check System : Internal control. Audit Procedure : Vouching : Verification of assets and liabilities.
UNIT-III Audit of Limited Companies : a. Company auditor - Qualification, Appointment, powers, duties, Resignation and liabilities. b. Divisible profits and dividend. c. Auditor's report - standard report and qualified report. d. Special audit of banking companies. e. Audit of educational institutions. f. Audit of insurance companies.
UNIT-IV Investigation : Investigation; Audit of non profit companies. a. Where fraud is suspected, and b. When a running a business is proposed. c. Verifications & Valuation of assets.
UNIT-V Recent Trends in Auditing : Nature and significance of cost audit; Tax audit; Management audit .



प्राचार्य

विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
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**SYLLABUS  
B.COM. PART-I**

**GROUPING OF SUBJECTS AND SCHEME OF EXAMINATION**

Subject		Max.	Min.
i) Environmental Studies	75	100	33
Field Work	25		
A. Foundation Course		75	26
I. Hindi Language		75	26
II. English Language			
B. Three Compulsory Groups			
Group-I		150	50
I. Financial Accounting	75		
II. Business Communication	75		
Group-II		150	50
I. Business Mathematics	75		
II. Business Reg. Framework	75		
Group-III		150	50
I. Business Environment	75		
II. Business Economics	75		

  
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# B.Com. II year

## COMPULSORY

### Group - I PAPER - I (CORPORATE ACCOUNTING)

#### OBJECTIVE

This course enable the students to develop awareness about corporate accounting in conformity with the provisions of companies Act.  
(As per company act 2013)

Proposed Syllabus
<b>UNIT-I</b> Issue, Forfeiture, and Re-issue of Shares : Redemption of preference shares; Issue and redemption of debentures.
<b>UNIT-II</b> Final Accounts (as per company act 2013) Liquidation of Company.
<b>UNIT-III</b> Valuation of Goodwill and Shares.
<b>UNIT-IV</b> Accounting for Amalgamation of Companies as per Indian Accounting Standard 14; Accounting for internal reconstruction - excluding intercompany holdings and re-construction schemes.
<b>UNIT-V</b> Consolidated Balance Sheet of holding companies with one subsidiary only.

#### SUGGESTED READINGS :

1. Dr. S.M. Shukla, Sahitya Bhawan Agra.
2. Dr. Mangal Mehta & Agrawal Published - Indore.
3. Dr. Karim Khanuja - Published - Agra.
4. Gupta R.L., Radhaswamy M; Company Accounts; Sultan Chand & Sons, New Delhi.

  
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B.COM PART III

COMPULSORY CORE COURSE

TITLE OF PAPER - Group-I - PAPER - I - INCOME TAX

OBJECTIVE

It enables the students to know the basics of Income Tax Act and its implications.

M.M. 75

Proposed syllabus
UNIT-I Basic Concepts : Income, agricultural Income, casual income, assessment year, previous year, gross total income, total income, person. Basis of charge : Scope of total income, residence and tax liability, income which does not form part of total income.
UNIT-II Heads of Income : Salaries; Income from house property.
UNIT-III Profit and gains of business or profession, including provisions relating to specific business; Capital gains, Income from other sources.
UNIT-IV Computation of Tax Liability : Set-off and carry forward of losses; Deduction from gross total income. Aggregation of income; Computation of total income and tax liability of individual and & HUF,
UNIT-V Tax Management: Tax deduction at source; Advance payment of tax; Assessment procedures; Tax planning for individuals. Tax evasion, Tax Avoidance and Tax planning. Tax Administration: Authorities, appeals, penalties. Preparation of return of income -Manually and on line



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# BBA

## Group - II - PAPER - II PRINCIPLES OF BUSINESS MANAGEMENT

### OBJECTIVE

This Course familiarizes the students with the basics of principles of management.

### Proposed Syllabus

<b>UNIT-I</b> Introduction : Concept, nature, process, and significance of management; management roles (Mintzberg); An overview of functional areas of management; Development management thought: Classical and neo-classical systems; Concept approaches.
<b>UNIT-II</b> Planning : Concept, process and types. Decision making - concept and Bounded rationality; Management by objectives; Corporate planning; Environment analysis and diagnosis; Strategy formulation.
<b>UNIT-III</b> Organizing : Concept, nature, process and significance; Authority and resident relationships; Centralization and decentralization; Departmentation; Organization structure - forms and contingency factors.
<b>UNIT-IV</b> Motivating and Leading People at work : Motivation - concept; Theories Herzberg, McGregor, and Ouchi; Financial and non- financial incentives. Leadership - concept and leadership styles; Leadership theories (Yannenb Schmidt.); Likert's System Management; Communication - nature, process, networks, and barriers, Effective Communication.
<b>UNIT-V</b> Managerial Control : Concept and process; Effective control system; Technical control - traditional and modern. Management of Change : Concept, nature, and process of planned Resistance to change; Emerging horizons of management in a environment.

### SUGGESTED READINGS :

1. Dr. R.C. Agrawal, Agra.
2. Dr. S.C. Saxena, Agra.
3. Wehrich and Koontz, et al : Essentials of Management; Tata McGraw Hill, New Delhi.

  
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**Unit-II**  
Business Cycles- Definition, Phases of business cycle, Use of business cycles in decision-making and stabilization techniques  
National Income- Concepts and Measurement (a brief study only)

**Unit- III**  
Objectives of Business Firms- Economic and Non Economic.  
Profit- Nature of profit, Accounting and Economic profit policies, Aims of profit policy.

**Unit- IV**  
Capital Budgeting and Investment decisions- Concept, Investment decisions under Certainty, Investment decisions under Risk and Uncertainty.

**Unit- V**  
Cost of Capital- Concepts, Determination, Cost of debt, Cost of preference capital, Cost of retained earnings, Average cost of capital and weighted cost of capital.

**References :**

1. P.L. Mehta; Managerial Economics, Sultan Chand and Sons, New Delhi.
2. Varshney & Maheshwari; Managerial Economics, Sultan Chand and Sons, New Delhi.
3. Dwivedi D.N., Managerial Economics, Vikas Publishing House, New Delhi.
4. Adhikary M, Business Economics, Excel Books, New Delhi.
5. Dean, Joel, Managerial Economics, Prentice Hall, Delhi.
6. Chopra O.P.; Managerial Economics, Tata Mc Graw Hill, Delhi.
7. Peterson, h.Craig and W.Cris Lewis : Managerial Economics, Prentice Hall, Delhi.

**Business Communication (112)**

**Course Objectives :**

The objective of this paper is to develop effective business communication skills among the students.

**Course Contents :**

**Unit-I**  
Introducing Business Communication-Definitions, concept, objectives, importance, limitations of Communication, communication models and processes, principles of effective communication.

**Unit-II**  
Corporate Communication-Formal and Informal communication networks;

**Unit-III**  
Barriers and Improvement in Communication, Non-Verbal aspect of Communication  
Effective listening-Principles of effective listening.

**Unit-IV**  
Report Writing- Business Letters.

**Unit-V**  
Oral Presentation- Interviewing Skills, Writing resume and letter of application.

**References :**

1. Bahal, sushil, Business Communication, Saga Publication.
2. Pearce, C Glenn etc., Business Communications: Principles and Applications, John Wiley, New York.
3. Randall E. Magors; Business Communication; Harper and Row, New York.
4. Kaul; Business Communication; Prentice Hall, New Delhi.
5. Rajendra Pal, J.S. Korhahalli; Business Communication, Sultan Chand and Sons, New Delhi.
6. Dr. Urmila Rai, S.M. Rai; Business Communication, Himalaya Publishing House.

**Business Law (113)**

**Course Objective:**  
The objective of this course is to provide the students the basic knowledge of the provisions of various Acts related to business and management.

**Course Contents:**

**Unit - I**  
Companies Act, 1956- Provisions of the Act with regard to Classification, Formation, Memorandum of Association (MOU), Articles of Association, Capital of the Co., Meetings, Agenda, Minutes.

**Unit - II**  
Negotiable Instruments Act, 1881 and Partnership Act, 1932.

**Unit -III**  
Contract Act - Provisions of the Act with regard to Offer and Acceptances, Consideration, Capacity of Parties, Elements of Contract, Kinds of Contracts, Free Consent, Void and Violable Contract, Quasi Contract, Remedies for Breach of Contract.

**Unit - IV**  
Consumer Protection Act, 1986, Foreign Exchange Management Act, 2000.

**Unit - V**  
Main provisions of Labour Laws- Industrial Disputes Acts, Factory Act, Workmen Compensation Act

**References:**

1. N.D. Kapoor - Business Laws, Sultan Chand and Sons, New Delhi.
2. Avatar Singh - The Principles of Mercantile Law, Eastern Book Co. Lucknow
3. S.K. Tuteja - Business Law for Managers

SEMESTER-II.

Max.Marks : 50

Paper -I Yoga Philosophy.

- Unit-I The subject matter of Yoga philosophy-  
Samkhya: Prakriti, Purusha and Cosmology.  
Vedanta : Brahman Soul and Maya.
- Unit-II Different systems of philosophy :  
Pancha Mahavrata -- Jainism.  
Ashtang Marg -- Buddhism  
Integral Yoiga -- Shri Aurobindo
- Unit-III Yoga Sutra : Nature of Chitta, Chitta vrittis and Bhoomis
- Unit-IV Kinds of Yoga : Hatha Yoga, Kundalini, Jnana, Laya.
- Unit-V Psychosomatic disorders (meaning and types) their  
management through Yoga, Aging --its problems  
and management through Yoga.

M.M. - 50

Paper II. Hatha Yoga.

- Unit-I Introduction to the HathPradipika and Gherand Samhita.
- Unit-II Pranayama--Its meaning methods, kinds, Precaution and benefits.
- Unit-III Shuddhi kriya--Shatkarma, its method and utility.
- Unit-IV Bandha and Mudras --methods and benefits.
- Unit-V Samadhi , Different systems of Meditation.

M.M. 25.

M.M. 25.

- (A) (i) Practice Teaching (Indoor)  
(ii) Practice Teaching (Outdoor)/ Internship

Asanas, Kriyas, Pranayamas,  
Class arrangement & Meditation.

M.M.- 50

(B) Practicals (1-8)

1. Balancing Asanas.
2. Asanas of Higher group.
3. Surya Namaskar.
4. Pranayama : Suryabheda Pranayama, Bhastrika Pranayama, Kapalabhati Pranayama & Moorchha Pranayama.
5. Bandha : Uddiyan Bandha & Mahaabandha.
6. Mudra : Bandha Mudrayen & Aadhaar Mudrayen.
7. Shatkarma.
8. Dhaayana & Yoganidra.

