



Govt. V.Y.T. PG Autonomous College, Durg
(Chhattisgarh)

(GEOGRAPHY DEPARTMENT)

Semester	Core	Elective Discipline	Generic Elective GEC (4)	Ability Enhancement Course	Skill Enhancement Course	Internship/ Project	Value Added Courses	Total Credits
1	Discipline A1 - (4)							
	1. Geomorphology- (3)		1. Geomorphology- (3)	Choose 1 from pool of AEC Hindi Language+ English Language(2)	Choose 1 from pool of SEC (2)		Personality Development OR Sports	22
	2. Cartographic Techniques (Practical)-(1)		2. Cartographic Techniques (Practical)-(1)		1. Field Techniques, Surveying And Research Methods 2. Fundamentals of Remote sensing 3. Thematic Atlas			
	Discipline B1-(4)							
	Discipline C1-(4)							
2	Discipline A2-1.(4)			Choose 1 from pool of AEC Hindi Language+ English Language(2)	Choose 1 from pool of SEC (2)		Personality Development OR Sports	22
	Human Geography - (3)				1. Field Techniques ,Surveying And Research Methods 2. Fundamentals of Remote sensing 3. Thematic Atlas			
	2. Statistical Methods - (1)							
	Discipline B2-(4)							
	Discipline C2-(4)							

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GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG

Dept. of Geography

Session – 2022-23

Approved syllabus for B.A by the members of Board of Studies for the session 2022-23

The syllabus with the paper combinations is as under

B.A / B.Sc. I & II SEM.

B.A / B.Sc. I SEM Core papers Geography (Credit: 04 Each)	B.A / B.Sc. II SEM Core papers Geography (Credit: 04 Each)
BGE101 : Geomorphology (3)	BGE201 : Human Geography (3)
PaperII: Practical Geography (1)	PaperII: Practical Geography(1)
GEC (Credit: 04 Each)	
Geomorphology (3) Practical Geography (1)	
 Skill Enhancement : (Credit : 02 each) 1. BGESE01 : Field Techniques Surveying And Research Methods OR 2. BGESE02 : Fundamentals of Remote Sensing. OR 3. BGESE03 : Thematic Atlas	

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GOVT. V.Y.T.P.G. AUTONOMOUS COLLEGE DURG

Dept. of Geography

Session – 2022-23

Syllabus and Marking Scheme for B.A/B.Sc I & II SEM.

SEM.	Core papers Geography (Credit: 04 Each)	Credit	Marks Allotted in Theory	
			Max	Min
I	BGE101 : Geomorphology	3	75	30
	Practical Geography	1	25	10
II	BGE201 : Human Geography	3	75	30
	Practical Geography	1	25	10
	Skill Enhancement : (Credit : 02 each)			
I.	BGESE01 : Field Techniques Surveying And Research Methods	1	25	10
	Practical Geography	1	25	10
II	BGESE02 : Fundamentals of Remote Sensing.	1	25	10
	Practical Geography	1	25	10
III	BGESE03 : Thematic Atlas	1	25	10
	Practical Geography	1	25	10

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B.A/B.Sc I SEM.(CORE)

Theory Papers - 75
Practical - 25
Total Marks - 100

(GEC)

Theory Papers - 75
Practical - 25
Total Marks - 100

B.A/B.Sc II SEM.

Theory Papers - 75
Practical - 25
Total Marks - 100

(GEC)

Theory Papers - 75
Practical - 25
Total Marks - 100

Skill Enhancement : (Credit : 02 each) MARKS -50

Theory Papers - 25
Practical - 25

- The syllabus for B.A I/B.Sc. I is hereby approved for the session 2022-23

Name and Signatures

	Departmental members
Chairperson /H.O.D.....	1.
Subject Expert	2.
Subject Expert.....	3.
Subject Expert	4.

I Semester Core papers Geography (Credit: 04 Each)

1. BGE 101 : GEOMORPHOLOGY (03)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the functioning of Earth systems in real time and analyze how the natural and anthropogenic operating factors affects the development of landforms
2. Distinguish between the mechanisms that control these processes
3. Assess the roles of structure, stage and time in shaping the landforms, interpret geomorphological maps and apply the knowledge in geographical research.

