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पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़)



पाठ्यक्रम

बी.एस.सी. भाग-1 (कोड-301)

B. Sc. Part - I (Code - 301)

परीक्षा : 2016-17

कुलसचिव पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) की ओर से

Part - I

SYLLABUS FOR ENVIRONMENTAL STUDIES AND HUMAN RIGHTS

(Paper code-0828)

MM. 75

इन्वार्मेंटल साईसेस के पाठ्यक्रम को स्नातक स्तर भाग-एक की कक्षाओं में विश्वविद्यालय अनुदान आयोग के निर्देशानुसार अनिवार्य रूप से शिक्षा सत्र 2003-2004 (परीक्षा 2004) से प्रभावशील किया गया है। स्वशासी महाविद्यालयों द्वारा भी अनिवार्य रूप से अंगीकृत किया जाएगा।

भाग 1, 2 एवं 3 में से किसी भी वर्ष में पर्यावरण प्रश्न-पत्र उत्तीर्ण करना अनिवार्य है। तभी उपाधि प्रदाय योग्य होगी।

पाठ्यक्रम 100 अंकों का होगा, जिसमें से 75 अंक सैद्धांतिक प्रश्नों पर होंगे एवं 25 अंक क्षेत्रीय कार्य (Field Work) पर्यावरण पर होंगे।

सैद्धांतिक प्रश्नों पर अंक - 75 (सभी प्रश्न इकाई आधार पर रहेंगे जिसमें विकल्प रहेगा)

- | | | |
|----------------------|---|--------|
| (अ) लघु प्रश्नोंत्तर | — | 25 अंक |
| (ब) निबंधात्मक | — | 50 अंक |

Field Work - 25 अंकों का मूल्यांकन आंतरिक मूल्यांकन पद्धति से कर विश्वविद्यालय को प्रेषित किया जावेगा। अभिलेखों की प्रायोगिक उत्तर पुस्तिकाओं के समान संबंधित महाविद्यालयों द्वारा सुरक्षित रखेंगे।

उपरोक्त पाठ्यक्रम से संबंधित परीक्षा का आयोजन वार्षिक परीक्षा के साथ किया जाएगा।

पर्यावरण विज्ञान विषय अनिवार्य विषय है, जिसमें अनुत्तीर्ण होने पर स्नातक स्तर भाग-एक के छात्र/छात्राओं को एक अन्य विषय के साथ पूरक की पात्रता होगी। पर्यावरण विज्ञान के


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सैद्धांतिक एवं फील्ड वर्क के संयुक्त रूप से 33% (तैंतीस प्रतिशत) अंक उत्तीर्ण होने के लिए अनिवार्य होंगे।

स्नातक स्तर भाग-एक के समस्त नियमित/भूतपूर्व/अमहाविद्यालयीन छात्र/छात्राओं को अपना फील्ड वर्क सैद्धांतिक परीक्षा की समाप्ति के पश्चात् 10 (दस) दिनों के भीतर संबंधित महाविद्यालय/परीक्षा केन्द्र में जमा करेंगे एवं महाविद्यालय के प्राचार्य/केन्द्र अधीक्षक, परीक्षकों की नियुक्ति के लिए अधिकृत रहेंगे तथा फील्ड वर्क जमा होने के सात दिनों के भीतर प्राप्त अंक विश्वविद्यालय को भेजेंगे।

UNIT-I THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, Scope and Importance

Natural Resources:

Renewable and Nonrenewable Resources

- (a) Forest resources: Use and over-exploitation, deforestation, Timber extraction, mining, dams and their effects on forests and tribal people and relevant forest Act.
- (b) Water resources: Use and over-utilization of surface and ground water, floods drought, conflicts over water, dams benefits and problems and relevant Act.
- (c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
- (d) food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging , salinity.
- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources.
- (f) Land resources: Land as a resource, land degradation, man induced landslides soil erosion and desertification.

(12 Lecture)

UNIT-II ECOSYSTEM

(a) Concept, Structure and Function of and ecosystem

- Producers, consumers and decomposers.
- Energy flow in the ecosystem


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- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristics Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.

(b) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity
- Bio-geographical classification of India.
- Value of biodiversity: Consumptive use, productive use, social ethics, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as mega-diversity nation.
- Hot spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

(12 Lecture)

UNIT- III

(a) Causes, effect and control measures of

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management : floods, earthquake, cyclone and landslides.

(12 Lecture)

(b) Environmental Management

- From Unsustainable to sustainable development.
- Urban problems related to energy.


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- Water conservation, rain water harvesting, watershed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Wasteland reclamation
- Environment protection Act: Issues involved in enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.

UNIT- IV

General background and historical perspective- Historical development and concept of Human Rights, Meaning and definition of Human Rights, Kind and Classification of Human Rights.

Protection of Human Rights under the UNO Charter, protection of Human Rights under the Universal Declaration of Human Rights, 1948.

Convention on the Elimination of all forms of Discrimination against women.

Convention on the Rights of the Child, 1989.

UNIT- V


Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution of India, Directive Principles of State policy under the Constitution of India, Enforcement of Human Rights in India.

Protection of Human Rights under the Human Rights Act, 1993- National Human Rights Commission, State Human Rights Commission and Human Rights court in India.

Fundamental Duties under the Constitution of India.

Reference/ Books Recommended

1. SK Kapoor- Human rights under International Law and Indian Law.
2. HO Agrawal- Internation Law and Human Rights
3. एस.के. कपूर – मानव अधिकार
4. जे.एन. पान्डेय – भारत का संविधान
5. एम.डी. चतुर्वेदी – भारत का संविधान
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10. Clark R.S. Marine pollution, Clanderson press Oxford (TB)
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13. Down to Earth, Center for Science and Environment (R)
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15. Hawkins R.E. Encyclopedia of Indian Natural History, Bombay Natural History Society, Mumbai (R)
16. Heywood, V.H. & Watson, T.T.1995 Global Biodiversity Assessment, Cambridge Univ. Press 1140p
17. Jadhav H. & Bhosale, V.H. 1995 Environmental Protection and Law. Himalaya pub. House, Delhi 284p
18. Mckinney M.L.& School R.M.1996, environmental Science systems & solutions, web enhanced edition, 639p
19. Mhadkar A.K. Matter Hazardous, Techno-Science publication(TB)
20. Miller T.G.Jr. Environment Science, Wadsworth publication co. (TB)
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23. Sharma B.K. 2001, Environmental chemistry, Goel pub. House, Meerut
24. Survey of the Environment, The Hidu(M)
25. Townsend C. Harper J. And Michael Begon, Essentials of Ecology, Blackwell Science(TB)
26. Trivedi R.K.Handbook of Environment Laws, Rules, Guidlines, Compliances and Standards, Vol land II, Environment Media(R)
27. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science publication (TB)
28. Wanger K.D.1998, Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p


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पाठ्यक्रम

बी.ए.-1 (कोड-101) B. A.-1 (Code-101)

बी.ए. क्लासिक्स-1 (कोड-061) B.A. CLASSICS-1 (Code-061)

परीक्षा : 2016-17

कुलसचिव पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) की ओर से

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B.A.-Part-I


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REVISED ORDINANCE NO.11


(As per State U.G.C. Scheme)