M.M. 25

M.M. 25

(C) Practical records

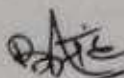
Viva-voce

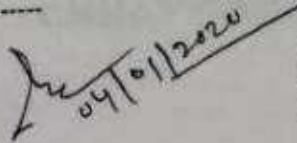
250


Total Marks of II Semester

500

Grand Total of I & II Semester -----

  
04/11/2020

  
04/11/2020

  
04-06-2020

  
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Group - II PAPER - I (COST ACCOUNT)

OBJECTIVE

This course exposes the students to the basic concepts and the tools used in cost accounting.

Proposed Syllabus
<p><b>UNIT-I</b> Introduction : Nature and scope of cost accounting ; Cost concepts and classification; Methods and techniques; Installation of costing system; Concept of cost audit.</p> <p>Accounting for Material : Material Control; Concept and techniques; Pricing of material issues; Treatment of material losses.</p>
<p><b>UNIT-II</b> Accounting for Labour : Labour cost control procedure; Labour turnover; Idle time and overtime; Methods of wage payment - time and piece rates; Incentive schemes. Accounting for overheads: Classification and departmentalization; Absorption of overheads; Determination of overhead rates; Under and over absorption, and its treatment.</p>
<p><b>UNIT-III</b> Cost Ascertainment : Unit costing; Job, batch and contract costing.</p>
<p><b>UNIT-IV</b> Operating costing; Process Costing - excluding inter - process profits, and joint and by - products.</p>
<p><b>UNIT-V</b> Cost Records : Integral and non - integral system; Reconciliation of cost and financial accounts; Break Even Point.</p>

SUGGESTED READINGS :

1. M.L. Agrawal : Sahitya Bhawan Agra.
2. Maheshwari S.M. : Advanced Problems and Solutions in Cost Accounting; Sultan Chand, New Delhi.
3. Arora M.N. : Cost Accounting - Principles and Practice; Vikas, New Delhi.
4. Jain S.P. and Narang K.L. : Cost Accounting; Kalyani New Delhi.

  
प्राचार्य  
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## Programming in Java Subject Code - BCA-302

Max Marks : 80

Min Marks : 27

Note : The Question Paper setter is advised to prepare unit-wise question with the provision of internal choice. Only Simple calculators allowed not scientific calculator.

### UNIT - I

**Introduction:** Genesis of java, importance to the Internet, overview of features. **OOP :** OOP features, data types, control structures, arrays, methods and classes, nested & inner classes, string and String Buffer class, Wrapper Class, vectors,

### UNIT-II

**Operators:** Arithmetic Operators, Relational Operators, Logical Operators, Bit wise Operators, Conditional Operators, new operator, [ ] and instance of operator. **Control Statements:** Java's Selection statement, Iteration Statement, Jump Statement, Array: Declaring Array variables, Constructing an Array, Initializing an Array, Multidimensional Arrays, Anonymous Arrays.

### UNIT - III

**Introducing Classes:** Class Fundamentals, Declaring Object, Assigning Object Reference Variables, Defining Methods, method overloading, Using objects as parameter, Constructors, Garbage collection, finalize () method. **Inheritance:** Inheritance basic, method overloading, object reference this and super, Chaining constructor using this () and super (), Member accessibility modifier: public, protected, default accessibility of member, private protected, private.

### UNIT - IV

**Package:** Define package, CLASSPATH, importing package, **Interface:** Define an interface, implementing interface, extending interface, variable in interface, Overview of nested class: Top level nested class and interface, Non static inner class, Local class.

**Exception Handling : Fundamental:** exception types, using try and catch, throwing exceptions, defined exceptions.

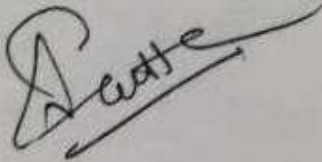
### UNIT-V

**Multithreaded Programming :** Java spread model, creating threads, and thread priorities, synchronization. Suspending resuming and stopping threads. **Input/Output:** Basic Streams, Byte and Character Stream, predefined streams, reading and writing from console and files. Using standard Java Packages (lang,util,io), **JDBC:** Setting the JDBC connectivity with backend database.

### BOOKS RECOMMENDED :

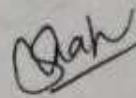
1. The Complete Reference Java 2
2. A Programmer Guide to Java
3. Web Enabled Commercial Application Java 2
4. Java Primer
5. Java Programming

- Herbert Schildt, Publisher- TMH
- Khlid A. Mughal, R.W. Rasmussen.
- Ivan Bayross Publisher- B.P.B
- by E.Balaguruswami
- Khalid Mughal













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Dot Net Technology  
BCA 303

Min Marks : 27

Max Marks : 80

Note : The Question Paper Setter is advised to prepare unit-wise question with the provision of internal choice.

**UNIT-I Inside the .Net Framework**

Overview of .Net framework, Features of .Net, CLR, Common Language Specification, JIT compilation, MSIL, Namespace, FCL, Assemblies, Common Type System, Cross Language, Interoperability, Garbage Collection.

**UNIT- II Programming with VB.Net**

Data types, Variables, Constant, Type Conversions, Operators, Control Structure : Conditional Statement, loops(do loop, for loop, while loop, for Each...Next loop), arrays, Declaring arrays and dynamic arrays, Types, Structure, Enumeration, Sub Procedure, Functions.

**Unit- III Windows Form:**

Windows Form: Working with visual Studio IDE, Creating a .Net Solution, simple forms, MDI forms, windows forms: Control class, TextBox, Richtextboxes, Labels, Button, Checkbox, Radio Button, Panels, Group box, Listbox, Checked list box, Combobox, Picture box, Scrollbar, Timer, Trackbar, Progress bar. MsgBox Function, Message Box. Show Method, Input Box function, Creating MDI application. Menus, creating Menu, sub menu Items, Context Menu.

**Unit- IV OOPS concept**

Class and objects, creating classes, objects, creating data member, creating class shared data member, shared methods, shared properties, overloading methods and properties, with statement, constructor, Destructor(using finalize method), Inheritance, overriding base class member, inheriting constructor, overloading base class member.

**Unit- V Database Programming**

Database concept, ADO.net Architecture, .Net Data Provider( Connection class: OleDbConnection, SqlConnection, Command class : SqlCommand class, OleDbCommand class, DataAdapter class, DataReader class), Dataset Component, Creating Database application using windows forms(DB connectivity through ADO.Net), accessing data from database, navigate in data, working with Data Grid.

**BOOKS RECOMENDED:**

- MSDN online - By Microsoft.
- Visual Basic .NET Complete - BPB Publications, New Delhi.
- The Complete Reference VB. NET - Jeffery R. Shapiro, Tata McGraw Hill.
- Visual Basic .NET Programming Black Book - Steven Holzner by Dreamtech Press.

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Statistical Analysis  
Subject Code - BCA-301

Min Marks : 27

Max Marks : 80

Note : The Question Paper setter is advised to prepare unit-wise question with the provision of internal choice. Only Simple calculators allowed not scientific calculator.

**UNIT-I**

**COMBINATORICS:** Permutation and Combination, Repetition and Constrained Repetition, Binomial Coefficients, Binomial Theorem.

**UNIT-II**

Frequency distributions, Histograms and frequency polygons, Measures of central tendency: Mean, Mode, Median, Dispersion, Mean deviation and standard deviation. Moments, Skewness, kurtosis,

**UNIT-III**

**Elementary probability theory:** Definition, conditional probability, Probability distribution, mathematical expectation

**Theoretical distribution:** Binomial, Poisson and Normal distribution, Relation between the binomial, poisoned Normal distribution.

**UNIT-IV**

**Correlation and Regression:** Linear Correlation, Measure of Correlation, Least Square Regression lines.

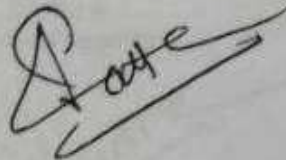
**Curve fitting:** Method of least square, least square line, least squares Parabola. Chi-square test: definition of chi-square; signification test: contingency test, coefficient of contingency.

**UNIT-V**

**Basic of sampling theory:** Sample mean and variance, students t-test, test of Hypotheses and significance, degree of freedom, Z-test, small and large sampling, Introduction to Monte Carlo method.

**TEXT BOOKS:**

1. Advanced Engineering Mathematics: H.K. Dass; S. Chand & Co., 9 Revised Edition, 2001.
2. Discrete Mathematics: S.K. Sarkar; S. Chand & Co., 2000.
3. Numerical Analysis: S.S. Sastry; Prentice Hall of India, 1998.
4. Mathematical Statistics: J.N. Kapoor and H.C. Saxena.
5. Mathematical Statistics: M. Ray and H. Sharma

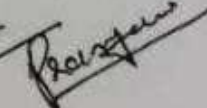














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Dot Net Technology  
BCA 303

Min Marks : 27

Max Marks : 80

Note : The Question Paper Setter is advised to prepare unit-wise question with the provision of internal choice.

**UNIT-I Inside the .Net Framework**

Overview of .Net framework, Features of .Net, CLR, Common Language Specification, JIT compilation, MSIL, Namespace, FCL, Assemblies, Common Type System, Cross Language, Interoperability, Garbage Collection.

**UNIT- II Programming with VB.Net**

Data types, Variables, Constant, Type Conversions, Operators, Control Structure : Conditional Statement, loops(do loop, for loop, while loop, for Each...Next loop), arrays, Declaring arrays and dynamic arrays, Types, Structure, Enumeration, Sub Procedure, Functions.

**Unit- III Windows Form:**

Windows Form: Working with visual Studio IDE, Creating a .Net Solution, simple forms, MDI forms, windows forms: Control class, TextBox, Richtextboxes, Labels, Button, Checkbox, Radio Button, Panels, Group box, Listbox , Checked list box, Combobox , Picture box, Scrollbar, Timer, Trackbar, Progress bar. MsgBox Function, Message Box. Show Method, Input Box function, Creating MDI application. Menus, creating Menu, sub menu Items, Context Menu.

**Unit- IV OOPS concept**

Class and objects, creating classes, objects, creating data member, creating class shared data member, shared methods, shared properties, overloading methods and properties, with statement, constructor, Destructor(using finalize method), Inheritance, overriding base class member, inheriting constructor, overloading base class member.

**Unit- V Database Programming**

Database concept, ADO.net Architecture, .Net Data Provider( Connection class: OleDbConnection, SqlConnection, Command class : SqlCommand class, OleDbCommand class, DataAdapter class, DataReader class), Dataset Component, Creating Database application using windows forms(DB connectivity through ADO.Net), accessing data from database, navigate in data, working with Data Grid.

**BOOKS RECOMENDED:**

- MSDN online – By Microsoft.
- Visual Basic .NET Complete – BPB Publications, New Delhi.
- The Complete Reference VB. NET – Jeffery R. Shapiro, Tata McGraw Hill.
- Visual Basic .NET Programming Black Book – Steven Holzner by Dreamtech Press.