Course Content:

UNIT - I

Geomorphology: Meaning, Nature, Scope and Earth: Interior Structure, and land forms: Igneous, Sedimentary and

Metamorphic Rocks, Geological time scale.

UNIT - II

Earth Movements: Isostasy. Plate Tectonics, Types of Folds and Faults, Earthquakes and Volcanoes.

UNIT - III

Geomorphic Processes: Weathering, Mass Wasting, Cycle of Erosion (Davis and Penck)

UNIT - IV

Evolution of Landforms (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal.

UNIT - V

Applied geomorphology: Definition & scope of applied Geomorphology,

Hydro-Geomorphology, Urban-Geomorphology, Geomorphic Hazards & Management.


Suggested Readings

Ahmed, E.: Coastal Geomorphology of India.

2. Chorley, R. J.: Spatial Analysis in Geomorphology, Methuen, London, 1972.

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3. Cooke R.II. and Doornkamp, J.C. : Geomorphology in Environmental Management. An Introduction, Clarendon press, Oxford, 1974.
4. Dury, G.H.: The Face of the Earth, Penguin Harmondsworth 1959.
5. Fairbridge, R.W. Encyclopedia of Geomorphology, Reinholdts, New York, 1968.
6. Goudie, A.: The Nature of the Environment Oxford & Blackwell, London, 1993.
7. Garner, H.F. : The Origin of landscape- A Synthesis of Geomorphology, Oxford University Press. London, 1974.
8. Holms, A.: Principles of Physical Geology, Thomas Nelson, London.
9. Mitchell, C.W.: '1'erra. Evaluation. Longman, London, 1973.
10. Oilier, C.D. : Weathering, Longman, London, 1979.
11. Pitty, A.F.: Introduction to Geomorphology, Methuen, London, 1971.
12. Stoddart, D.R. (ed.) : Process and Form in Geomorphology, Roulldge, New York, 1996.
13. Skinner, B.J. & Porter, S.C.: The Dynamic Earth John-Wilely. New York, 1995.
14. Sparks, B.W. Geomorphology, Longman, London, 1960.
15. Sharma, H.S. (cd.): Perspective in Geomorphology, Concept, New Delhi, 1980.
16. Singh, S : Geomorphology, Prayag Publication, Allahabad, 1998.
17. Steers, J.A. : The Unstable Earth Methuen, London.
18. Thornbury, W.I.). Principles of Geomorphology, John Wiloy, New York, 1960.
19. Strahler, A.N.: Physical Geography, Willey, New York.
20. कौशिक एस डी भू आकृति विज्ञान
21. नेगी वी.एस. भू आकृति विज्ञान
22. दयाल परमेश्वर भू आकृति विज्ञान
23. यादव तथा राम सुरेश भू आकृति विज्ञान
24. सविंद्र सिंह भू आकृति विज्ञान शारदा पुस्तक भवन इलाहाबाद

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2. BGE102 : Cartographic Techniques (Practical) - (1)

Learning Outcome:

After the completion of course, the students will have ability to:

1. Read and prepare maps.
2. Comprehend locational and spatial aspects of the earth surface.
3. Use and importance of maps for regional development and decision making.

Course Content:

Scale: Statement Scale , Representative Fraction (R.F.),

Linear scale – Simple, Diagonal, Comparative, and Time Scales.

Contour: Methods of showing relief; Hachures, Contours; Representation of different landforms by contours.

Graph and Diagram: Line graph, Bar Diagram (Simple and Compound), Circle Diagram, Pie Diagram

PRACTICAL RECORD AND VIVA VOCE

Books Recommended:

1. Davis, R.E. and Foote, F.S. (1953): Surveying, 4th edition, McGraw Hill Publication, New York
2. Jones, P.A.(1968): Fieldwork in Geography, Longmans, Green and Company Ltd., First Publication, London
3. Natrajan, V. (1976): Advanced Surveying, B.I. Publications., Mumbai 5. Pugh, J.C.
- 4.. Raisz, E. (1962): General Cartography. John Wiley and Sons, New York. 5 th edition.
5. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
6. Sharma, J. P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd. edition.
7. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi,.