BACHELOR OF ARTS

1. The three year course have been broken up in to three Parts.
Part-I Examination : at the end of the first year.
Part-II Examination : at the end of the second year and
Part-III Examination : at the end of the third year.
2. A candidate who after passing (10+2) or intermediate examination of C.G. Board of Secondary Education, C.G. or any other examination recognised by the University or C.G. Board of Secondary Education as equivalent thereto, has attended a regular course of study in an affiliated college or in the Teaching Department of the University for one academic year shall be eligible for appearing at the B.A. Part-I examination.
3. A candidate who after passing B.A. Part-I examination of the University or any other examination recognised by the University as equivalent thereto has attended a regular course of study for one academic year in an affiliated college or in the Teaching Department of the University shall be eligible for appearing at the B.A. Part II Examination.
4. A candidate who after passing B.A. Part II examination of the University has completed a regular course of study for one academic year in an affiliated college or in the Teaching Department of the University shall be eligible for appearing at the B.A. Part-III examination.
5. Besides regular students, subject to their compliance with this ordinance, ex-students and non-collegiate candidates shall be eligible for admission to the examination as per provisions of Ordinance N. 6 relating to Examinations (General). Provided that non-collegiate candidates shall be permitted to offer only such subjects/papers as are taught to the regular students at any of the University Teaching Department or College.
6. Every candidate for the Bachelor of arts examination shall be examined in :
 - A. Foundation Course :
 - i. Group A - Hindi Language
 - ii. Group B - English Language
 - B. Three course subjects : One subject from any three group out of the followings six groups :
 1. Sociology / Ancient Indian History / Anthropology
 2. Political Science/Home Science / Drawing & Painting / Vocational Course.
 3. Hindi Literature/ Sanskrit Literature/Urdu Literature/ Mathematics.
 4. Economics/Music/ Defence Studies/ Linguistics / नृत्य.


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5. Philosophy/Psychology/ Geography/ Education/ Management.
6. History/English Literature/ Statistics.
7. Practicals (If Necessary) for each core subject.
7. Any candidate who has passed the B.A. examination of the University shall be allowed to present himself for examination in any of additional subjects prescribed for the B.A. examination and not taken by him at the degree examination. Such candidate will have to first appear and pass the B.A. Part I examination in the subject which he proposes to offer and then the B.A. Part II and Part III examination in the same subject. Successful candidate will be given a certificate to that effect.
8. In order to pass at any part of the three year degree course examination, an examinee must obtain not less than 33% of the total marks in each subject/group of subjects. In subject/group of subjects, where both theory and practical examination are provided, an examinee must pass in both theory and practical parts of the examination separately.
9. Candidate will have to pass separately at the Part-I, Part II and part-III examination. No division shall be assigned on the result of the Part-I and Part-II examination. In determining the division of the Final examination, total marks obtained by the examinees, in their Part-I, Part-II and Part-III examination in the aggregate shall be taken into account. Candidate will not be allowed to change subjects after passing Part I Examination.
Provided in case of candidate who has passed the examination through the supplementary examination having failed in one subject only the total aggregate marks being carried over for determining the division shall include the actual marks obtained in the subject in which he appeared at the supplementary examination.
10. Successful examinees at the Part-III examination obtaining 60% or more marks shall be placed in the First division, those obtaining less than 60% but not less than 45% marks in the Second division and other successful examinees in the third division.


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Subject		SCHEME OF EXAMINATION		Paper	Max. Marks	Min. Marks
A.	Environmental Studies				75	33
	Field Work				25	
	Foundation Course					
B.	Hindi Language - I					26
	English Language - II					
	Three Core Subject :					
	1. Hindi Literature				75	
					75	
	2. Sanskrit Literature		I		75	
			I		75	
	3. English Literature		I		75	
			I		75	
	4. Philosophy		I		75	
			I		75	
	5. Economics		I		75	
			I		75	50
	6. Political Science		I		75	
			I		75	
	7. History		I		75	
			I		75	
	8. Ancient Indian History		I		75	
	Culture & Archaeology		I		75	
	9. Sociology		I		75	
			I		75	
	10. Geography		I		75	
			I		50	
			I		50	
			Practical		50	17
	11. Mathematics		I		50	
			I		50	
			III		50	
			I		50	
			I		50	33
	12. Statistics				50	
			Practical		50	

B.A. -Part-I

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Subject	Paper	Max. Marks	Min. Marks
13. Anthropology	I	50	
	I	50	33
14. Linguistics	Practical	50	17
	I	75	
15. Music	I	75	50
	I	50	
	I	50	33
16. Home Science	Practical	50	17
	I	50	
	I	50	33
17. Education	Practical	50	17
	I	75	
	I	75	50
18. Psychology	I	50	
	I	50	33
	Practical	50	17
19. Management	I	75	
	I	75	50
20. Defence Studies	I	50	
	I	50	33
	Practical	50	17
21. Urdu	I	75	
	I	75	50
22. Dance	I	50	
	I	50	33
	Practical	50	17

USE OF CALCULATORS

The Students of Degree/P.G. Classes will be permitted to use of Calculators in the examination hall from annual 1986 examination on the following conditions as per decision of the standing committee of the Academic Council at its meeting held on 31-1-1986-

1. Student will bring their own Calculators.
2. Calculators will not be provided either by the university or examination centres.
3. Calculators with, memory and following variables be permitted +, -, x, ., square, reciprocal, expotentials log, square root, trigonometric functions, wize, sine, cosine, tangent etc. factiorial summation, xy, yx and in the light of objective approval of merits and demerits of the viva only will be allowed.

Part - I

SYLLABUS FOR ENVIRONMENTAL STUDIES AND HUMAN RIGHTS

(Paper code-0828)

MM. 75

इन्वारमेंटल साइंसेस के पाठ्यक्रम को स्नातक स्तर भाग-एक की कक्षाओं में विश्वविद्यालय अनुदान आयोग के निर्देशानुसार अनिवार्य रूप से शिक्षा सत्र 2003-2004 (परीक्षा 2004) से प्रभावशील किया गया है। स्वशासी महाविद्यालयों द्वारा भी अनिवार्य रूप से अंगीकृत किया जाएगा।

भाग 1, 2 एवं 3 में से किसी भी वर्ष में पर्यावरण प्रश्न-पत्र उत्तीर्ण करना अनिवार्य है। तभी उपाधि प्रदाय योग्य होगी।

पाठ्यक्रम 100 अंकों का होगा, जिसमें से 75 अंक सैद्धांतिक प्रश्नों पर होंगे एवं 25 अंक क्षेत्रीय कार्य (Field Work) पर्यावरण पर होंगे।

सैद्धांतिक प्रश्नों पर अंक - 75 (सभी प्रश्न इकाई आधार पर रहेंगे जिसमें विकल्प रहेगा)

(अ) लघु प्रश्नोंत्तर - 25 अंक

(ब) निबंधात्मक - 50 अंक

Field Work - 25 अंकों का मूल्यांकन आंतरिक मूल्यांकन पद्धति से कर विश्वविद्यालय को प्रेषित किया जावेगा। अभिलेखों की प्रायोगिक उत्तर पुस्तिकाओं के समान संबंधित महाविद्यालयों द्वारा सुरक्षित रखेंगे।