  
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**BCA - 103**  
**PROGRAMMING IN 'C' LANGUAGE**

Min Marks: 27

Max Marks: 80

**NOTE:** The Question Paper setter is advised to prepare unit-wise question with the provision of internal choice. Only Simple calculator is allowed not scientific calculator.

**UNIT-I**

**Fundamentals of C Programming:** Overview of C: History of 'C', Structure of 'C' program. Keywords, Tokens, Data types, Constants, Literals and Variables, Operators and Expressions: Arithmetic operators, Relational operator, Logical operators, Expressions, Operator: operator precedence and associativity, Type casting, Console I/O formatting, Unformatted I/O functions: getch(), getchar, getche(), gets(), puts(), putchar().

**UNIT-II**

**Control Constructs:** If-else, conditional operators, switch and break, nested conditional branching statements, loops: do while, while, for, Nested loops, break and continue, goto and label, exit function.

**Functions:** Definition, function components: Function arguments, return value, function call statement, function prototype, Types of function, Scope and lifetime of variable, Call by value and call by reference. Function using arrays, function with command line argument. User defined function: maths and character functions, Recursive function.

**UNIT-III**

**Array:** Array declaration, One and Two dimensional numeric and character arrays, Multidimensional arrays.

**String:** String declaration, initialization, string manipulation with/without using library function.

**Structure, Union and Enum - Structure:** Basics, declaring structure and structure variable, typedef statement, array of structure, array within structure, Nested structure; passing structure to function, function returning structure, **Union:** basics, declaring union and union variable, **Enum:** declaring enum and enum variable.

**UNIT-IV**


**Pointer:** Definition of pointer, Pointer declaration, Using & and \* operators. Void pointer, Pointer to pointer, Pointer in math expression, Pointer arithmetic, Pointer comparison, Dynamic memory allocation functions - malloc, calloc, realloc and free, Pointer vs. Array, Array of pointer, Pointer to array, Pointers to function, Function returning pointer, Passing function as Argument to function, Pointer to structure, Dynamic array of structure through pointer to structure.

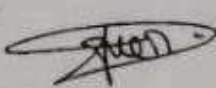
**UNIT-V**

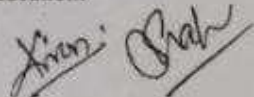
**File Handling and Miscellaneous Features:** File handling: file pointer, File accessing functions: fopen, fclose, fputc, fgetc, fprintf, fscanf, fread, fwrite, fflush, rewind, fseek, ferror. File handling through command line argument. Introduction to C preprocessor #include, #define, Conditional compilation directives: #if, #else, #elif, #endif, #ifndef etc.

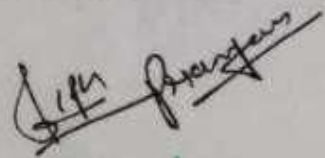
**TEXT BOOKS:**

1. Programming in ANSI C, E Balagurusamy, Tata McGraw-Hill, Third Edition.
2. Let Us C, Yashwant Kanetkar, Infinity Science Press, Eighth Edition.
3. Mastering C, K R Venugopal, Tata McGraw-Hill.
4. The C Programming Language, Brian W. Kernighan, Dennis M. Ritchie, Prentice Hall, Second Edition.
5. Applications Programming in ANSI C, R. Johnsonbaugh, Martin Kalin, Macmillan, Second Edition.
6. The Spirit of C, Mullish Cooper, Jaico publishing House.
7. How to solve it by Computer, R.G.Dromey, Pearson Education.











पाचार्य  
विद्यया कला वाणिज्य एवं शारिरिक शिक्षा  
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**SCHEME OF EXAMINATION 2020-2021  
BCA PART- III**

Subject Code	Subject Paper	Theory Marks		Internal Marks		Teaching Load per Week		
		Max. (A)	Min. (B)	Max. (C)	Min. (D)	L	T	P
BCA301	Statistical Analysis	80	27	20	8	4	2	-
BCA302	Programming in Java	80	27	20	8	4	2	-
BCA303	Dot Net Technology	80	27	20	8	4	2	-
BCA304	Software Engineering	80	27	20	8	4	2	-
BCA305	Data Structure	80	27	20	8	4	2	-
BCA306	Computer System Architecture	80	27	20	8	4	2	-
BCA307	LAB VII: Programming Lab in Java	100	50	40	16	-	-	3x2
BCA308	LAB VIII: Dot Net Technology Lab	100	50	40	16	-	-	2x2
BCA309	Project	100	50	20	8	-	-	1x2
TOTAL		780	312	220	88			
GRAND TOTAL	(PAPER + INTERNAL)	(A+C) 1000		(B+D) 400				

- Student will have to pass individually in all theory, practical and sessional

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प्राचार्य  
विद्युत कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ठ)

BCA - 101  
DISCRETE MATHEMATICS

Min Marks: 27

Max Marks: 80

NOTE: The Question Paper setter is advised to prepare unit-wise question with the provision of internal choice. Only Simple calculator is allowed not scientific calculator.

UNIT - I

Recall of statements and logical connectives, tautologies and contradictions, logical equivalence, algebra of propositions quantifiers, existential quantifiers and universal quantifiers.

UNIT - II

Boolean algebra and its properties, algebra of propositions as an example, De Morgan's Laws, partial order relations g.l.b., l.u.b. Algebra of electric circuits and its applications. Design of simple automatic control system.

UNIT - III

Boolean functions - disjunctive and conjunctive normal forms. Boolean's expansion theorem, fundamental forms. Many terminal Networks.

UNIT - IV

Arbitrary Cartesian product of sets. Equivalence relations, partition of sets, injective, surjective, bijective maps, binary operations, countable, uncountable sets.

UNIT - V

Basic Concept of Graph Theory, Sub graphs, Trees and their properties, Binary Trees, Spanning Trees, Directed Trees, Planar graphs, Euler Circuit, Hamiltonian Graph. Chromatic number.

TEXT BOOKS:

1. Boolean Algebra and its Application, J.E. Whitesitt, Courier Corporation.
2. Concepts of Modern Mathematics, P.L. Bhatnagar, Van Nostrand Reinhold Company.
3. Discrete Mathematics, Babu Ram, Pearson.
4. Graph theory and its applications, NarsinghDeo, Dover publication.
5. A TextBook of Discrete Mathematics, Swapan Kumar Sarkar, S.chand.
6. Elements of Discrete Mathematics, C.L.Liu, Tata McGraw Hill, Second Edition.

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प्राचार्य

विश्व कला वाणिज्य एवं शारीरिक शिक्षा  
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BCA - 102  
COMPUTER FUNDAMENTALS

Min Marks: 27

Max Marks: 80

NOTE: The Question Paper setter is advised to prepare unit-wise question with the provision of internal choice. Only Simple calculator is allowed not scientific calculator.

UNIT - I Introduction to Computers

Computer system: characteristics and capabilities. Computer Hardware and Software: Block Diagram of a Computer, Different Data Processing: Data, Data Processing System, Storing Data, Processing Data. Types of Computers: Analogue, Digital, Hybrid, General and Special Purpose Computers. Generation of Computers. Computer Systems: Micros, Minis & Main-frames. Limitations of Micro Computer. Number systems: Decimal Number system, Binary number system, Octal & Hexadecimal number system, 1's & 2's complement Codes: ASCII, EBCDI Codes, Gray code & BCD. Logic Gates: AND, OR, NOT GATES and their Truth tables, NOR, NAND & XOR gates

UNIT - II Computer Peripherals

Introduction to Input Devices: Categorizing Input Hardware, Keyboard, Direct Entry - Card Readers, Scanning Devices - O.M.R., Character Readers, Thumb Scanner, MICR, Smart Cards, Voice Input Devices, Pointing Devices - Mouse, Light Pen, Touch Screen. Computer Output: Output Fundamentals, Hardcopy Output Devices, Impact Printers, Non-Impact Printers, Plotters, Computer output Microfilm/Microfiche (COM) systems, Softcopy Output Devices, Cathode Ray Tube, Flat Screen Technologies, Projectors, Speakers.

UNIT - III Basic Components & Storage

Central Processing Unit: The Microprocessor, control unit, A.L.U., Registers, Buses, Main Memory, Main Memory (RAM) for microcomputers, Read Only Memory (ROM). Storage Devices: Storage Fundamentals, Primary and Secondary Storage, Data Storage and Retrieval Methods - Sequential, Direct & Indexed Sequential, Tape Storage and Retrieval Methods Tape storage Devices, characteristics and limitations, Direct access Storage and Microcomputers - Hard Disks, Disk Cartridges, Direct Access Storage Devices for large Computer systems, Mass storage systems and Optical Disks, CD ROM.

UNIT - IV Computer Software & Languages

System Software: System software Vs. Application Software, Types of System Software, Introduction and Types of Operating Systems. Boot Loader, Diagnostic Programs, BIOS, Utility Programs. Application Software: Microcomputer Software, Interacting with the System, Trends in PC software, Types of Application Software, Difference between Program and Packages. Computer Languages: Definition, Generations of computer languages, Types of Languages, Language Processors: Assembler, Interpreter, Compiler, Linker and Loader. Programming constructs, Algorithm & flowchart.

UNIT - V Introduction to MS DOS & Windows

Introduction to DOS: History and versions of DOS. Fundamentals of DOS: Physical Structure of the Disk, Compatibility of drives, Disks & DOS versions, Preparing Disks for use, Device Names. Getting Started with DOS: Booting Process (DOS, Windows, Unix), System Files and Command.com, Internal DOS Files & Directories, Elementary External DOS Commands, Creating a Batch Files, Additional Commands.

Microsoft Windows: Operating system-Definition & functions, basics of Windows. Basic components of windows, icons, types of icons, taskbar, activating windows, using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders. Control panel-display properties, adding and removing software and hardware, setting date and time, screen saver and appearance. Using windows accessories.

TEXT BOOKS:

1. Computer Fundamentals, P. K. Sinha, BPB Publications, Sixth Edition.
2. Introduction to Information Technology, V. Rajaraman, PHI, Second Edition.
3. Fundamental of Information Technology, Chetan Shrivastava, Kalyani Publishers.
4. Computers Today, Suresh K Basandra, Galgotia Publications.