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II Semester Core papers Geography (Credit: 04

Each)

1. BGE201 : Human Geography (3)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Know the changing human and cultural landscape at different levels.
2. Understand patterns and processes of population growth and its implications.
3. Appreciate the nature and quality of human landscapes.

Course Content:

Unit I

Human Geography: Definition, Scope . Man - environment relationship; Determinism, Possibilism, and Probabilism; Human Development Index (HDI).

Unit II

Growth, Density and Distribution of World Population and factors influencing Spatial distribution. Migration of Population. .

Unit III

Classification of Human Races – their Characteristics and Distribution; Human adaptation to environment: Eskimos, Bushman, Pigmy, Gond.

Unit IV

Settlements – Types of Settlements (Rural and urban) Origin and Evolution of towns , patterns of urban settlements, Rural settlements:

Types and patterns , Responsible factors for the growth and development of Rural settlements . Rural problems and planning of India

Unit

Issues – Global Warming, Climate Change, Deforestation, Desertification, Air, Water and Soil Pollution.

References:

1. Chandna, R.C., (2017):Population Geography, Kalyani Publishers, New Delhi.
2. Daniel, P.A. and Hopkinson, M.F. (1989):The Geography of Settlement, Oliver & Boyd, London.
3. Hassan, M.I. (2005):Population Geography, Rawat Publications, Jaipur
4. Hussain, Majid., (2012):ManavBhugol,Rawat Publications, Jaipur.
5. Johnston, R., Gregory, D.,& Pratt, G., et al. (2008):The Dictionary of Human Geography, Blackwell Publication.
6. Jordan-Bychkov., et al., (2006):The Human Mosaic: A Thematic Introduction to Cultural Geography, W. H. Freeman and Company, New York.
7. Kaushik, S.D., (2010):ManavBhugol, Rastogi Publication, Meerut.
8. Maurya, S.D., (2012):ManavBhugol, ShardaPustakBhawan, Allahabad.
9. Rozenblat., Celine., Pumain., Denise and Velasquez., Elkin Eds. (2018): International and Transnational Perspectives on Urban Systems, Springer, Japan, pages 393.
10. Singh, R.B., Ed. (2015): Urban Development Challenges, Risk and


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2. BGE202 : Statistical Methods

(Practical) - (1)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the basics of data collection and processing for the meaningful outcomes.
2. Comprehend the representation and interpretation of the results.
3. Put into practice results obtained in representation as well as day-to-day life.

Course Content:

Statistical Technique: Mean, Median, Mode.

Quartile: Mean Deviation, Standard Deviation .

PRACTICAL RECORD AND VIVA VOCE

Books Recommended:

1. Sharma, J. P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd. edition.
2. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
3. Singh, L.R. (2006): Fundamentals of Practical Geography, Sharda Pustak Bhawan, Allahabad.
4. Alvi, Z. 1995 : Statistical Geography: Methods and Applications, Rawat Pub. New Delhi.
5. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
6. Pal, S.K. 1999 : Statistics for Geoscientists, Concept publishing Company, New Delhi

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● **Skill Enhancement : (Credit : 02 each)**

1. BGESE01 : Field Techniques Surveying And Research Methods (1)

Learning Outcomes:

After the completion of the course, the students will have the ability to:

1. Conduct field work in physical and human geography, besides investigating socio-economic and environmental issues;
2. Develop tools to collect primary data from the field and interpret them meaningfully;
3. Prepare field report with suitable tables, maps and diagrams based on the data collected from the field and secondary sources.

Course Content:

Unit 1

Field Work in Geographical Studies – Role, Value and Ethics of Field-Work; Defining

the Field and Identifying the Case Study – Rural / Urban / Physical / Human / Environmental.