उपरोक्त पाठ्यक्रम से संबंधित परीक्षा का आयोजन वार्षिक परीक्षा के साथ किया जाएगा।

पर्यावरण विज्ञान विषय अनिवार्य विषय है, जिसमें अनुत्तीर्ण होने पर स्नातक स्तर भाग-एक के छात्र/छात्राओं को एक अन्य विषय के साथ पूरक की पात्रता होगी। पर्यावरण विज्ञान के


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स्नातक स्तर भाग-एक के समस्त नियमित/भूतपूर्व/अमहाविद्यालयीन छात्र/छात्राओं को अपना फील्ड वर्क सैद्धांतिक परीक्षा की समाप्ति के पश्चात् 10 (दस) दिनों के भीतर संबंधित महाविद्यालय/परीक्षा केन्द्र में जमा करेंगे एवं महाविद्यालय के प्राचार्य/केन्द्र अधिकक, परीक्षकों की नियुक्ति के लिए अधिकृत रहेंगे तथा फील्ड वर्क जमा होने के सात दिनों के भीतर प्राप्त अंक विश्वविद्यालय को भेजेंगे।

UNIT-I THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, Scope and Importance

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(12 Lecture)

UNIT-II ECOSYSTEM

(a) Concept, Structure and Function of and ecosystem

- Producers, consumers and decomposers.
- Energy flow in the ecosystem


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- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristics Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.

(b) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity
- Bio-geographical classification of India.
- Value of biodiversity: Consumptive use, productive use, social ethics, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as mega-diversity nation.
- Hot spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

(12 Lecture)

UNIT- III

(a) Causes, effect and control measures of

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management : floods, earthquake, cyclone and landslides.

(12 Lecture)

(b) Environmental Management

- From Unsustainable to sustainable development.
- Urban problems related to energy.


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- Water conservation, rain water harvesting, watershed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Wasteland reclamation
- Environment protection Act: Issues involved in enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.

UNIT- IV

General background and historical perspective- Historical development and concept of Human Rights, Meaning and definition of Human Rights, Kind and Classification of Human Rights.

Protection of Human Rights under the UNO Charter, protection of Human Rights under the Universal Declaration of Human Rights, 1948.

Convention on the Elimination of all forms of Discrimination against women.

Convention on the Rights of the Child, 1989.

UNIT- V

Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution of India, Directive Principles of State policy under the Constitution of India, Enforcement of Human Rights in India.

Protection of Human Rights under the Human Rights Act, 1993- National Human Rights Commission, State Human Rights Commission and Human Rights court in India.


Fundamental Duties under the Constitution of India.

Reference/ Books Recommended

1. SK Kapoor- Human rights under International Law and Indian Law.
2. HO Agrawal- Internation Law and Human Rights
3. एस.के. कपूर – मानव अधिकार
4. जे.एन. पान्डेय – भारत का संविधान
5. एम.डी. चतुर्वेदी – भारत का संविधान
6. J.N.Pandey - Constitutional Law of India
7. Agarwal K.C. 2001 Environmental Biology, Nidi pub. Ltd. Bikaner


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8. Bharucha Erach, the Biodiversity of India, Mapin pub. Ltd. Ahmedabad 380013, India, Email: mapin@icenet.net(R)
9. Bruinner R.C. 1989, Hazardous Waste Incineration. McGraw Hill Inc.480p
10. Clark R.S. Marine pollution, Clanderson press Oxford (TB)
11. Cuningham, W.P.Cooper. T.H.Gorhani, E & Hepworth. M.T,200
12. Dr. A.K.- Environmental Chemistry. Wiley Eastern Ltd.
13. Down to Earth, Center for Science and Environment (R)
14. Gloick, H.P. 1993 Water in crisis. pacific institute for studies in Deve. Environment & Security. Stockholm Eng. Institute. Oxford University, Press. m 473p.
15. Hawkins R.E. Encyclopedia of Indian Natural History, Bombay Natural History Society, Mumbai (R)
16. Heywood, V.H. & Watson, T.T.1995 Global Biodiversity Assessment, Cambridge Univ. Press 1140p
17. Jadhav H. & Bhosale, V.H. 1995 Environmental Protection and Law. Himalaya pub. House, Delhi 284p
18. Mckinney M.L.& School R.M.1996, environmental Science systems & solutions, web enhanced edition, 639p
19. Mhadkar A.K. Matter Hazardous, Techno-Science publication(TB)
20. Miller T.G.Jr. Environment Science, Wadsworth publication co. (TB)
21. Odum E.P.1971, Fundamentals of Ecology, W.B. Saunders Co. USA,574p
22. Rao M.N. & Datta, A.K. 1987, Waste water treatment. Oxford & IBH pub.co.pvt. Ltd 345p
23. Sharma B.K. 2001, Environmental chemistry, Goel pub. House, Meerut
24. Survey of the Environment, The Hidu(M)
25. Townsend C. Harper J. And Michael Begon, Essentials of Ecology, Blackwell Science(TB)
26. Trivedi R.K.Handbook of Environment Laws, Rules, Guidlines, Compliances and Standards, Vol land II, Environment Media(R)
27. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science publication (TB)
28. Wanger K.D.1998, Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p


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पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़)



पाठ्यक्रम

बी.ए.-3 (कोड-103) B. A. -3 (Code-103)

बी.ए. क्लासिक्स-3 (कोड-053) B.A. CLASSICS-3 (Code-053)

परीक्षा : 2016-17

कुलसचिव पं. रविशंकर शुक्ल विश्वविद्यालय
रायपुर (छत्तीसगढ़) की ओर से

GEOGRAPHY

1. The B.A. Part III Examination in Geography will be of 150 marks. There will be two theory papers and one practical each of 50 marks as follows :
 Paper - I Resource and Environment
 Paper - II Geography of India (with special reference to Chhattisgarh)
 Paper - III Practical Geography
2. Each theory paper shall be of three hours' duration.
3. Candidates will be required to pass separately in theory and practical examinations.
4. Each theory paper is divided into five units.
5. (a) In the practical examination the following shall be allotment of time and marks.

i. Lab work	-	20 marks	up to three hours
ii. Survey	-	10 marks	Two hours
iii. Field Report	-	10 marks	
iv. Practical Record and viva-voce	-	10 marks	
- (b) The external and internal examiners shall jointly submit marks.
- (c) The candidates shall present at the time of the practical examination their practical records regularly signed by the teachers concerned.

PAPER - I

RESOURCES AND ENVIRONMENT

M.M. 50

(Paper Code-0248)

A. Resources

- UNIT-I** Meaning, nature and components of resources and environment. Resources and environment interface. Classification of resources : renewable and nonrenewable : biotic (forests, wild-life, live-stock, fisheries, agricultural crops) and abiotic (land, water, mineral)
- UNIT-II** Distribution and utilization of water mineral and energy resources, their economic and environmental significance and conservation. Types and distribution of forests, fauna and fisheries, their economic, and environmental significance and conservation. Major soil types and their distribution; problems of soil erosion and soil conservation.
- UNIT-III** Number, density, growth and distribution of population; population pressure and resource utilization.