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विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)

**Optional Group - (B) प्रबन्ध (Management)**

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper - B I प्रश्नपत्र - B I	वित्तीय प्रबन्ध (Financial Management)	80+20	411
Paper - B II प्रश्नपत्र - B II	कार्मिक प्रबन्ध (Personnel Management)	80+20	412
Paper - B III प्रश्नपत्र - B III	उत्पादन प्रबन्ध (Production Management)	80+20	413
Paper - B IV प्रश्नपत्र - B IV	व्यूहरचना प्रबन्ध (Strategic Management)	80+20	414

**Optional Group - (C) बैंकिंग एवं बीमा (Banking and Insurance)**

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper - C I प्रश्नपत्र - C I	बैंकिंग व्यवहार (Banking Practices)	80+20	421
Paper - C II प्रश्नपत्र - C II	भारत में बैंकिंग संस्थाएँ (Banking Institution in India)	80+20	422
Paper - C III प्रश्नपत्र - C III	जीवन बीमा (Life Insurance)	80+20	423
Paper - C IV प्रश्नपत्र - C IV	सामान्य बीमा (General Insurance)	80+20	425

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प्राचार्य

विद्यया कला वाणिज्य एवं शारिरीक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ठ)

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# SCHEME OF EXAMINATION 2020-2021

## BCA PART-I

Subject Code	Subject Paper	Theory Marks		Internal Marks		Teaching Load per Week		
		Max. (A)	Min. (B)	Max. (C)	Min. (D)	L	T	P
BCA101	Discrete Mathematics	80	27	20	8	4	2	-
BCA102	Computer Fundamentals	80	27	20	8	4	2	-
BCA103	Programming in 'C' language	80	27	20	8	4	2	-
BCA104	PC Software and Multimedia	80	27	20	8	4	2	-
BCA105	Web Technology and E-Commerce	80	27	20	8	4	2	-
BCA106	Communication skills	80	27	20	8	4	2	-
BCA107	LAB I: Programming Lab in 'C'	100	50	40	16	-	-	3x2
BCA108	LAB II: PC Software Lab	100	50	40	16	-	-	2x2
BCA109	LAB III: Web Technology Lab	100	50	20	8	-	-	1x2
<b>TOTAL</b>		780	312	220	88			
<b>GRAND TOTAL</b>	<b>(PAPER + INTERNAL)</b>	<b>(A+C)</b> <b>1000</b>		<b>(B+D)</b> <b>400</b>				

- Student will have to pass individually in all theory, practical and sessional.

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प्राचार्य

विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

संगठनात्मक व्यवहार (प्रश्नपत्र द्वितीय)

**ORGANIZATIONAL BEHAVIOUR (Paper - Second)**

M.M. : 80

**OBJECTIVE -**

The Objective of this course is to help student understand and conceptual framework of management and organizational behavior.

Unit - I	<b>Organizational Behaviour</b> : concept and significance ; Relationship between management and organizational behaviour; Emergence and ethical perspective; Attitudes; Perception; Learning; Personality; Transactional analysis.
Unit - II	<b>Leadership</b> : Concept; Leadership styles; Theories - trait theory, behavioural theory, Fielder's contingency theory; Harsey and Blanchard's situational theory; Managerial grid; Likert's four systems of leadership.
Unit - III	<b>Organizational Conflict</b> : Dynamics and management; Sources, patterns, levels, and types of conflict; Traditional and modern approaches to conflict; Functional and difunctional organizational conflicts; Resolution of conflict.
Unit - IV	<b>Interpersonal and Organizational Communication</b> : Concept of two-way communication; Communication process; Barriers to effective communication; <b>Types of organizational communication</b> ; Improving communication; Transactional analysis in communication.
Unit - V	<b>Organizational Development</b> : Concept; Need for change, resistance to change; Theories of planned change; Organizational diagnosis; Organizational Development intervention.

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विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रावपुर (छ.ब.)

**M.Com. Third Semester (Compulsory Paper)**

एम. कॉम. तृतीय सेमेस्टर - अनिवार्य प्रश्नपत्र

प्रबन्ध की अवधारणा (प्रश्नपत्र प्रथम)

**MANAGEMENT CONCEPT (Paper - First)**

M.M. : 80

**OBJECTIVE -**

The Objective of this course is to help student understand and conceptual framework of management and organizational behaviour .

<b>Unit - I</b>	<b>Schools of Management Thought :</b> Scientific, process, human behaviour and social system school; Decision theory school; Quantitative and system school; Contingency theory of management; Functions of a manager.
<b>Unit - II</b>	<b>Managerial Functions :</b> Planning - concept, significance, types; Organizing - concept, principles of authority, theories, types of organizations, authority, responsibility, power, delegation, decentralization;
<b>Unit - III</b>	<b>Staffing; Directing; Coordinating; Control -</b> nature, process, and techniques.
<b>Unit - IV</b>	<b>Motivation :</b> Process of motivation; Theories of motivation - need hierarchy theory, theory X and theory Y, two factor theory, Alderfer's ERG theory, McClelland's learned need theory, Victor Vroom's expectancy theory, Stacy Adams equity theory.
<b>Unit - V</b>	<b>Group Dynamics and Team Development :</b> Group dynamics - Definition and importance, types of groups, group formation, group development, group composition, group performance factors; Principle-centered approach to team development.

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प्राचार्य

विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.उ)

M. Com. III<sup>rd</sup> Semester (Compulsory Papers)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper - I प्रश्नपत्र - I	प्रबन्ध की अवधारणा (Management Concept)	80+20	301
Paper - II प्रश्नपत्र - II	संगठनात्मक व्यवहार (Organisational Behaviour)	80+20	302
Paper - III प्रश्नपत्र - III	उच्चतर लागत लेखांकन (Advance Cost Accounting)	80+20	303
Paper - IV प्रश्नपत्र & IV	प्रबंधकीय लेखांकन (Management Accounting)	80+20	304
Paper - V प्रश्नपत्र - V	प्रबंधकीय निर्णय के लिए लेखांकन (Accounting for managerial decision)	80+20	305

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प्राचार्य

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महाविद्यालय, जी.ई. रोड रावपुर (उ.प्र.)

M. Com. IV<sup>th</sup> Semester

Special attention to the Students. Students are required to select any one Specialization out of four suggested below,

**Optional - Specialization**

Optional Group - (A) Marketing

Optional Group - (B) Management

Optional Group - (C) Banking and Insurance

Optional Group - (D) Taxation and Accounting

Optional Group - (A) विपणन (Marketing)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper - A I प्रश्नपत्र - A I	विपणन के सिद्धान्त (Principle of Marketing)	80+20	401
Paper - A II प्रश्नपत्र - A II	विज्ञापन एवं विक्रय प्रबन्ध (Advertising & Sales Management)	80+20	402
Paper - A III प्रश्नपत्र - A III	विपणन अनुसन्धान (Marketing Research)	80+20	403
Paper - A IV प्रश्नपत्र - A IV	अन्तर्राष्ट्रीय विपणन (International Marketing)	80+20	404

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प्राचार्य

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महाविद्यालय, जी.ई. रोड रायपुर (छ.उ)

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प. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छत्तीसगढ़)

एम.कॉम. सेमेस्टर परीक्षा

पाठ्यक्रम (सत्र 2019-20 से लागू)

M.Com. I<sup>st</sup> Semester

प्रश्न पत्र	प्रश्न पत्र का नाम	पूर्णांक	पेपर कोड
प्रश्नपत्र I Paper I	प्रबंधकीय अर्थशास्त्र Managerial Economics	80 + 20	101
प्रश्नपत्र II Paper II	वृहत् (उच्चतर) लेखांकन Advanced Accounting	80 + 20	102
प्रश्नपत्र III Paper III	आयकर विधान एवं लेखे (Income Tax Law and Accounts)	80 + 20	103
प्रश्नपत्र IV Paper IV	सांख्यिकीय विश्लेषण Statistical Analysis	80 + 20	104
प्रश्नपत्र V Paper V	निगमित विधि संरचना Corporate Legal Framework	80 + 20	105

M.Com. II<sup>nd</sup> Semester

प्रश्न पत्र	प्रश्न पत्र का नाम	पूर्णांक	पेपर कोड
प्रश्नपत्र VI Paper VI	व्यावसायिक अर्थशास्त्र Business Economics	80+20	201
प्रश्नपत्र VII Paper VII	विश्लिष्ट लेखांकन Specialized Accounting	80+20	202
प्रश्नपत्र VIII Paper VIII	कर नियोजन एवं प्रबन्ध (Tax Planning and Management)	80+20	203
प्रश्नपत्र IX Paper IX	उच्चतर सांख्यिकी Advanced Statistics	80 + 20	204
प्रश्नपत्र X Paper X	व्यावसायिक सन्निधन Business Laws	80 + 20	205

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विद्य. कला वाणिज्य एवं शारिरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)



**MPed III Semester**

**PART-A: COURSE INTRODUCTION**

1.	Program code	M.P.Ed
2.	Course code	0901 C-1
3.	Course title	<b>Scientific Coaching Methods</b>
4.	Course learning outcomes	The student will develop to design preparation of technique learning.
		The students will have more confidence in their knowledge of the subject matter related to tactics development.
		The students will demonstrate the ability to resolve problems related to long term and short term training plan.
		The students will learn to develop training session.
		The students will learn to prepare plan related to psychological training for sportsperson.

**PART B: CONTENT OF COURSE**

UNITS	TOPICS
UNIT-1	1.1. Historical development of coaching schemes in India.
	1.2. Philosophy of coaching and qualities of coach.
	1.3. Introduction to motor development, stages of motor development.
UNIT-II	2.1. Technical preparation - Fundamental methods for the development of technique in sports. Stages of technical development, grounding, causes and correction of faults.
	2.2. Tactical preparation - Tactical concepts, methods of tactical training.
UNIT-III	Psychological preparation
	3.1. Psychology of a coach and his trainees
	3.2. Individual differences, psychological potentiality
3.3. Development of will power, stress, anxiety, frustration control	





प्राचार्य  
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महाविद्यालय, जी.ई. रोड रावपुर (उ.ठ)

- 1 Diskson: Accountancy
- 4 J.K. Batlibool : Advanced Accounting
- 5 R.R. Gupta: Advanced Accounting
- 6 S.N. Shukla : Advanced Accounting
- 7 Shukla and Grewal: Advanced Accounting
- 8 H Chakravarty : Advanced Accounts
- 9 Dr. Shukla Anan Agrawal: Advanced Accountancy
- 10 Dr. S.S. Gupta: Advanced Accounts
- 11 Dr. Karim, Dr. Niharaja & Pro. Mahata : Advanced Accounting
- 12 डॉ. करीम, डॉ. खन्नुजा एवं प्रो. महता : वृहत लेखाकर्म
- 13 प्रो. के. अग्रवाल तथा आर.के. अग्रवाल : उच्च वित्तीय एवं कम्पनी लेखाकर्म
- 14 आर.के. गुप्ता : उन्नत लेखाकर्म
- 15 Basu Das : Advanced Accounting

M. Com - 1<sup>st</sup> Semester

**आयकर विधान एवं लेखे (प्रश्नपत्र - III)**

Income Tax Law and Accounts (Paper - Third)

M.M. : 80

**OBJECTIVE**

The objective of this course is to help student understand and conceptual framework of Income tax.

Unit - I	Law relating to Income tax : Brief study of the main provisions of the Indian Income Tax Act. Important definitions. Income exempted from tax, Residence and Tax liability.
Unit - II	Calculation of taxable income under the head : Salary and House property.
Unit - III	Depreciation and Development allowance, Calculation of taxable Income under the head : Business and Profession, capital gains, income from other sources.
Unit - IV	Set off and carry forward of losses, Deduction from gross total Income Calculation of taxable Income and tax of an individual, and Hindu undivided Families.