Unit 2

Field Techniques – Merits, Demerits and Selection of the Appropriate Technique;

observation (Participant / Non Participant). (6 Lectures)

Unit 3

Methods of primary data collection: Questionnaires (Open/ Closed/ Structured /

Non-Structured); Schedule, Interview. (6 Lectures)

Unit 4

Space Survey (Transects and Quadrants, constructing a Sketch). (6 Lectures)

Unit 5

Designing the Field Report – Aims and Objectives, Methodology, Analysis,

Interpretation and Writing the Report.

Practical Record

1. Each student will prepare an individual report based on primary and secondary data collected during field work.
2. The duration of the field work should not exceed 10 days.
3. The word count of the report should be about 6,000 to 10,000 excluding figures, tables, photographs, maps, references and appendices.
4. Students are advised to make use of navigation satellite positioning (GNSS/GPS) during observation and its report.
5. One copy of the report on A4 size paper should be submitted in soft binding.

References:

1. Creswell, J., (1994): Research Design: Qualitative and Quantitative Approaches, Sage Publications, California.


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2. Dikshit, R. D. (2003). The Art and Science of Geography: Integrated Readings, Prentice-Hall of India, New Delhi.
3. Evans, M., (1988): "Participant Observation: The Researcher as Research Tool" in Qualitative Methods in Human Geography, Eds. J. Eyles and D. Smith, Polity, Cambridge.
4. Mukherjee, N., (1993). Participatory Rural Appraisal: Methodology and Application. Concept Pubs. Co., New Delhi.
5. Mukherjee, N., (2002). Participatory Learning and Action: with 100 Field Methods. Concept Pub. Co., New Delhi.
6. Robinson, A., (1998): "Thinking Straight and Writing That Way", in Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioural Sciences, eds. by F. Pryczak and R. Bruce Pryczak, Publishing, Los Angeles.
7. The Geographical Review (2001) Special Issue on "Doing Fieldwork" 91:1-2, John Wiley, New Jersey..
8. Stoddard, R. H., (1982): Field Techniques and Research Methods in Geography, Kendall/Hunt, Iowa.
9. Wolcott, H. (1995). The Art of Fieldwork. Alta Mira Press, California.

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2. BGESE02 : Fundamentals of Remote sensing (1)

Learning Outcomes:

After the completion of the course, the students will have the ability to:

1. Appreciate the development and uses of aerial and satellite remote sensing system and navigation satellite systems in India and other Nations.
2. Understand the basics of EMR and energy interaction in atmosphere and on earth surface features;
3. Analyse and interpret the aerial and satellite data products and GNSS/GPS survey results.

Course Content

1. Basics of Remote Sensing: definition, history, and Processes, stages.
2. Interaction with earth surface features and atmosphere; Spectral Signature.
3. Aerial photos: Types and Characteristics;
4. Remote Sensing satellites: Platforms Types.
5. Remote Sensing Applications.

References:

1. Campbell, J. B., (2007) Introduction to Remote Sensing, Guildford Press, New York.
 2. Jensen, J. R., (2004) Introductory Digital Image Processing: A Remote Sensing Perspective, Prentice Hall, New Jersey.
 3. Joseph, G. (2005) Fundamentals of Remote Sensing, Universities Press, Hyderabad.
 4. Kumar, Dilip, Singh, R.B. and Kaur, Ranjeet (2019) Spatial Information Technology for Sustainable Development Goals, Springer, Basel.
 5. Lillesand, T. M., Kiefer, R. W. and Chipman J. W., (2004) Remote Sensing and Image Interpretation, Wiley, New Jersey. (Wiley Student Edition).
- UGC DOCUMENT ON LOCF GEOGRAPHY 108
6. Nag P. and Kudra, M., (1998) Digital Remote Sensing, Concept, New Delhi.
 7. Rees, W. G., (2001) Physical Principles of Remote Sensing, Cambridge University Press, Cambridge.
 8. Singh, R. B. and Murai, S., (1998) Space-informatics for Sustainable Development, Oxford and IBH Pub, New Delhi.
 9. Wolf, P. R. and Dewitt, B. A., (2000) Elements of Photogrammetry: With Applications in GIS, McGraw-Hill, New York.