B. Environment

- UNIT-IV** Classification of environment : Natural and Human. Man environment interrelations with respect to population size, types of economy and technology; exploitation of natural resources and environmental hazards.
- UNIT-V** Emerging environmental issues - population explosion; food security; deforestation; global warming, conservation of bio-diversity; sustainable development.

PAPER - II

GEOGRAPHY OF INDIA

M.M. 50

(With Special reference to Chhattisgarh)

(Paper Code-0249)

- UNIT-I** Physical features : Structure, Relief and Physiographic regions, Drainage, Climate-origin and mechanism of monsoon, and regional and seasonal variation.

- UNIT-II** Natural resources : Soils - types, their distribution and characteristics. Water resources (major irrigation and hydel power projects); Forests-types, distribution, economic significance and conservation. Mineral and Power resources-Iron-ore, Manganese, Copper, Coal, Petroleum and Natural gas, Non conventional sources of energy.
- UNIT-III** Cultural Features : Agriculture - Major crops, impact of green revolution and agricultural regions; Industries - Iron and steel, Cotton Textile, Cement, Sugar, Population - growth, density and distribution. Transport, Foreign Trade.
- UNIT-IV** Chhattisgarh :
Physical Features : Structure, Physiography, Drainage, Climate, Soils, Natural vegetation, Water resources - availability and development. Mineral and Power resources, Power projects.
- UNIT-V** Chhattisgarh :
Cultural features : Agriculture, Industries, Population - growth, distribution and density, social groups, literacy and sex-ratio, urbanisation. Major tribes-their habitat, economy and society. Transport and Tourism.

SUGGESTED READING :

1. Sharma, T.C. and Coutinho, O. : Economic and Commercial Geography of India, Vikas Pub. House, New Delhi, 1988.
2. Singh, R.L. (Ed.) : India : A regional Geography, Nat. Geog. Soc. of India, Varanasi, 1971.
3. Spate, O.H.K. and Learmonth, A.T.A. India and Pakistan : A General and Regional Geography, Methuen & Co. Ltd. London, 1967.
4. Tiwari, R.C. : Geography of India, Prayag Pustak Bhawan. Allhabad, 2003.
5. प्रमीला कुमार (सम्पादक) : मध्यप्रदेश का प्रादेशिक भूगोल, म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल
6. अग्रवाल, प्रेमचंद : भारत का भौतिक भूगोल

PAPER - III

PRACTICAL GEOGRAPHY

M.M. 50

- UNIT-I** Band graph, Hythergraph and Climograph. Square root, cube-root and vernier scales.
- UNIT-II** Map Projection : Conical Projection : one standard parallel, two standard parallels, Bonne's, Ployconic, Polar Zenithal Projections; Gnomonic, Stereographic and Orthographic.
- UNIT-III** Study and Interpretation of Indian topographical sheets : classification and numbering system, Interpretation of topographical sheets with respect to cultural and physical features.
- UNIT-IV** Surveying - Plane Table Survey, Basic Principles of plane table surveying, Plane table survey including intersection and resection.
- UNIT-V** Importance of field work in Geography. Field work and field report : physical, social and economic survey of a micro-region.


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5

PSYCHOLOGY

Paper	Name of the Paper	Max. Marks	Duration
I	Basic Psychological Processes	50	3 hrs.
II	Psychopathology	50	3 hrs.
III	Practical	50	4 Hrs.

PAPER - I

BASIC PSYCHOLOGICAL PROCESSES (Paper Code-0119)

M.M. 50

This Paper consists of 5 units.

From each unit a minimum of two questions would be set and candidates would be required to attempt one from each unit.

- UNIT-1** Introduction - Definition and goals of psychology; behaviouristic, cognitive and humanistic; cross-cultural perspective; Methods : Experimental, observation, interview, questionnaire and case study.
- UNIT-2** Biological bases of Behaviours : Genes and Behaviour, the nervous System : C.N.S., A.N.S. and peripheral Nervous system; Glands and Hormones, Emotions : Expression and control.
- UNIT-3** Sensory Perceptual Processes - Nature and types of sensation and Perception; Attentional Processes : Definition, types and determinants; Principles of Perceptual organisation; Thinking process : Nature and types.
- UNIT-4** Learning and Memory : Classical and Operant conditioning - Basic Processes ; verbal and observational learning; memory : Sensory, S-T.M., L.T.M. Forgetting : Process and theories.
- UNIT-5** Cognitive and non cognitive processes : Intelligence : Nature and types; motivation : Biogenic and Sociogenic motives; Personality : nature and determinants, Approaches to study personality : trait and types, Assessment of Personality.

BASIC BOOKS :

1. सामान्य मनोविज्ञान - अरूण कुमार सिंह, बनारसीदास प्रकाशन
2. प्रीति वर्मा - आधुनिक सामान्य मनोविज्ञान
3. Balon R.A., Barne D.A. - Understanding behaviour Tokyo Holt Sounders
4. Zimbardo P.G. & Walser AL 1997 - Psychology New York Haper Collings college publishers
5. Lefton, L. A. 1985 - Psychology Bosten-Allyn & Baron

PAPER II

PSYCHOPATHOLOGY (Paper Code-0120)

M.M. 50

This paper consists of 5 units.

From each unit a minimum of two questions would be set and candidates would be required to attempt one from each unit.

- UNIT-1** Introduction : The concept of normality and abnormality; Models of Psychopathology : Psychodynamic, Behavioral and cognitive.
- UNIT-2** Assessment of Psychopathology :- Diagnostic tests, Rating scales, clinical interview, projective tests.
- UNIT-3** Anxiety Disorders : Panic disorder, Phobias, obsessive compulsive disorder, anxiety disorder, Dissociative disorder.

B.A.-Part-I

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UNIT-4 Mood and personality disorders - Mania = depressive episode, paranoia, schizoid, Dependent Personality, Dysphoria, identity.

UNIT-5 Management of Psychopathology : Stress management; Medication and Psychosocial therapy : Shock therapy, Psychoanalysis, Group therapy and Behaviour therapy.

BOOKS =

1. Lamm, A. (1997) = Lamm, A (1997) Introduction to psychopathology, Sage, N.Y.
2. Buss, A. H. (1999) = Psychopathology N. Y. John Wiley
3. लाभ सिंह तथा तिवारी = असामान्य मनोविज्ञान = आगरा विनोद पुस्तक भण्डार
4. कपिल एच.के. = असामान्य मनोविज्ञान = हरप्रसाद भार्गव, आगरा

PAPER - III PRACTICALS

Note : This paper consists of two parts :

M.M. 50

- (a) Comprises of laboratory Experiments.
- (b) Comprises of Psychological testing and understanding of self and others.
- (c) Experiments = (any five of the following) :-
 - (i) Effect of set on perception
 - (ii) Effect of frustration on performance.
 - (iii) Division of Attention.
 - (iv) Learning curve/Serial position curve.
 - (v) Retroactive inhibition.
 - (vi) S.T.M.
 - (vii) Concept formation.
 - (viii) Judgement of emotions through facial expressions.
- (d) Psychological testing and understanding of self and others (any four of the following tests and maintenance of anecdotal records)
 - (i) Verbal/nonverbal intelligence test/performance tests.
 - (ii) E.P.T.
 - (iii) Depression Scale
 - (iv) Achievement motivation.
 - (v) Anxiety test.
 - (vi) Adjustment inventory.
 - (vii) Stress tolerance test.