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प्राचार्य

विश्व कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

**MPed II Semester**

**PART-A: COURSE INTRODUCTION**

1.	Program code	<b>M.P.Ed</b>
2.	Course code	0901B-1
3.	Course title	<b>Training methods</b>
4.	Course learning outcome	The students will become skilful for preparing training schedule.
		The students will become proficient in designing training plan.
		The student will learn to frame exercise sequence for development of different fitness component.
		The assessment of training load and periodization planning will be learnt by the students.
		The evaluation and the results of sportsperson progress can be presented by students through graphics

**PART B: CONTENT OF COURSE**

UNITS	TOPICS
<b>UNIT-I</b>	1.1. Brief historical sketch of development of Competitive sports in India.
	1.2. Introduction to motor development.
	1.3. Sports training.
	1.4. Its aims, Tasks and characteristics.
	1.5. Principles of sports training.
<b>UNIT-II</b>	2.1. Training Load: Important features of training load [Intensity, Density, Duration and Frequency].
	2.2. Principles of Training load, Relationship between load and adaptation, conditions of adaptation, principles of over load. Causes and symptoms of over load, tackling of over load.
	2.3. Training plans long term and short term plans,
	2.4. Periodization (Single double and triple). Cyclic process of training. Training session.

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**प्राचार्य**

विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
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PAPER - I  
MANAGERIAL ECONOMICS

M.M. 80+20

OBJECTIVE:

This course develops managerial perspective to economic fundamentals as aids to decision making under given environmental constraints.

COURSE INPUTS:

- UNIT-1 Nature and Scope of Managerial Economics; Objective of a firm; Economic theory and managerial theory; Managerial economist's role and responsibilities.
- UNIT-2 Fundamental economic concepts-incremental principle, opportunity cost principle, discounting principle, equi-marginal principle.
- UNIT-3 Demand Analysis: Individual and Market demand functions Law of demand; Determinants of demand; Elasticity of demand-its meaning and importance, Price-elasticity; Income elasticity and cross elasticity; Using elasticity 'in managerial decisions.
- UNIT-4 Theory of consumer Choice: Cardinal utility approach, Indifference approach, revealed preference and theory of consumer choice under risk; Demand estimation for major consumer durable and non-durable products; Demand forecasting tech. techniques.
- UNIT-5 Production Theory: Production function-production with one and two variable inputs, Stages of production; Economics of scale; Estimation of production function.

PAPER - II  
ADVANCED ACCOUNTING

M.M. 80+20

OBJECTIVE:

The objective of this course is to expose students to accounting issues and practices such as maintenance of company accounts and handling accounting adjustments.

COURSE INPUTS:

- UNIT-1 Accounting for issue, Forfeited and redemption of shares and debentures.
- UNIT-2 Final accounts and financial statements of companies.
- UNIT-3 Accounting issues relative to amalgamation and reconstruction of companies.
- UNIT-4 Accounting for holding and subsidiary companies.
- UNIT-5 Accounts relating to liquidation of companies.

REFERENCES:

- Beets, F.A. : Advanced Accounting, Prentice Hall, New Jersey., Dearden, J. and S.K. Bhattacharya: Accounting for Management, Vikas Publishing House, New Delhi.
- Engler, C.L.A. Bernstein, and R.R. Lebert: Advanced Accounting, with Chicago, Fischer, P.M., W.J. Taylor and J.A. Leer: Advanced Accounting, South-Western, Ohio. Gupta, R.L. : Advanced Financial Accounting, S.Chand & Co., New Delhi.
- Heise D.E. and J.J. Weygand: Intermediate Accounting, John Wiley and Sons, NY.
- Mahtwari, S.N. : Advanced Accountancy- Vol.II Vikash Publishing House, New Delhi
- Manga, J.R. : Advanced Financial Accounting, Mayoor Paperbacks, Noida Narayanaswamy, R: Financial Accounting: A Managerial Perspective, Prentice Hall of India, Delhi.
- Neige, R.F. : Financial Accounting, Tata McGraw Hill, New Delhi.
- Sankla, M.G. and T.S.Grewal : Advanced Accountancy, Sultan Chand & Co. New Delhi.
- Warren, C.S. and P.E. Fess: Principles of Financial and Managerial Accounting, South Western, Ohio.

RECOMMENDED BOOKS:

1. Pleske and Drakeley : Accountancy
2. Wilson: Company Accounts

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विश्व कला संग्रहालय एवं शारीरिक शिक्षा  
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July - December					
Third Semester	Paper	Title of Paper	Credit	External	Internal
	I	Scientific Coaching Methods	4	80	20
	II	Sports Psychology	4	80	20
	III	Sports Medicine	4	80	20
	IV	Specialization theory	4	80	20
	P-I	Practical Advanced Coaching lesson	4	100	100
<b>Total</b>				<b>600</b>	

January-June					
Fourth Semester	Paper	Title of Paper	Credit	External	Internal
	I	Health education	4	80	20
	II	Psychology of coaching and counseling	4	80	20
	III	Sports physiotherapy	4	80	20
	IV	Sport journalism	4	80	20
	P-I	Practical - Physiological and Psychological assessment	4	80	20
<b>Total</b>				<b>600</b>	
<b>Grand total [Semester I + II + III + IV]</b>				<b>2400</b>	

**Note:** Minimum passing marks is 36% in theory (external and internal separately) and 40% in practical (external and internal separately)

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विद्युत कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

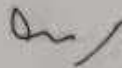
## M.P.Ed I semester

## PART-A: COURSE INTRODUCTION

1.	Program code	M.P.Ed 0901
2.	Course code	0901A-1
3.	Course title	<b>Professional Preparation and Curriculum designs</b>
4.	Course learning outcome	To understand the ever evolving curriculum of physical education To develop opportunities to construct & design the curriculum of PE in broader aspects realizing the age group, gender consideration and physiological basis. To know about that intramural and extramural tournaments To know about the role of curriculum design for effective teaching and learning in physical education

## PART B: CONTENT OF COURSE

UNITS	TOPICS
UNIT-I	1.1. Foundation of professional preparation
	1.2. Ideals of Indian Democracy: Contribution of Physical Education
	1.3. Forces and factor effecting Education Policies and programs - social, religious, economic and political. Education and professional preparation in physical education in India with those in USA, USSR and UK.
UNIT-II	2.1. Under graduate preparation of professional areas of health education, physical education and recreation. Purpose of under graduate preparation. Administration, curriculum, laboratory experiences, field experiences, Laboratory Experiences, Field Experiences, Teaching Practice and Professional competences to be developed. Facilities and special resources for Library.
	2.2. Post Graduate preparation of professional personnel: Purposes of post graduate studies, admission requirements, sports, curriculum, area of specialization and concentration on core areas, Research requirement, Methods of instruction.



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4. M.C. Kuchal – Business Law, Vikas Publishing House.
5. Arun Kumar Sen & Jitendra Kumar Mitra – Commercial Law, The World Press Pvt. Ltd.

### Business Environment (114)

#### Course Objective :

This paper aims at acquainting the students with the emerging issues in business at the national and international level in the light of the policies of liberalization and globalization.

#### Course Contents :

##### Unit-I

Indian Business Environment – Concept, Components, Economic, Social, Cultural, Politico-legal environment and their importance.

##### Unit-II

Economic trends (over view): Income, Savings and Investment ; Structures of Indian Industry-Public and Private sector. Trade (Foreign) - Balance of Payments.

##### Unit-III

Problems of Growth, Unemployment, Poverty, Regional imbalances, Social injustice, inflation, Parallel economy, Industrial sickness, The current Five Year Plan - Major policies ; Resource allocation.

##### Unit-IV

Role of Government : Monetary and Fiscal Policy; industrial Policy, Industrial Licensing, Privatization, Liberalization, Globalization, Export-Import Policy.

##### Unit-V

International Trading Environment, Trends of World Trade and the Problems of Developing Countries. International Economic Grouping: GATT, WTO, World Bank, IMF, UNCTAD

#### References :

1. Francis Cherumilam, Business Environment, Himalaya Publishing House
2. Adhikari M., Economic Environment of Business.
3. K. Aswathapa, Essential of Business Environment, Himalaya Publishing House
4. Sundaram & Black; The International Business Environment; Prentice Hall, New Delhi.
5. Misra S.K. and Puri V.K.; Indian Economy; Himalaya Publishing House, New Delhi.
6. Hedge Lan; Environmental Economics; Macmillan, Hampshire.
6. Agrawal A.N. Indian Economy; Vikas Publishing House, Delhi.

### Management Information System (MIS) - 115

#### Unit - I

Introduction to Management Information System, Nature, Scope and significance.

#### Unit - II

Structure of MIS, system, sub-system, integrated system, system view of Business.

#### Unit - III

Process of MIS Development : Defining the problem, Setting system objectives, Determining information needs, sources, Development and selection of alternative design.

#### Unit - IV

Implementation of MIS, Evaluating of MIS, Maintenance of MIS

#### Unit - V

Information system particularly Finance Information System, Marketing Information, System and Human Resources Information System.

#### Suggested Readings :

1. Robert G. Murdic Joel E. Ross, James R. Clagget, Information Systems for Modern Management, PHI, New Delhi.
2. Gordon B. Davis, M.H. Olson, **Management Information System**, Prentice Hall, New Jersey.
3. Jerome Kanter, Management Oriented Management Information Systems, PHI, New Delhi.

## Semester Four

### Organisational Behaviour (116)

#### Course Objective:

The objective of this paper is to familiarize the student with basic concepts and behavioral process in an organisation to enable him to develop and adopt effective strategies.

#### Course Contents:

  
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# P.G.D.Y.P.E

## P.G.Diploma in Yoga Education and Philosophy Syllabus. (Effective from 2020-2021)

There shall be two theory papers and one Practical (Three parts) in each semester.

### SEMESTER -I

#### Paper -1 Theoretical Yoga Vijnan

M.M.-50.

- Unit-I : Introductio to Yoga : The concept, meaning , definition and tradition of Yoga, Guru-Shishya ( types and meaning )
- Unit-II : Basic texts of Yoga --Yoga Sutra(Samadhi and Sadhana Padas), Hathyoga Pradipika.
- Unit-III : Kinds of yoga : Bhakti yoga ,Karma yoga, Mantra yoga and Raj yoga.
- Unit-IV : Study of Ida, Pingala, Sushumna, Seven Chakras ,Five Koshas, and Five Pranas.
- Unit-V : Contemporary Yogis --Shri Aurobindo, Satyananda and Shivananda.

#### Paper -2. Applied Yoga Vijnan.

M.M. 50.