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BGESE02.1 (1)

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REMOTE SENSING

Fundamentals of EMR, Fundamentals of Aerial photography and
Recognition, Stereoscopic Vision, Digital Image
Processing, Remote Sensing Programme of India.

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**3. BGESE03 : Thematic Atlas
(1)**

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Have sound knowledge regarding the classification and elements of maps.
2. Have proper utilization of maps for the development.
3. Appreciate the preparation of various thematic maps with the application of various techniques.

Course Content:

1. Maps – Meaning, Definition, Concepts, Classification.
2. Types of Diagrammatic – Line, Bar (simple And compound) and Pie Diagram.
3. Thematic Mapping Techniques – Choropleth, Dot, Isopleths.
4. Representation of Statistical Data – Climograph, Hythergraph.

References:

1. Singh, R. L, and Dutta, P. K., (2012): Prayogatama Bhugol, Central Book Depot, Allahabad
2. Cuff, J. D. and Mattson, M. T., (1982): Thematic Maps: Their Design and Production, Methuen Young Books
3. Dent, B. D., Torguson, J. S., and Holder, T. W., (2008): Cartography: Thematic Map Design (6th Edition), McGraw Hill Higher Education 4. Gupta, K. K. and Tyagi, V. C., (1992): Working with Maps, Survey of India, DST, New Delhi.
5. Kraak, M.J. and Ormeling, F., (2003): Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
6. Mishra, R. P. and Ramesh, A., (1989): Fundamentals of Cartography, Concept, New Delhi.

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BGESE03 (1) PRACTICAL

Course Content:

Representation of Statistical data – Line, Bar (simple And copound) and Pie Diagram. Climograph,Hythergraph.

Quantitative Methods – Choropleth, Dot, Isopleths.

References:

1. Singh, R. L, and Dutta, P. K., (2012): Prayogatama Bhugol, Central Book Depot, Allahabad
2. Cuff, J. D. and Mattson, M. T., (1982): Thematic Maps: Their Design and Production, Methuen Young Books
3. Dent, B. D., Torguson, J. S., and Holder, T. W., (2008): Cartography: Thematic Map Design (6th Edition), McGraw Hill Higher Education 4. Gupta, K.
- K. and Tyagi, V. C., (1992): Working with Maps, Survey of India, DST, New Delhi.
5. Kraak, M.J. and Ormeling, F., (2003): Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
6. Mishra, R. P. and Ramesh, A., (1989): Fundamentals of Cartography, Concept, New Delhi.

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I Semester GEC papers Geography (Credit: 04 Each)

BGE 101 : GEOMORPHOLOGY (03) (GEC)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the functioning of Earth systems in real time and analyze how the natural and anthropogenic operating factors affects the development of landforms
2. Distinguish between the mechanisms that control these processes
3. Assess the roles of structure, stage and time in shaping the landforms, interpret geomorphological maps and apply the knowledge in geographical research.

Course Content:

UNIT - I

Geomorphology: Meaning, Nature, Scope and Earth: Interior Structure, and land forms: Igneous, Sedimentary and Metamorphic Rocks, Geological time scale.

UNIT – II

Earth Movements: Isostasy. Plate Tectonics, Types of Folds and Faults, Earthquakes and Volcanoes.

UNIT – III

Geomorphic Processes: Weathering, Mass Wasting, Cycle of Erosion (Davis and Penck)

UNIT – IV

Evolution of Landforms (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal.

UNIT - V

Applied geomorphology: Definition & scope of applied Geomorphology, Hydro-Geomorphology, Urban-Geomorphology, Geomorphic Hazards & Management.