Anecdotal record : Each Student will be required to observe behaviour of pupil in different setting and select an anecdote to understand, judge and narrate it as objectively as possible, so as to reveal his/her psychological insight existing in that anecdotal behaviour. This record constitutes a part of psychological assessment of the students. Introduction to measures of central tendency data in ungrouped Graphical presentation of data.

DISTRIBUTION OF MARKS

- | | | |
|---|--------------------------------------------------------|------------|
| A | Conduction of psychological experiment and reporting | - 15 marks |
| B | Administration of one psychological test and reporting | - 15 marks |
| C | Evaluation of Practical notebook and Anecdotal record | - 10 marks |
| D | Viva - Voce | - 10 marks |

Note : No candidate will be allowed to appear in the practical examination unless his/her day to day practical work and the report are found satisfactory.

SCHEME OF EXAMINATION 2018-2019

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
TOTAL		780	312	220	88			
GRAND TOTAL (PAPER + INTERNAL)		1000 (A+C)		400 (B+D)				

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

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20. WAP, which support the TCP/IP protocol, where client gives the message and server will receive the message.
21. WAP to illustrate the use of all methods of URL class.
22. WAP for JDBC to insert the values into the existing table by using prepared Statement.
23. WAP for JDBC to display the records from the existing table.
24. WAP to demonstrate the Border Layout using applet.
25. WAP for Applet who generate the MouseMotionListener Event.
26. WAP for display the checkboxes, Labels and TextFields on an AWT.
27. WAP to calculate the Area of various geometrical figures using the abstract class.
28. WAP for creating a file and to store data into that file. (Using the FileWriter/OutputStream)
29. WAP to read file and display its content using FILEINPUTSTREAM & RANDOMACCESSFILE
30. WAP accepting 2 inputs as a source and target file name and writes the content from the source to target.
31. WAP to display your file in DOS console use the Input/Output Stream.
32. WAP to create an Applet using the HTML file, where Parameter Pass for font Size and Font type and Applet message will change to corresponding parameters.

PRACTICAL WORK

BCA III

BCA-308 Project

1. **Scheme of Examination:- The Project should be done by individual student.**

Practical examination will be of 3 hours duration. The distribution of practical marks will be as follows

Software Demonstration	-	40
Project Report (Hard Copy + Soft Copy)	-	20
Project Demonstration/Presentation	-	20
Project Viva	-	20
Total	-	100

2. **Format of the student project report on completion of the project**

- Cover page as per format
- Certificate of Approval
- Certificate of project guide/Center Manager
- Certificate of the company/Organization
- Certificate of Evaluation
- Declaration / Self Certificate
- Acknowledgement

In the "Acknowledgement" page, the writer recognizes his /her indebtedness for guidance and assistance of the thesis/report adviser and other members of the faculty. Courtesy demands that he/she also recognize specific contributions by other persons or institutions such as libraries and research foundations. Acknowledgements should be expressed simply, tastefully, and tactfully.

- Synopsis of the project
- Main Report
 - ✓ Objectives & Scope of the project
 - ✓ Theoretical Background of Project
 - ✓ Definition of problem
 - ✓ System Analysis & Design

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- ✓ System Planning (PERT Chart)
- ✓ Methodology adopted, system Implementation & Detail of Hardware & Software used
- ✓ System maintenance & Evaluation
- ✓ Cost and benefit Analysis
- ✓ Detailed Life Cycle of the project
 - ERD, DFD
 - Input and Output Screen Design
 - Process involved
 - Methodology used for testing
 - Test Report, Printout of the code sheet
- ✓ User/Operational Manual- including security aspects, access rights, back up, Controls etc.
- ✓ Conclusion
- ✓ References
- ✓ Soft copy of the project on CD

Formats of various certificates and formatting styles are as:

1. Project report Cover Format:

A
Project Report
On

Title of the Project Report

(Times New Roman, Italic, Font Size=24)

Submitted in partial fulfillment of the requirements for the award of degree

Bachelor of Computer Application

From

Pt. Ravishankar Shukla University Raipur (C.G.)

(Bookman Old Style, 16 Point, Center)

Year : xxxx

Logo of college

Guide
(Guide Name)

Submitted by:
(Student's Name)
Roll No:

Submitted to
(College Name)

Pt. Ravishankar Shukla University Raipur (C.G.)

2. Certificate of Approval by Head of the Department in letter head

CERTIFICATE OF APPROVAL

This is to certify that the Project work entitled " _____ " is carried out by Mr/Ms/Mrs _____, a student of BCA – III year at (College Name) is hereby approved as a credible work in the discipline of Computer Science & Information Technology for the award of degree of Bachelor of Computer Application during the year _____ from Pt. Ravishankar Shukla University, Raipur (CG).

[Signature]
12/09/18

[Signature]
12/9/18

[Signature]
12-09-18
Principal

(Head Name)

[Signature]
12/9/18

[Signature]
12-09-18

B.C.S. Govt. P.G. College
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CERTIFICATE

This is to certify that the Project work entitled " _____ " Submitted to the (College Name) by Mr/Ms/Mrs _____ Roll No _____, in partial fulfillment for the requirements relating to nature and standard of the award of Bachelor of Computer Application degree by , Pt. Ravishankar Shukla University, Raipur (CG) for the academic year 20__ - 20__.

This project work has been carried out under my guidance.

(Guide Name)

9. Certificate of the Company or Organisation from where the Project is done from the Project Manager or Project guide.

10. Certificate of evaluation in the department letter head
CERTIFICATE OF EVALUATION

This is to certify that the Project work entitled " _____ " is carried out by Mr/Ms/Mrs _____, a student of BCA - III year at (College Name), after proper evaluation and examination, is hereby approved as a credible work in the discipline of Computer Science & Information Technology and is done in a satisfactory manner for its acceptance as a requisite for the award of degree of Bachelor of Computer Application during the year _____ from Pt. Ravishankar Shukla University, Raipur (CG).

Internal Examiner

External Examiner

11. Declaration of Student / Self Certificate
DECLARATION

This to certify that the project report entitled " _____ ", which is submitted by me in the partial fulfillment for the award of the degree of Bachelor of Computer Application, (College Name), comprises the original work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full for the award of any other degree or diploma in this Institute or any other Institute or University.

Place :
Date :

(Name)
(Roll No)

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12/9/18

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UNIT-IV Introduction to MIS & Other Subsystem-

Evolution of MIS, Need of MIS, Definition & Benefits of MIS, Characteristic, Role component of Information system, data base as a future of MIS, Decision making, logic of Management Information system. Structure of MIS.

UNIT-V Information System Concept -

Difference between Transaction Processing. System (TPS) and Management Information System, How MIS works, MIS and Information Resource Management, Quality information Building Blocks for the information system, information system concept, Other system characteristic (Open & Closed System), difference between MIS & Strategic System, Adaptive system, Business function information system.

BOOK REFERENCE :

1. System Analysis and Design - Elias M. Awad.
2. System Analysis and Design - Alan Dennis & Barbara Haley Wixom.
3. Management Information systems - C.S.V. Murthy, Himalaya Publication House.