- Unit-I : Meaning , definition and importance of Yoga and Health in life. Theories of Health, Various exercises benefits of Yoga- asanas and their values vis-a-vis other systems.
- Unit -2 : Practice of Yoga - Preparation . Food , Dress, Sequence , Climatic Changes daily routine Vratas for health, positive and negative factors.
- Unit -3 : Life pattern and Yoga --Effects of yoga upon bodily functions, Role of yoga asanas in modern living.
- Unit - 4 : Physiology- Constitution Nervous system , Respiratory system, Circulatory system and ESndocrine glands
- Unit- 5 : Aspects of Mind ( Topograficals and Dynamic ) Id, Ego and Super Ego, Concious , Sub-concious and Un-concious . Yogic concept of mind and mental process.

#### Practicals

##### (A) (i) Practice Teaching (Indoor)

M.M. 25.

##### (ii) Practice Teaching (Outdoor)/ Internship

M.M. 25.

Asanas, Kriyas, Pranayamas  
Class arrangement, Meditation

##### (B) Practical (1-6)

M.M. 50.

1. Pawanmuktasana Part-1, 2 & 3
2. Asanas :, Relaxation, Pre-meditative, backward and forward bending, Spinal Cord Twisting and balancing, Asanas of Vajrasana group & Standing pose
3. Nadishodhan and Pranayamas : Sheetal Pranayama, Sheetakari Pranayama, Ujjayi Pranayama & Bhramari Pranayama.
4. Mudra : Hastmudra, Manmudra and Kayamudra.
5. Bandha : Moolbandha & Jalandhar Bandha.
6. Shawaasana.

##### (C) Practical record :

M.M. 25

##### Viva-Voce :

MM 25

Total Marks of I sem :

250.

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04/11/2020

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04-01-2020

  
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### Unit - V

Controlling and Budgeting : Nature of Control, relationship between planning and control, need for control, significance and limitation of control, types of control, process of control, budgetary control, performance budgeting, Zero based budgeting, management audit, networks techniques - PERT & CPM a over view

#### References :

1. Drucker Peter F : Management Challenges for the 21<sup>st</sup> Century; Butterworth Heinemann, Oxford.
2. Wehrlich and Koontz; Essentials of Management; Tata Mc Graw Hill, New Delhi.
3. Hampton, David R.; Modern Management; Mc Graw Hill, New York.
4. Terry and Franklin; Principles of Management; AITBS, New Delhi.
5. Stoner and Freeman; Management PHI, New Delhi.
6. R.D Agrawal; Organisation and Management, TMH, New Delhi.

### Financial Accounting (105)

#### Course Objective:

The Objective of this course is to familiarize the students with basic concepts and methods of Financial Accounting as a practical subject in Business Management

#### Course Contents :

#### Unit -I

Accounting - Definition, Meaning Advantages, Limitations and system. Relationship of Accounting with other functional Areas.

#### Unit- II

Capital and Revenue - Classification, Expenditure and Revenue, Journal, Ledger and Trial Balance.

#### Unit -III

Cash Book, Bank Reconciliation Statement, Rectification of Errors.

#### Unit - IV

Final Accounts- Manufacturing Account, Trading Account & Profit and Loss Account, Balance Sheet.

#### Unit -V

Depreciation, Hire Purchase and Installment System.

#### References:

1. S.M. Shukla, Accounting Principals, Sahitya Bhawan, Agra
2. Hanif Mukherji, Modern Accounting- Vol -I, T.M.H
3. S.P. Jain and K.L. Narang - Financial Accounts, Kalyani Publishers.
4. S.N. Maheshwari, Advanced Accountancy, Vol I, Vikas Publishing House.
5. T.S. Grewal, Advanced Accounts, S. Chand & Sons, New Delhi.
6. R.L. Gupta, Advanced Accounts, S.Chand & Sons, New Delhi.

## Semester Two

### हिन्दी (100)

विषय का उद्देश्य - इस प्रत्येक का उद्देश्य विद्यार्थी का हिन्दी रचना से उसकी अवगतता बढ़ाना है। उसे इसका अभ्यास हो कि वह कवि से हिन्दी रचना की संसर्ग में आए और सीरे-सीरे उसके भीतर प्रवेश न करे।

#### ईकाई -1 मानक हिन्दी भाषा

मानक भाषा - इसका और लक्षण। मानक, उपमानक और अमानक भाषा में अंतर, उदाहरण, मानक हिन्दी। औपचारिक। अनौपचारिक मानक हिन्दी औपचारिक हिन्दी (अनौपचारिक उपमानक हिन्दी)। क्षेत्रिय बोधिव्यंकी के प्रभाव से अनुचित मानक हिन्दी।

#### ईकाई - अष्टुष्टि संशोधन -अष्टुष्टियों का इतीहास

क. उच्चारण अष्टुष्टियाँ स. वर्तनीव्यंकी अष्टुष्टियाँ  
ग. शब्द एवं वाक्यांशगत अष्टुष्टियाँ घ. व्याकरण अष्टुष्टियाँ

#### ईकाई 3- हिन्दी में रचना और प्रकार

क. शब्द रचना - उपसर्ग एवं सङ्घुपादक प्रत्यय तथा उनके अक्षरपूर्वक प्रकार  
ख. शब्द प्रकार - लक्षण, लक्षण, देशी, विदेशी, संज्ञक वर्गीकरण।  
ग. शब्दार्थ - पर्यायवाची, विलम्बवाची, युग, अनेकाधी।  
घ. शब्द जोष में शब्द और अर्थ का स्थान।

#### ईकाई-4 पत्र लेखन - वास्तविक, निजी सांस्कृतिक अर्थसांस्कृतिक

आवेदन पत्र, हिन्दी में पत्र लेखन।  
पाठ्य पुस्तक सन्दर्भित तथा शिक्षा अनुदान आयोग भोपाल द्वारा प्रयोजित तथा सहायक हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित।

#### ईकाई -5 हिन्दी रचना और प्रयोग

  
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# PGDCA

## SCHEME OF TEACHING AND EXAMINATION P.G.D.C.A. (Post Graduate Diploma in Computer Applications)

### SECOND SEMESTER

Subject Code	SUBJECTS	Teaching Load Per Week			Examination Marks							
					Max. Marks				Min. Marks			
		L	T	P	Th	Ses	Pr	Total	Th	Ses	Pr	Total
PGDCA106	Programming in VB .Net	3	2	-	80	20	-	100	20	13	-	33
PGDCA107	Database Management Systems	3	2	-	80	20	-	100	20	13	-	33
PGDCA108	Internet and Web Technology	3	2	-	80	20	-	100	20	13	-	33
PGDCA109	Practical based on PGDCA106	-	-	3x2	-	-	100	100	-	-	40	40
PGDCA110	Practical based on PGDCA107 and PGDCA-108	-	-	3x2	-	-	100	100	-	-	40	40
	<b>TOTAL</b>	<b>9</b>	<b>6</b>	<b>12</b>	<b>240</b>	<b>60</b>	<b>200</b>	<b>500</b>	<b>60</b>	<b>39</b>	<b>80</b>	<b>179</b>

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प्राचार्य

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# Database Management Systems

## Subject Code - PGDCA-107

### Course Outcomes

- Students will be able to design a database based on the given requirements.
- Students will be able to make projects with knowledge of subject provided to them.
- Students will be able to write Standard Query Language statements.
- Students are expected to apply normalization techniques on given database.

### Syllabus

#### UNIT - I: Introduction To DBMS

Purpose of database systems, views of data, Data Modeling, Database Languages, Transaction Management, Storage Management, Database Administrator and User, Database System Structure.

#### UNIT - II: E-R Model

Entity - Relationship model as a tool for conceptual design-entities, attributes and relationships. ER diagrams; Concept of keys; Case studies of ER modeling Generalization; specialization and aggregation. Converting an ER model into relational Schema

#### UNIT - III: Relational Model

Structure to Relational Database, select, project, cross product different types of joins (inner join, outer joins, self-join); set operations, Tuple relational calculus, Domain relational calculus, Simple and complex queries using relational algebra, stand alone and embedded query languages.

#### UNIT - IV: Relational Database Design

Normalization concept in logical model; Pitfalls in database design, update anomalies: Functional dependencies, Join dependencies, Normal forms (1NF, 2NF, 3NF). Boyce Codd Normal form, Decomposition, Multi-Valued Dependencies, 4NF, 5NF, De-Normalization.

#### UNIT - V: Introduction to RDBMS Software - SQL/Oracle

Introduction to personnel and Enterprises Oracle, Data Types, Commercial Query Language, SQL, SQL\* PLUS. DDL and DML: Creating Table, Specify Integrity Constraint, Modifying Existing Table, Dropping Table, Inserting, Deleting and Updating Rows in as Table, Where Clause, Operators, ORDER BY, GROUP Function, SQL Function, JOIN, Set Operation, SQL Sub Queries. Views: What is Views, Create, Drop and Retrieving data from views. Security: - Management of Roles, Changing Password, Granting Roles & Privilege, with drawing privileges.

### Recommended Books:

- |  |                         |
|--|-------------------------|
| 1. Data Base Systems                   | : Silberschatz & Korth. |
| 2. An Introduction to Data base System | : C.J. Date             |
| 3. Data Base Management System         | : Raghu Ramakrishnan.   |
| 4. Data Base Management System         | : Elmasri & Nawathe.    |
| 5. Data Base Management System         | : Alexies & Mathews     |



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# PROGRAMMING IN VB .NET

## Subject Code - PGDCA-106

### Course Outcomes

- Students will understand .NET Framework and describe some of the major enhancements to the new version of Visual Basic.
- Students will describe the basic structure of a Visual Basic .NET project and use main features of the integrated development environment (IDE).
- Students will create applications using Microsoft Windows Forms
- Students will create applications that use ADO .NET

### Syllabus

#### UNIT - I : Introduction to .NET framework

Overview of .net framework features & architecture, Managed Execution process, CLR, common language specification, JIT Compilation, MSIL, Namespaces, Assemblies, metadata, Common Type System, Visual development & event driven programming, cross language, interoperability, Garbage collection.

#### UNIT - II : Programming with .NET Framework

Windows form: working with Visual Studio IDE, creating a .NET solution, MDI application, components and controls, Data types, variables, Type conversions, Operators, Methods and events, Scope and life time of variables, Creating Enumerations.

#### UNIT - III Control Structures

Control Structures: conditional statements, loops, arrays, types of methods, method data, creating Sub Procedures and Functions, MsgBox, Inputbox, Introduction to exception handling-try catch statement, finally statement, throw, user define Exception.