Suggested Readings

1. Ahnmed, E.: Coastal Geomorphology of India.
2. Chorley, R. J.: Spatial Analysis in Geomorphology, Methuen, London, 1972.
2. Cooke R.IJ.and Doornkamp, J.C. : Geomorphology in

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3. Environmental Management. An Introduction, Clarendon press, Oxford, 1974.
4. Dury, G.H.: The Face of the Earth, Penguin Harmondsworth 1959.
5. Fairbridge, R.W. Encyclopedia of Geomorphology, Reinholdts, New York, 1968.
6. Goudie, A.: The Nature of the Environment Oxford & Blackwell, London, 1993.
7. Garner, H.F. : The Origin of landscape- A Synthesis of Geomorphology, Oxford University Press. London, 1974.
8. Holms, A.: Principles of Physical Geology, Thomas Nelson, London.
9. Mitchell, C.W.: '1'erra. Evaluation. Longman, London, 1973.
10. Oilier, C.D. : Weathering, Longman, London, 1979.
11. Pitty, A.F.: Introduction to Geomorphology, Methuen, London, 1971.
12. Stoddart, D.R. (ed.) : Process and Form in Geomorphology, Roullcde, New York, 1996.
13. Skinner, B.J. & Porter, S.C.: The Dynamic Earth John Wiley. New York, 1995.
14. Sparks, B.W. Geomorphology, Longman, London, 1960.
15. Sharma, H.S. (cd.): Perspective in Geomorphology, Concept, New Delhi, 1980.
16. Singh, S : Geomorphology, Prayag Publication, Allahabad, 1998.
17. Steers, J.A. : The Unstable Earth Methuen, London.
18. Thornbury, W.I.). Principles of Geomorphology, John Wiloy, New York, 1960.
19. Strahler, A.N.: Physical Geography, Willey, New York.
20. कौशिक एस डी भू आकृति विज्ञान
21. नेगी बी.एस. भू आकृति विज्ञान
22. दयाल परमेश्वर भू आकृति विज्ञान
23. यादव तथा राम सुरेश भू आकृति विज्ञान
24. सविंद्र सिंह भू आकृति विज्ञान शारदा पुस्तक भवन इलाहाबाद




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1. BGE102 : Cartographic Techniques (Practical) - (1) (GEC)

Learning Outcome:

After the completion of course, the students will have ability to:

1. Read and prepare maps.
2. Comprehend locational and spatial aspects of the earth surface.
3. Use and importance of maps for regional development and decision making.

Course Content:

Scale: Statement Scale , Representative Fraction (R.F.),

Linear scale – Simple, Diagonal, Comparative, and Time Scales.

Contour: Methods of showing relief; Hachures, Contours; Representation of different landforms by contours.

Graph and Diagram: Line graph, Bar Diagram (Simple and Compound), Circle Diagram, Pie Diagram

PRACTICAL RECORD AND VIVA VOCE

Books Recommended:

1. Davis, R.E. and Foote, F.S. (1953): Surveying, 4th edition, McGraw Hill Publication, New York
2. Jones, P.A.(1968): Fieldwork in Geography, Longmans, Green and Company Ltd., First Publication, London
3. Natrajan, V. (1976): Advanced Surveying, B.I. Publications., Mumbai 5. Pugh, J.C.
- 4.. Raisz, E. (1962): General Cartography. John Wiley and Sons, New York. 5 th edition.
5. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
6. Sharma, J. P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd. edition.
7. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi,.

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II Semester GEC papers Geography (Credit: 04 Each)

1. BGE201 : Human Geography (3)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Know the changing human and cultural landscape at different levels.
2. Understand patterns and processes of population growth and its implications.
3. Appreciate the nature and quality of human landscapes.

Course Content:

Unit I

Human Geography: Definition, Scope . Man - environment relationship; Determinism, Possibilism, and Probabilism; Human Development Index (HDI).

Unit II

Growth, Density and Distribution of World Population and factors influencing Spatial distribution. Migration of Population. .

Unit III

Classification of Human Races – their Characteristics and Distribution; Human adaptation to environment: Eskimos, Bushman, Pigmy, Gond.

Unit IV

Settlements – Types of Settlements (Rural and urban) Origin and Evolution of towns , patterns of urban settlements, Rural settlements: Types and patterns , Responsible factors for the growth and development of Rural settlements . Rural problems and planning of India

Unit V

Issues – Global Warming, Climate Change, Deforestation, Desertification, Air, Water and Soil Pollution.