PAPER - III

PRACTICAL EXERCISES BASED ON PAPER I & II

Practicals to be done -

1. At least 20 practical - exercises covering the contents of paper - I (e.g. Designing calculator, sorting of elements, Generating Fibonacci series)
2. Design the Project on one of the following - Application Software / Website Design/ Accounting software / Inventory control System / System Software & other (e.g. Library Management System, Medical management, Stock Management, Hotel Management, Website for your institute / Website of any Organization)
3. The Project Report cover the following topic - Objective, Hardware & Software Requirements, Analysis, Design, Coding, input forms, testing, Reports, Future enhancement of s/w.
4. Practical exam is based on the Project Demonstration & report.


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SCHEME OF EXAMINATION 2019-2020

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	Part I- Calculus & Geometry	50			-	2	-	-
	Part II-Differential Equation & Fourier Series	50	60	-	-	2	-	-
	Part III- Computer System Architect	50		-	-	2	-	-
BCA302	Java	100	40	50	30	4	2	-
BCA303	Operating System	100	40	50	30	4	2	-
BCA304	Software Engineering	100	40	50	30	4	2	-
BCA305	A. MULTIMEDIA TOOLS AND APPLICATIONS	50	20	-	-	2	2	-
	B. Practical based on course 305A	50	20	-	-	-	-	2x2
BCA306	A. Financial Management & Accountancy	50	40	-	-	2	-	-
	B. Foundation Course	50		-	-	2	-	-
BCA307	Practical Based on Course-302	100	50	-	-	-	-	3x2
BCA308	Project	100	50	-	-	-	-	1x2
TOTAL		850	360	150	90			
GRAND TOTAL	(PAPER + INTERNAL)	(A+C) 1000		(B+D) 450				

* Minimum passing marks in subject BCA301 is 40% of total marks 150(i.e. Total of Part I + Part II + Part III marks of BCA301)

Principals
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M.A./M. Sc. GEOGRAPHY
SEMESTER IV (2018-19)

M.A./M.Sc. Geography Semester IV shall consist the following papers:

S. No.	Paper	Title	M. M.		
			Written	Int. Ass.	Total
1.	XVI	Health of Geography <i>Geography of Health</i>	80	20	100
2.	XVII	Agricultural Geography	80	20	100
3.	XVIII (A)	Geographical Information System	80	20	100
	OR				
4.	XVIII (B)	Environmental Geography	80	20	100
	XIX	Field Work (Physical and Socio-Economic)	---	---	100
5.	XX	Practical-IV: Geographical Information System and Quantitative Techniques	---	---	100

- The M.A./M.Sc. Semester IV examination in Geography shall consist of 500 marks. There shall be three theory papers and one Field Work report each of 100 marks and one practical of 100 marks as follows.

S. No.	Paper	Title
1.	XVI	Health of Geography <i>Geography of Health</i>
2.	XVII	Agricultural Geography
3.	XVIII (A)	Geographical Information System
	OR	
	XVIII (B)	Environmental Geography
4.	XIX	Field Work (Physical and Socio-Economic)
5.	XX	Practical-IV: Geographical Information system and Quantitative Techniques

- The theory papers shall be of three hours duration.
- Candidates will be required to pass separately in theory and practical examinations.
- Candidates will be required to submit their Field Report in three copies in hard

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bound at least one hundred pages for Valuation.

(a) In the practical examination the following shall be the allotment of time and marks.

- | | |
|----------------------------------|-----|
| (i) Practical record | 20% |
| (ii) Lab work (up to Four hours) | 70% |
| (iii) Viva on i. & ii. above | 10% |

(b) The external and internal examiners shall jointly submit marks.

(c) All the candidates shall present at the time of the practical examination their practical record regularly signed by the teachers concerned.

PAPER XVI (2018-19)

GEOGRAPHY OF HEALTH

- UNIT – I Nature, scope and significance of Health Geography, Development, specialization and relation with other science. Geographical factors effecting human health and diseases; Physical factors, Social factors, Economics factors and Environmental factors.
- UNIT – II Disease Ecology and epidemiology, Basis of Classification of disease; genetic, biological, occupational and deficiency diseases, International Classification of diseases (ICD); Communicable and non-communicable diseases, WHO Classification of diseases, pattern of world distribution of major diseases, transmission of major diseases: cholera, malaria, tuberculosis, hepatitis, leprosy, cardiovascular, Asthma, fever, jaundice, arthritis, diabetic, BP, eye disease, anemia, Mental Disease, Cancer, AIDS and STDS. Diffusion and Causes of diseases. disease differential by seasons.
- UNIT – III Nutrition and deficiency disease: Food stuffs and their nutritional contents and human requirements, concept of balanced Diet, hunger and malnutrition. Deficiency disorders and problems of malnutrition in India. Changing pattern of food habits in India and originates new health problem, regional distribution of food habits in India.
- UNIT – IV Health Care Planning: Role of Health Programmes in the eradication of various diseases, their preventive and promotive aspects. International level; WHO, UNICEF, Red Cross, National Level; Government and NGOs, Health care planning and polices; availability, accessibility and utilization of health care services, Primary Health Care (PHC); spatial inequalities in health care services in India, Family Welfare, immunization, Reproductive Child health programmes, AIDS/HIV control programme, Health Care Delivery Systems, Allopathic, Ayurvedic and Traditional health card systems of India.

SUGGESTED READINGS:

1. Banerjee, B. and Hazra J. : Geo-Ecology of Cholera in West Bengal, University Calcutta, Calcutta 1980.
2. Cliff, A and Haggett, P.: Atlas of Disease Distribution. Basil Blackwell, Oxford, 1989.
3. Digby, A, and Stewart. L. (eds.) : Gender, Health and Welfare. Routledge, New York 1996.
4. Hazra, J. (ed.) Health Care Planning in Developing Countries. University of Calcutta, Calcutta 1996.
5. Learmonth A.T.A. : Patterns of Disease and Hunger. A Study in Medical Geography David & Charles, Victoria. 1978
6. May, J.M. Studies in disease Ecology. Hafner Pub., New York, 1961.
7. May. J.M. Ecology of Human Disease. M.D. Pub. New York 1959.
8. May, J.M. : The World Atlas of Diseases, Nat. Book Trust, New Delhi, 1970.