#### UNIT - IV GUI Programming

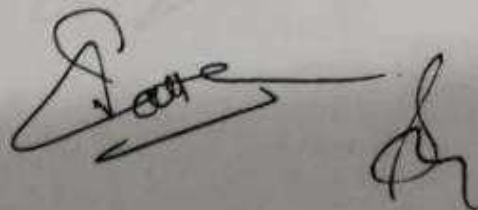
GUI Programming with window forms, Showing & hiding forms, Textbox, RichText box, Label, Button, Listbox, Combobox, Checkbox, PictureBox, Radio button, Toggle Button, Panel, Groupbox, Scrollbar, Timer, Dialog boxes, OpenFileDialog, SaveFile dialog, Print dialog, Font dialog, Color dialog, Designing menus and sub menus.

#### UNIT - V Database programming with ADO.net

ADO .NET Architecture, .NET data provider, dataset components, creating database applications using Window forms (Database connectivity through ADO .NET), Accessing data using server explorer, Data Adapters & Data sets, Command & Data reader, data bind control, displaying data in data grid.

#### BOOKS RECOMMENDED

- ✓ MSDN online - by Microsoft
- ✓ Visual Basic .NET Complete - By BPF Publications, New Delhi.
- ✓ The Complete Reference VB .NET - By Jeffery R. Shapiro, Tata Mcgraw Hill.
- ✓ Professional VB .NET 2003 - by bill Evjen & others, Wiley Dreamtech India (P) Ltd. New Delhi.



प्राचार्य

विप्र कला कॉलेज एवं शारिरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.३)

# PROGRAMMING IN C

## Subject Code - PGDCA-103

### Course Outcomes

After the course the students are expected to be able to (this is what the exams will test):

- Identify situations where computational methods and computers would be useful.
- Given a computational problem, identify and abstract the programming task involved.
- Approach the programming tasks using techniques learned and write pseudo-code.
- Choose the right data representation formats based on the requirements of the problem.
- Use the comparisons and limitations of the various programming constructs and choose the right one for the task in hand.
- Write the program on a computer, edit, compile, debug, correct, recompile and run it.
- Identify tasks in which the numerical techniques learned are applicable and apply them to write programs, and hence use computers effectively to solve the task.

### Syllabus

#### UNIT - I: Introduction:

Introduction Character set, Identifiers and Keywords, Variables, Displaying variables, Reading Variables, Character and Character String, Qualifiers, Type define Statements, Value initialized variables, Constants, Constant Qualifier, Operators and Expressions, Operator Precedence and Associativity, Basic input output: Single Character I/O, General Outputs, Types of Characters in format string, Scanf with specifiers, Searchset Arrangements and Suppression Character, Format Specifiers for scanf.

#### UNIT - II: Control Structures & Functions:

**Control Structure:** if-statement, if-else statement, multiple decisions, nested if statements, switch statement, for-loop, while-loop, do-while loop, break statement, continue statement, goto statement.  
**Functions:** The main function, functions accepting more than one parameter, User defined and library functions, Concept associatively with functions, function parameter, Return value, recursion comparisons of iteration and recursion variable length argument list.

#### UNIT - III: Arrays & Pointers:

Scope and Extent, Arrays, Strings, Multidimensional Arrays, Strings, Array of Strings, Function in String, Pointers: Definition and use of pointer, address operator, pointer variable, referencing pointer, void pointers, pointer arithmetic, pointer to pointer, pointer and arrays, passing arrays to functions, pointer and functions, accessing array inside functions, pointers and two dimensional arrays, array of pointers, pointers constants, pointer and strings.

#### UNIT - IV: Structure and Union:

Declaring and using Structure, Structure initialization, Structure within Structure, Operations on Structures, Array of Structure, Array within Structure, Creating user defined data type, pointer to Structure and function. Union, difference between Union and Structure, Operations on Union, Scope of Union.

#### UNIT - V: Dynamic Memory Allocation and File Handling:

**Dynamic Memory Allocation:** Library functions for Dynamic memory allocation, Dynamic Multi-Dimensional arrays.

**File Handling:** - Introduction, Structure, File handling, Functions file types, Un-buffered and buffered file, Error handling.

#### Recommended Books:

1. Let Us C
2. Programming in C

- Yashwant Kanetkar.  
- E. Balagurusamy



  
प्राचार्य  
विप कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.४)



# FUNDAMENTALS OF COMPUTERS

## Subject Code - PGDCA-101

### Course Outcomes

- Bridge the fundamental concepts of computers with the present level of knowledge of the students.
- Student will come to know about different input and output devices.
- Understand the basics of digital computer along with different storage unit.
- Familiarize operating systems, programming languages, peripheral devices, networking, multimedia and internet
- Understand different types of software .

### Syllabus

#### UNIT - I Introduction to Computers

**Computer system:** characteristics and capabilities. **Computer Hardware and Software:** Block Diagram of a Computer, Different Data Processing: Data, Data Processing System, Storing Data, Processing Data. **Types of Computers:** Analogue, Digital, Hybrid, General and Special Purpose Computers. **Generation of Computers.**

#### UNIT - II Computer Peripherals

**Introduction to Input Devices:** Categorizing Input Hardware, Keyboard, Direct Entry – Card Readers, Scanning Devices – O.M.R., Character Readers, Thumb Scanner, MICR, Smart Cards, Voice Input Devices, Pointing Devices – Mouse, Light Pen, Touch Screen. **Computer Output:** Output Fundamentals, Hardcopy Output Devices, Impact Printers, Non-Impact Printers, Plotters, Computer output Microfilm/Microfiche (COM) systems, Softcopy Output Devices, Cathode Ray Tube, Flat Screen Technologies, Projectors, Speakers.

#### UNIT - III Basic Components & Storage

**Central Processing Unit:** The Microprocessor, control unit, A.L.U., Registers, Buses, Main Memory, Main Memory (RAM) for microcomputers, Read Only Memory(ROM). **Storage Devices:** Storage Fundamentals, Primary and Secondary Storage, Data Storage and Retrieval Methods – Sequential, Direct & Indexed Sequential, Tape Storage and Retrieval Methods Tape storage Devices, characteristics and limitations, Direct access Storage and Microcomputers - Hard Disks, Disk Cartridges, Direct Access Storage Devices for large Computer systems, Mass storage systems and Optical Disks, CD ROM.

#### UNIT - IV Computer Software & Languages

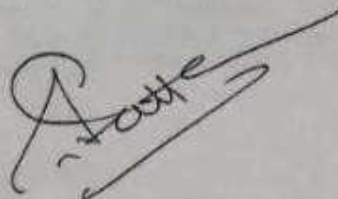
**System Software:** System software Vs. Application Software, Types of System Software, Introduction and Types of Operating Systems. Boot Loader, Diagnostic Programs, BIOS, Utility Programs. **Application Software:** Microcomputer Software, Interacting with the System, Trends in PC software, Types of Application Software, Difference between Program and Packages. **Computer Languages:** Definition, Generations of computer languages, Types of Languages, Language Processors: Assembler, Interpreter, Compiler.

#### UNIT - V: Operating System and Linux

Introduction, Uses of OS, Functions of OS, Booting process, Types of Reboot, Booting from different OS, Types of OS, DOS, Windows, Linux Open source Software concept and evolution of Linux; Features of Multi-User Operating System; Structure of Linux OS; Security Features of Linux, File System, Directory Structure and related commands. Linux Editors & editor commands, Linux commands cd, md, rm, mv, cp, ls, cat, find, grep.

#### Books Recommended:

1. Computer Fundamentals, P. K. Sinha, BPB Publications, Sixth Edition.
2. Introduction to Information Technology, V. Rajaraman, PHI, Second Edition.
3. Operating System Concepts, Silberchartz, Galvin and Gagne, Wiley India Edition
4. Unix Concepts and Applications, Sumitabha Das, McGraw hill



प्रो. व. क. सिन्हा  
विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.उ.)

# OFFICE AUTOMATION

## Subject Code - PGDCA-102

### Course Outcomes

- After completion of the course,
- Students would be able to documents, spreadsheets, make small Presentations and would be acquainted with internet.
  - Student will come to know about database creation and about creation of journal, ledger, trial balance of transaction in tally software.
  - This subject helps in understanding the basics of office automation task.

### Syllabus

#### UNIT - I Using Office with MS-Word

Introduction to word processing software and it's features, Creating new document, Saving documents, Opening and printing documents. **Home Tab:** Setting fonts, Paragraph settings, various styles (Normal, No spacing, Heading1, Heading2, Title, Strong), Find & replace, Format painter, Copy paste and paste special. **Insert Tab:** Pages, Tables, pictures, clipart, shapes, header & footer, word art, equation and symbols. **Page Layout Tab:** Page setup, page Background, Paragraph (indent and spacing). **Mailing Tab:** Create envelopes and Labels, Mail merge. **Review Tab:** Spelling and grammar check, New comment, Protect document, **View Tab:** Document views, Zoom, Window (New window, Split, Switch window).

#### UNIT - II Working with MS-Excel

Introducing Excel, Use of excel sheet, Creating new sheet, Saving, Opening, and printing workbook. **Home Tab:** Font, Alignment, Number, Styles and cells and editing, Conditional Formatting. **Insert Tab:** Table, Charts (column chart, Pie chart, Bar chart, Line chart) and Texts (header & footer, word art, signature line). **Page Layout Tab :** Page setup options, Scale to fit(width, height, scale). **Formulas Tab :** Autosum (sum, average, min, max), logical(IF, and ,or ,not ,true, false), Math & trig (sin, cos, tan, ceiling, floor, fact, mod, log), watch window. **Data Tab:** Get external data from MS Access, Sort and filter options , Data validation, Group and ungroup. **Review Tab:** Protect sheet, Protect workbook, Share workbook. **View Tab:** Page breaks, Page layout, Freezing panes, Split and hide.

#### UNIT - III Working with MS-PowerPoint

Introducing power point, Use of power point presentation, Creating new slides saving, Opening and printing. **Home Tab:** New slide, Layout, Reset, Delete, Setting text direction, Align text, Convert to smart art, Drawing options. **Insert Tab:** Table, picture, clipart, photo album, smart art, shapes and chart, movie and sound, hyperlink and action, text box , word art, object. **Design Tab:** Page setup options, slide orientation, applying various themes, selecting background style and formatting it. **Animations Tab:** Custom animation for entrance, exit and emphasis, applying slide transition, setting transition speed and sound, animation on rehears timing. **Slide show & view Tab:** Start slid show options, setup options. **View tab:** Presentation views, colours and window option.

#### UNIT - IV Working with MS-Access

Front end and back end of application, Introduction to DBMS, Features of DBMS, Creating blank databases, saving it in accdb format. Defining data types in ms access. **Home Tab:** Datasheet view, design view, pivot chart view, pivot table view, sort and filter options. **Create Tab:** Creating tables, Creating reports, Query wizard. **External Data Tab:** importing data from access and excel sheet, exporting data to excel and ms word. **Datasheet Tab:** Relationships, Fields and columns options, Data type and formatting options.