References:

1. Chandna, R.C., (2017):Population Geography, Kalyani Publishers, New Delhi.
2. Daniel, P.A. and Hopkinson, M.F. (1989):The Geography of Settlement, Oliver & Boyd, London.
3. Hassan, M.I. (2005):Population Geography, Rawat Publications, Jaipur
4. Hussain, Majid., (2012):ManavBhugol,Rawat Publications, Jaipur.
5. Johnston, R., Gregory, D.,& Pratt, G., et al. (2008):The Dictionary

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2. BGE202 : Statistical Methods (Practical) - (1) (GEC)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the basics of data collection and processing for the meaningful outcomes.
2. Comprehend the representation and interpretation of the results.
3. Put into practice results obtained in representation as well as day-to-day life.

Course Content:

Statistical Technique: Mean, Median, Mode.

Quartile: Mean Deviation, Standard Deviation .

PRACTICAL RECORD AND VIVA VOCE

Books Recommended:

1. Sharma, J. P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd. edition.
2. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
3. Singh, L.R. (2006): Fundamentals of Practical Geography, Sharda Pustak Bhawan, Allahabad.
4. Alvi, Z. 1995 : Statistical Geography: Methods and Applications, Rawat Pub. New Delhi.
5. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
6. Pal, S.K. 1999 : Statistics for Geoscientists, Concept publishing Company, New Delhi

Handwritten signatures and dates in blue ink. The signatures include "AZ", "JLU", "S.K.", and "S.K.". The date "21/11/22" is written near the signature "S.K.". There are also some scribbles and lines.



कार्यालय प्राचार्य

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(राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद (NAAC) द्वारा A⁺ ग्रेड प्रदत्त महाविद्यालय)

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स्नातक प्रथम सेमेस्टर की सत्रीय कार्य हेतु निर्देश

1. प्रथम सेमेस्टर की (असाइनमेंट) सत्रीय कार्य DEC एवं GEC में प्रश्नपत्र की अधिकतम अंको का अर्थात् प्रायोगिक विषय में 75 अंको का एवं बिना प्रायोगिक विषयों में 100 अंको का होगा।
2. AEC हिन्दी भाषा 50 अंको का होगा।
3. DEC एवं GEC के प्रश्नपत्र वार्षिक परीक्षा के Pattern में तहत A अर्थात् B एवं C खंडों का होगा।

A	अतिलघुत्तरीय	10 प्रश्न
B	लघुत्तरीय	05 प्रश्न
C	दीर्घत्तरीय	05 प्रश्न

अंको का विवरण		
1 x 10 = 10	1 x 10 = 10	1 x 20 = 20
3 x 5 = 15	4 x 05 = 20	6 x 5 = 30
5 x 5 = 25	9 x 05 = 45	10 x 5 = 50
50	75	100

4. SEC एवं VAC में Internal Test नहीं होगा सिर्फ Assignment 25 अंको का होगा। जिसमें 10 प्रश्न दिये जाएंगे उनमें से कोई पाँच प्रश्न हल करने होंगे।
5. उपरोक्त Assignment के अलावा Internal Test Unit Wise प्रत्येक इकाई में जितने अंक है उसके अनुसार लीजिए।
6. आंतरिक एवं Assignment में से जिसमें अंक अधिक होंगे वह अंक स्वशासी प्रकोष्ठ में जमा करने होंगे।
7. Assignment प्रश्न तत्काल महाविद्यालय के वेबसाइट या क्लास के वाट्सप ग्रुप में डाल दे एवं प्रथम सेमेस्टर के Assignment दिनांक 15 दिसम्बर तक जमाकर उसके प्राप्तांक स्वशासी प्रकोष्ठ में दिनांक 31 दिसम्बर तक Excelsheet एवं Hardcopy दोनों में जमा करें।

शास. वि.या.ता. स्नातकोत्तर स्वशासी महाविद्यालय, दुर्ग (छ.ग.)

Principal
Govt. V.Y.T.P.G. Autonomous
College, Durg (C.G.)

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