6

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			
I. Hindi Language		75	26
II. English Language		75	26
B. Three Compulsory Groups			
Group-I			
I. Financial Accounting	75	150	50
II. Business Communication	75		
Group-II			
I. Business Mathematics	75	150	50
II. Business Reg. Framework	75		
Group-III			
I. Business Environment	75	150	50
II. Business Economics	75		


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Part - I

SYLLABUS FOR ENVIRONMENTAL STUDIES AND HUMAN RIGHTS

(Paper code-0828)

MM. 75

इन्वार्मेंटल साईंसेस के पाठ्यक्रम को स्नातक स्तर भाग-एक की कक्षाओं में विश्वविद्यालय अनुदान आयोग के निर्देशानुसार अनिवार्य रूप से शिक्षा सत्र 2003-2004 (परीक्षा 2004) से प्रभावशील किया गया है। स्वशासी महाविद्यालयों द्वारा भी अनिवार्य रूप से अंगीकृत किया जाएगा।

भाग 1, 2 एवं 3 में से किसी भी वर्ष में पर्यावरण प्रश्न-पत्र उत्तीर्ण करना अनिवार्य है। तभी उपाधि प्रदाय योग्य होगी।

पाठ्यक्रम 100 अंकों का होगा, जिसमें से 75 अंक सैद्धांतिक प्रश्नों पर होंगे एवं 25 अंक क्षेत्रीय कार्य (Field Work) पर्यावरण पर होंगे।

सैद्धांतिक प्रश्नों पर अंक - 75 (सभी प्रश्न इकाई आधार पर रहेंगे जिसमें विकल्प रहेगा)

(अ) लघु प्रश्नोंत्तर - 25 अंक

(ब) निबंधात्मक - 50 अंक

Field Work - 25 अंकों का मूल्यांकन आंतरिक मूल्यांकन पद्धति से कर विश्वविद्यालय को प्रेषित किया जावेगा। अभिलेखों की प्रायोगिक उत्तर पुस्तिकाओं के समान संबंधित महाविद्यालयों द्वारा सुरक्षित रखेंगे।

उपरोक्त पाठ्यक्रम से संबंधित परीक्षा का आयोजन वार्षिक परीक्षा के साथ किया जाएगा।

पर्यावरण विज्ञान विषय अनिवार्य विषय है, जिसमें अनुत्तीर्ण होने पर स्नातक स्तर भाग-एक के छात्र/छात्राओं को एक अन्य विषय के साथ पूरक की पात्रता होगी। पर्यावरण विज्ञान के


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सैद्धांतिक एवं फील्ड वर्क के संयुक्त रूप से 33% (तैंतीस प्रतिशत) अंक उत्तीर्ण होने के लिए अनिवार्य होंगे।

स्नातक स्तर भाग-एक के समस्त नियमित/भूतपूर्व/अमहाविद्यालयीन छात्र/छात्राओं को अपना फील्ड वर्क सैद्धांतिक परीक्षा की समाप्ति के पश्चात् 10 (दस) दिनों के भीतर संबंधित महाविद्यालय/परीक्षा केन्द्र में जमा करेंगे एवं महाविद्यालय के प्राचार्य/केन्द्र अधीक्षक, परीक्षकों की नियुक्ति के लिए अधिकृत रहेंगे तथा फील्ड वर्क जमा होने के सात दिनों के भीतर प्राप्त अंक विश्वविद्यालय को भेजेंगे।

UNIT-I THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, Scope and Importance

Natural Resources:

Renewable and Nonrenewable Resources

- Forest resources: Use and over-exploitation, deforestation, Timber extraction, mining, dams and their effects on forests and tribal people and relevant forest Act.
- Water resources: Use and over-utilization of surface and ground water, floods drought, conflicts over water, dams benefits and problems and relevant Act.
- Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
- food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.
- Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources.
- Land resources: Land as a resource, land degradation, man induced landslides soil erosion and desertification.

(12 Lecture)

UNIT-II ECOSYSTEM

(a) Concept, Structure and Function of and ecosystem

- Producers, consumers and decomposers.
- Energy flow in the ecosystem



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- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristics Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.

(b) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity
- Bio-geographical classification of India.
- Value of biodiversity: Consumptive use, productive use, social ethics, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as mega-diversity nation.
- Hot spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

(12 Lecture)

UNIT- III

(a) Causes, effect and control measures of

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management : floods, earthquake, cyclone and landslides.

(12 Lecture)

(b) Environmental Management

- From Unsustainable to sustainable development.
- Urban problems related to energy.


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- Water conservation, rain water harvesting, watershed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Wasteland reclamation
- Environment protection Act: Issues involved in enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.

UNIT- IV

General background and historical perspective- Historical development and concept of Human Rights, Meaning and definition of Human Rights, Kind and Classification of Human Rights.

Protection of Human Rights under the UNO Charter, protection of Human Rights under the Universal Declaration of Human Rights, 1948.

Convention on the Elimination of all forms of Discrimination against women.

Convention on the Rights of the Child, 1989.

UNIT- V

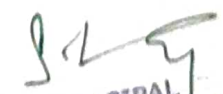
Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution of India, Directive Principles of State policy under the Constitution of India, Enforcement of Human Rights in India.

Protection of Human Rights under the Human Rights Act, 1993- National Human Rights Commission, State Human Rights Commission and Human Rights court in India.

Fundamental Duties under the Constitution of India.

Reference/ Books Recommended

1. SK Kapoor- Human rights under International Law and Indian Law.
2. HO Agrawal- Internation Law and Human Rights
3. एस.के. कपूर – मानव अधिकार
4. जे.एन. पान्डेय – भारत का संविधान
5. एम.डी. चतुर्वेदी – भारत का संविधान
6. J.N.Pandey - Constitutional Law of India
7. Agarwal K.C. 2001 Environmental Biology, Nidi pub. Ltd. Bikaner


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M. A. Political Science
Semester-I and Semester-II

PAPER	SEMESTER-I	MARKS		SEMESTER-II	MARKS	
		Theo ry	Inter nal		Theo ry	Inter nal
I	भारतीय राजनीतिक चिंतन (Indian Political Thought)	80	20	पाश्चात्य राजनीतिक चिंतन (Western Political Thought)	80	20
II	भारतीय शासन एवं राजनीति (Indian Govt. and Politics)	80	20	भारत के राज्यों की राजनीति (Politics of State in India)	80	20
III	तुलनात्मक राजनीति (Comparative Politics)	80	20	विकासशील देशों की तुलनात्मक राजनीति (Comparative Politics in Developing Countries)	80	20
IV	अंतर्राष्ट्रीय संगठन (International Organization)	80	20	भारत की विदेश नीति (Indian Foreign Policy)	80	20
Total = 400				Total = 400		

M. A. Political Science
Semester III and M.A. Semester IV

PAPER	SEMESTER-III	MARKS		SEMESTER-IV	MARKS	
		Theo ry	Inter nal		Theo ry	Inter nal
I	अंतर्राष्ट्रीय राजनीति के सिद्धांत (Principles of International Politics)	80	20	अंतर्राष्ट्रीय राजनीति के समकालीन मुद्दे (Contemporary issues of International Politics)	80	20
II	लोक प्रशासन भाग-I (Public Administration Part-I)	80	20	लोक प्रशासन भाग-II (Public Administration Part-II)	80	20
III	शोध प्रविधि भाग-I (Research Methodology Part-I)	80	20	शोध प्रविधि भाग-II (Research Methodology Part-II)	80	20
IV	छत्तीसगढ़ का शासन एवं राजनीति (Govt. and Politics of Chhattisgarh)	80	20	छत्तीसगढ़ का राजनीतिक इतिहास (Political History of Chhattisgarh)	80	20
Total = 400				Project work VIVA-Voc	50 50	
				Total = 500		