#### UNIT - V Working with MS-Publisher

Getting Started with Microsoft Publisher : Navigate the Interface , Customize the Publisher Interface, Create a Publication. Adding Content to a Publication: Add Text to a Publication, Add Pages and Picture Placeholders, Control the Display of Content in Text Boxes, Apply Building Blocks to a Publication. Formatting Text & Paragraphs in a Publication: Format Text, Format Paragraphs, Apply Schemes. Managing Text in a Publication: Edit Text in a Publication, Work with Tables, Insert Symbols and Special Characters. Working with Graphics in a Publication: Insert Graphics in a Publication, Customize the Appearance of Pictures. Preparing a Publication for Sharing and Printing: Check the Design of a Publication, Save a Publication in Different Formats, Print a Publication, Share a Publication



प्राचार्य  
विद्य कला वाणिज्य एवं शारिरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C.G.)

POST GRADUATE DIPLOMA IN COMPUTER APPLICATION 2022-2023  
[DURATION – ONE YEAR – FULL TIME]

SCHEME OF TEACHING AND EXAMINATIONS  
P.G.D.C.A. (Post Graduate Diploma in Computer Applications)

**FIRST SEMESTER**

Subject Code	SUBJECTS	Teaching Load Per Week			Examination Marks							
					Max. Marks				Min. Marks			
		L	T	P	Th	Ses	Pr	Total	Th	Ses	Pr	Total
PGDCA101	Fundamentals of Computers	3	2	–	80	20	–	100	20	13	–	33
PGDCA102	Office Automation	3	2	–	80	20	–	100	20	13	–	33
PGDCA103	Programming in C	3	2	–	80	20	–	100	20	13	–	33
PGDCA104	Practical based on PGDCA-102	–	–	3x2	–	–	100	100	–	–	40	40
PGDCA105	Practical based on PGDCA-103	–	–	3x2	–	–	100	100	–	–	40	40
	<b>TOTAL</b>	<b>9</b>	<b>6</b>	<b>12</b>	<b>240</b>	<b>60</b>	<b>200</b>	<b>500</b>	<b>60</b>	<b>39</b>	<b>80</b>	<b>179</b>









प्राचार्य  
विप्र कला वाणिज्य एवं शारिरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.उ.)



2022-24

SCHEME OF EXAMINATION FOR SESSION 2022-2024					
SCHOOL OF STUDIES IN PHYSICAL EDUCATION PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR MPed (Semester I to IV)					
July - December					
First Semester	Paper	Title of Paper	Credit	Marks	
				External	(Internal) **
	I	Professional Preparation and curriculum designs	4	80	20
	II	Test Measurement and evaluation in Physical Education	4	80	20
	III	Exercise physiology	4	80	20
	IV	Management of physical education	4	80	20
	P-1	Practical Officiating in Sports/Games	4	100	100
		<b>Total</b>		<b>600</b>	

January - June					
Second Semester	Paper	Title of Paper	Credit	External	Internal
	I	Training methods	4	80	20
	II	Biomechanics	4	80	20
	III	Statistics and Computer	4	80	20
	IV	Research Process	4	80	20
	P-I	Practical - Performance Testing	4	100	100
		<b>Total</b>		<b>600</b>	






प्राचार्य

विद्यया कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.उ.)



छत्तीसगढ़ युवा विकास समूहन शिक्षण समिति द्वारा संबालित  
(राज्य शिक्षा विभाग से सम्बन्ध प्राप्त एवं व. त्रिविक्रम शूल विश्वविद्यालय से स्थायी सम्बन्ध)  
**विप्र कला वाणिज्य एवं शारीरिक शिक्षा महाविद्यालय**

विश्वविद्यालय परिसर में राजू, इमर जालाब, रायपुर (छ.ग.)

E-Mail vipracollege1996@gmail.com

Visit on- www.vipracollege.org

पंजीन नं- 17961

Phone No. 9466087000

2017-2018

विप्र शारीरिक शिक्षा

Sl. No.	Name of Student	Roll No.	Grade	Score	Remarks
1	Pradyumn Singh	01	AB	25/30	fail
2	Pradyumn Singh	02	AB	20/30	fail
3	Pradyumn Singh	03	AB	20	fail
4	Pradyumn Singh	04	AB	03	fail
5	Pradyumn Singh	05	AB	08	fail
6	Pradyumn Singh	06	AB	08	fail
7	Pradyumn Singh	07	AB	08	fail
8	Pradyumn Singh	08	AB	08	fail
9	Pradyumn Singh	09	AB	08	fail
10	Pradyumn Singh	10	AB	08	fail
11	Pradyumn Singh	11	AB	08	fail
12	Pradyumn Singh	12	AB	08	fail
13	Pradyumn Singh	13	AB	08	fail
14	Pradyumn Singh	14	AB	08	fail
15	Pradyumn Singh	15	AB	08	fail

*(Signature)*  
प्राचार्य

विप्र कला वाणिज्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)



छत्तीसगढ़ युवा विकास संगठन शिक्षण समिति द्वारा संचालित  
 (यस्य शिक्षण विभाग से मान्यता प्राप्त एवं व. त्रिविक्रम भूक्त विश्वविद्यालय से स्वीकृत संस्थान)  
**विप्र कला वाणिज्य एवं शारीरिक शिक्षा महाविद्यालय**

विश्वविद्यालय परिसर में बाजू, इमर खालाब, रायपुर (छ.ग.)

E-Mail vipracollege1996@gmail.com

Visit on- www.vipracollege.org

पंजीयन नं- 17961

Phone No. 9406082000

2018-2019

**Attendance Form**

No.	Name	Roll No.	Section
1	Mishra I		
2	Singh J		
3	Mishra K		
4	Mishra L		
5	Sharma M		
6	Sharma N		
7	Sharma O		
8	Sharma P		
9	Sharma Q		
10	Sharma R		
11	Sharma S		
12	Sharma T		
13	Sharma U		
14	Sharma V		
15	Sharma W		
16	Sharma X		
17	Sharma Y		
18	Sharma Z		

**Vipra College Raipur (C.G.)**

**विप्र कला**  
 विभाग (C.G.)  
 रायपुर (छ.ग.)

सहपाठक/सहपाठिका का नाम \_\_\_\_\_  
 पता \_\_\_\_\_  
 मोबा. नं. \_\_\_\_\_  
 ईमेल \_\_\_\_\_  
 सहायक प्रिंसिपल का नाम \_\_\_\_\_  
 पता \_\_\_\_\_  
 मोबा. नं. \_\_\_\_\_  
 ईमेल \_\_\_\_\_

Sl. No.	Name	Roll No.	Section	Present	Absent	Remarks
1	Mishra I					
2	Singh J					
3	Mishra K					
4	Mishra L					
5	Sharma M					
6	Sharma N					
7	Sharma O					
8	Sharma P					
9	Sharma Q					
10	Sharma R					
11	Sharma S					
12	Sharma T					
13	Sharma U					
14	Sharma V					
15	Sharma W					
16	Sharma X					
17	Sharma Y					
18	Sharma Z					

*(Signature)*

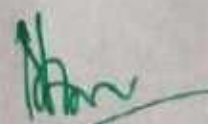
पाठ्याय  
 विप्र कला वाणिज्य एवं शारीरिक शिक्षा  
 महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)







2019-2020

Sl. No.	Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50									
1	101	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300

FIRST TERM				SECOND TERM			
No.	Subject	Total	Marks obtained	No.	Subject	Total	Marks obtained
1.	Maths I	30	12	1.			
2.	Maths II			2.			
3.	Maths III	30	13	3.			
4.	Physics I	30	5	4.			
5.	Physics II	30	4	5.			
6.	Hindi			6.			
7.	English	30	14	7.			
8.	Computer S/W	30	16	8.			
9.	Computer H/W			9.			
Total		180	64	Total			
Result		Percentage 35.5%		Result		Percentage	
Grade		Attendance 97%		Grade		Attendance	
Other activities				Other activities			
Remarks				Remarks			
Class teacher		Parents		Class teacher		Parents	
Principal				Principal			



  
 प्राचार्य  
 विप्र कला वाणिज्य एवं शारदिक शिक्षा  
 महाविद्यालय, जी.ई. रोड रायपुर (छ.ब.)

-  Introduction to C
-  Identifiers in C
-  C program
-  First C program
-  First C program
-  Hello World 1 & 2

### Assignment 1

1. Introduction of C language with history & ...


Posted Oct 11 2020, 10:40 AM UTC+5:30  
 Everyone has to submit the assignment by 25 OCT 2020  
 Every assignment has a small fee, which your instructor must not be charged

29 Turned in  
 19 Assignments

View all assignments

Sl. No.	Student Name	Grade	Submitted	Score	Max Score	Percentage	Comments
1	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...
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Sl. No.	Student Name	Grade	Submitted	Score	Max Score	Percentage	Comments
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 प्राचार्य

विद्यया कला वाणिज्य एव शारिरिक शिक्षा  
 महाविद्यालय, जी.ई. रोड रायपुर (उ.प्र.)

2021-2022






BCA/BSC ASSIGNMENT


  
**Yash Deshpande**
  
 1st Year
   
 BCA/BSC/SEM-1
   
 2021-2022

Question 1 - Write a program to calculate the area of a triangle.

Question 2 - Write a program to calculate the perimeter of a rectangle.

Question 3 - Write a program to calculate the volume of a cylinder.


 Screenshot 1: `area_30220108_148150.jpg`

 Screenshot 2: `area_30220108_144415.jpg`
  

 Screenshot 3: `area_30220108_144812.jpg`

Sl. No.	Name	Roll No.	Grade	Percentage
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**BCA-1**

Sl. No.	Name	Roll No.	Grade	Percentage	Signature
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*(Handwritten Signature)*

प्राचार्य  
 विप कला वाणिज्य एवं शारिरिक शिक्षा  
 महाविद्यालय, जी.ई. रोड रायपुर (छ.४)

विद्यया महाविद्यालय (छ.ग.) आंतरिक मूल्यांकन

परीक्षा

विषय: विद्यया विभाग

कक्षा: 10

दिनांक: 10/10/2020

समय: 30 मिनट

प्रश्न संख्या: 1

प्रश्न: Digital Computer का क्या अर्थ है? इसके अर्थ को स्पष्ट करें।

उत्तर: Digital Computer एक ऐसा यंत्र है जो डिजिटल डेटा को संभालता है। यह बिना किसी त्रुटि के गणना करता है।

प्रश्न: Analog Computer का क्या अर्थ है? इसके अर्थ को स्पष्ट करें।

उत्तर: Analog Computer एक ऐसा यंत्र है जो निरंतर मानों को संभालता है। यह गणना करने में त्रुटि का कारण बन सकता है।

Diagram of Digital Computer: A box containing the text "Digital Computer".

Diagram of Analog Computer: A box containing a sine wave graph.



*(Handwritten Signature)*

प्राचार्य

विद्यया कक्षा प्राचार्य एवं शारीरिक शिक्षा  
महाविद्यालय, जी.ई. रोड रायपुर (छ.ग.)