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विधिवानुसारी -

1. उपर्युक्त समस्त प्रश्नपत्र अनिवार्य होंगे।
2. प्रत्येक प्रश्नपत्र में (सभी सेमेस्टर में) सैद्धान्तिक परीक्षा में 80 पूर्णांक होगा और 20 अंकों का आन्तरिक मूल्यांकन होगा। इस प्रकार सभी प्रश्नपत्र में पूर्णांक 100 होगा।
3. प्रत्येक प्रश्नपत्र में आन्तरिक मूल्यांकन की दो परीक्षाएं होंगी जिसके सर्वोच्च अंक विश्वविद्यालय को प्रेषित किए जाएंगे।
4. प्रथम, द्वितीय और तृतीय सेमेस्टर में पूर्णांक 400 होगा। चतुर्थ सेमेस्टर में पूर्णांक 500 होगा।
5. एम. ए. चतुर्थ सेमेस्टर में 100 अंकों की मौखिक परीक्षा होगी जिसमें 50 अंक परियोजना कार्य पर होंगे और 50 अंकों की मौखिक परीक्षा होगी।
6. परियोजना कार्य कौशल विकास, रोजगार मुखी एवं मतदान व्यवहार, ग्रामीण विकास, देश के महापुरुष, प्रमुख राजनीतिज्ञ, राष्ट्रपति, प्रधानमंत्री, छत्तीसगढ़ की राजनीति और शासन व्यवस्था पर आधारित होगा।
7. इस प्रकार एम.ए. राजनीति विज्ञान में कुल पूर्णांक 1700 होगा।
8. प्रत्येक प्रश्नपत्र 4 इकाइयों में विभाजित होगा।
9. सत्र 2016-17 में तृतीय एवं चतुर्थ सेमेस्टर की परीक्षा देने वाले विद्यार्थी इसी नये पाठ्यक्रम का अनुकरण करेंगे।


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SCHEME OF TEACHING AND EXAMINATIONS 2014-2015
P.G.D.C.A. (Post Graduate Diploma in Computer Applications)

SECOND SEMESTER

Subject Code	SUBJECTS	Teaching Load Per Week			Credit $L+(T+P)/2$	Examination Marks					
						Max. Marks			Min. Marks		
		L	T	P		Th	Pr	Total	Th	Pr	Total
PGDCA106	GUI - Programming in Visual Basic	3	2	-	4	100	-	100	20	-	20
PGDCA107	Database Management System	3	2	-	4	100	-	100	20	-	20
PGDCA108	Essentials of E-Commerce & HTML	3	2	-	4	100	-	100	20	-	20
PGDCA109	Practical based on PGDCA106, PGDCA107 & PGDCA108			3 x 2	3	-	100	100	-	20	20

SCHEME OF TEACHING AND EXAMINATIONS 2014-2015
P.G.D.C.A. (Post Graduate Diploma in Computer Applications)

FIRST SEMESTER

Subject Code	SUBJECTS	Teaching Load Per Week			Credit L+ (T+P)/2	Examination Marks					
		L	T	P		Max. Marks			Min. Marks		
						Th	Pr	Total	Th	Pr	Total
PGDCA101	Introduction to software organization	3	2	-	4	100	-	100	20	-	20
PGDCA102	Programming in "C"	3	2	-	4	100	-	100	20	-	20
PGDCA103	Office Automation & Tally	3	2	-	4	100	-	100	20	-	20
PGDCA104	Practical based on PGDCA-103			3 x 2	3	-	100	100	-	20	20
PGDCA105	Practical based on PGDCA-102			3 x 2	3	-	100	100	-	20	20
	TOTAL	9	6	12	18	300	200	500	60	40	100


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- Synopsis of the project
- Main Report
 - ✓ Objectives & Scope of the project
 - ✓ Theoretical Background of Project
 - ✓ Definition of problem
 - ✓ System Analysis & Design
 - ✓ System Planning (PERT Chart)
 - ✓ Methodology adopted, system Implementation & Detail of Hardware & Software used
 - ✓ System maintenance & Evaluation
 - ✓ Cost and benefit Analysis
 - ✓ Detailed Life Cycle of the project
 - ERD,DFD
 - Input and Output Screen Design
 - Process involved
 - Methodology used for testing
 - Test Report, Printout of the code sheet
 - ✓ User/Operational Manual- including security aspects, access rights, back up, Controls etc.
 - ✓ Conclusion
 - ✓ References
 - ✓ Soft copy of the project on CD

Formats of various certificates and formatting styles are as:

1. Project report Cover Format:


A
Project Report
 On
Title of the Project Report
 (Times New Roman,Italic, Font Size=24)
 Submitted in partial fulfillment of the requirements for the award of degree
Post Graduate Diploma in Computer Application
 From
 Pt.Ravishankar Shukla University Raipur (C.G.)
 (Bookman Old Style, 16 Point, Center)
 Year : xxxx

Logo of college

Guide
(Guide Name)

Submitted by:
(Student's Name)
Roll No:

Submitted to
(College Name)
Pt.Ravishankar Shukla University Raipur (C.G.)

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 B.C.S. Gout. P.G. College
 Raipur (C.G.)

- d. Get detail of students who took admission in Bhilai colleges.
 e. Calculate the total amount of fees collected in this session
 i) by your college ii) by each college iii) by all colleges
10. Enrollment (enrollno, name, gender, DOB, address, phone)
 Admission (admno, enrollno, course, yearsem, date, cname)
 Colleges (cname, city, address, phone, afdate)
 FeeStructure (course, yearsem, fee)
 Payment (billno, admno, amount, pdate, purpose)
- a. List the students who have not payed full fee
 i) in your college ii) in all colleges
 b. List the number of admissions in your class in every year.
 c. List the students in the session who are not in the colleges in the same city as they live in.
 d. List the students in colleges in your city and also live in your city.
11. Subjects (paperid, subject, paper, papename)
 Test (paperid, date, time, max, min)
 Score (rollno, paperid, marks, attendance)
 Students (admno, rollno, class, yearsem)
- a. Create the above tables with the given specifications and constraints.
 b. Insert about 10 rows as are appropriate to solve the following queries.
 c. List the students who were present in a paper of a subject.
 d. List all roll numbers who have passed in first division.
 e. List all students in MCA-II who have scored higher than average
 i) in your college ii) in every college
 f. List the highest score, average and minimum score in MCA-II
 in your college ii) in every college

List of Practical of HTML

At least 10 practical of HTML & Web Designing

PGDCA-110 : Project

1. Scheme of Examination:- The Project should be done by individual student.

Practical examination will be of 3 hours duration. The distribution of practical marks will be as follows

Software Demonstration	-	40
Project Report (Hard Copy + Soft Copy)	-	20
Project Demonstration/Presentation	-	20
Project Viva	-	20
Total	-	100

2. Format of the student project report on completion of the project

- Cover page as per format
- Certificate of Approval
- Certificate of project guide/Center Manager
- Certificate of the company/Organization
- Certificate of Evaluation
- Declaration / Self Certificate
- Acknowledgement

In the "Acknowledgement" page, the writer recognizes his /her indebtedness for guidance and assistance of the thesis/report adviser and other members of the faculty. Courtesy demands that he/she also recognize specific contributions by other persons or institutions such as libraries and research foundations. Acknowledgements should be expressed simply, tastefully, and tactfully.

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Dhantari (C.G.)

Dhantari (C.G.)

DECLARATION

This to certify that the project report entitled " _____ " which is submitted by me in the partial fulfillment for the award of the degree of **Post Graduate Diploma in Computer Application, (College Name)**, comprises the original work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full for the award of any other degree or diploma in this Institute or any other Institute or University.

Place :

Date :

(Name)

(Roll No)



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