



CHOICE BASED CREDIT SYSTEM (CBCS)
WITH
LEARNING OUTCOMES BASED CURRICULAR FRAMEWORK (LOCF)
FOR
B. A/B.Sc. GEOGRAPHY
UNDERGRADUATE PROGRAMME
(EFFECTIVE FROM ACADEMIC YEAR 2020-2021)



DEPARTMENT OF GEOGRAPHY
GOVERNMENT COLLEGE FOR WOMEN
PARADE GROUND
JAMMU- 180001

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ACKNOWLEDGEMENT

I take this opportunity to express my heartfelt gratitude to all the personalities to make the syllabus restructuring 2020 a success. I express profound gratitude to the honorable secretary, Higher Education Department, Govt. of J&K, worthy Principal, external and internal members, university nominee, for their sincere cooperation and guidance during the restructuring process.

I hereby place on record my whole hearted gratitude to *Prof. Anuradha Sharma*, Head of Department (HOD) Geography, Jammu University, *Dr. Rakesh Jasrotia*, Assistant Professor, M.A.M College, Jammu (External member), *I.A. Khan*, assistant Professor (Retd.) for their timely help and suggestions.

I am also grateful to my colleagues especially *Kashif Sajjad* and *Dr. Ameena Rajput* who despite their busy schedule helped me in designing the syllabus. The novel ideas proposed during BOS meeting has been incorporated in the syllabus. I also take the opportunity to express my gratitude to all the academicians, professionals, stakeholders who gave valuable suggestions in this regard.

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INTRODUCTION

Govt. College for Women, Parade Ground Jammu, An autonomous College has introduced the choice based credit system (CBCS) from the academic year 2016-17. But as per the UGC and the feedback from the stakeholders, the syllabus needs some modifications and addition to meet the requirements legally and technically. The syllabus is then modified and one of the draft is proposed by the board of studies of Geography is hereby submitted for approval to the Academic Council and Governing body.

AIMS AND OBJECTIVES

A curriculum course content and assessment of scholastic achievement play complimentary role in shaping the education. The committee is of the view that members should report and encourage the broad instructional goals such as giving knowledge of the discipline of Geography, theory and techniques, concepts and general principles. They should also support the ability to ask physical questions and to obtain the answers to physical questions by the use of quantitative and qualitative reasoning and by the experimental investigations. The important student friendly attributes including designing, creativity, curiosity and deep understanding levels of Geography to other disciplines and to social issues should also be given encouragement. With these things in mind, we aim to provide a firm foundation in every aspect of Geography and to explain the broad spectrum of modern trends in Geography.

The Programme also aims to develop the following abilities:-

1. To help the pupils to acquire knowledge of their physical and social environment and thus to broaden their outlook.
2. To develop in them an understanding of basic concepts, principles and theories relating to geographical phenomena.

3. To develop the skills of reading maps and globes, to develop drawing and measuring skills, and to develop the skill of using and manipulating geographical instruments.
4. To develop scientific attitude and to develop the ability to draw valid conclusions and independent thinking.
5. To acquaint the pupils with the living conditions of people in different parts of the globe.
6. To develop in pupils an understanding of how environment and climatic factors have influenced our life.
7. To develop their ability to draw conclusions and to generalize.
8. Providing best facilities in the department to attract outstanding students from all background.

OBJECTIVES

Following are the main objectives of the Programme:-

1. To provide deep knowledge of scientific and technological aspects of Geography.
2. Update students with recent and technological developments.
3. Enrich students through programmes such as seminars, workshops, quizzes etc.
4. Train students to a level to compete for seats for advanced degrees such as M.A/ M.Sc. and other related disciplines.

DURATION OF THE PROGRAM

The duration of the undergraduate program is six semester. There shall be two semester in the academic year. The odd semester (Sem- I, III and V) commence from 15th of July, every year and the even semester (Sem- II, IV and VI) commences in the month of January, every year. Between both the types of semester, there is a break of one and a half month called 'summer vacation' which commences from 1st of June to the 15th of July, every academic year. The students may be permitted to complete the program on valid reason, within a period of six continuous semesters from the date of commencement of first semester of the program.

EVALUATION OF VARIOUS COMPONENTS IN THE CURRICULUM AND MARKS DISTRIBUTION FOR INTERNAL AND EXTERNAL EVALUATION

The final end semester examination shall be conducted by the college at the end of each semester. Internal evaluation is to be done by the internal assessment test taken one month before the start of final end semester examination and evaluation of attendance.

For all papers, internal and practical examination is to be taken before and after the start of final end semester examination. Thus the overall marks distribution for external and internal theory examination as well as practical examination is shown below.

1. For all theory papers

a. Marks of external examination= 80

b. Marks of internal evaluation= 20

External Pattern: The question paper shall be of 80 marks. There will be 3 sections in the question paper. Section **A** contains 5 short answer type questions each of 3 marks one from each unit. Section **B** contains 5 medium type answer question each of 7 marks one from each unit. Section **C** contains 5 long answer type question each of 15 marks one from each unit. Candidate has to attempt all questions from section **A&B** and 2 questions from section **C**.

Component of internal evaluation of theory	Marks
Attendance	05
Assessment Test/ Assignment Test	15
Total	20

2. For all Practical Papers

a. Marks of external examination= 25

b. Marks of internal evaluation= 25

Internal Practical Examination:

All the three components of internal assessments are mandatory

Components of internal evaluation of Practical	Marks
Attendance	05
Test	08
Lab Involvement	12
Total	25

The practical file related to the number of examination performed must be duly signed by the teacher in charge and authenticated by the HOD Geography for appearing in the external practical examination. Certified record should be produce.

External Practical Examination:

For all the practical papers, there will be an external evaluation. The external examination will be appointed by the Principal of the college in consent of HOD in charge. There will be an internal examiner who will be appointed by the head of the department. The examination will be of 03 hour duration and the various components for the evaluation of external examination are given below.

Components of external evaluation of Practical examination	Marks
Test	20
Practical Record File/Viva-Voice	3+2=5
Total	25

3. Assignments

Assignments are to be done for all the semesters. At least one assignment should be done in each semester for all the theory courses.

4. Internal Assessment

One internal test paper is to be taken in each semester for each theory courses. The evaluation of all the components is to be published and acknowledged by the candidates. All the documents of internal assessments are to be kept in the custody of the convener of the internal assessment examination and shall be made available for verification as and when required. The responsibility of evaluating the internal assessment is vested on the teacher in charge.

5. Attendance Evaluation

For all the courses- Theory and Practical

Percentage of Attendance	Marks
>90%	05
85%-90%	04
80%-85%	03
75%-80%	02
<75%	Ineligible

CONSOLIDATED SCHEME FOR SEMESTER-I and II

B.A/B.Sc. Geography Programme

Sem.	Course Code	Course Title	Course Category	Credits	Total Credits
01	GCWPGEOC101	1. Physical Geography	Core	04	06
	GCWPGEOC102	2. Cartography-I	Core	02	
02	GCWPGEOC201	1. Geography of J&K	Core	04	06
	GCWPGEOC202	2. Cartography-II	Core	02	

MINUTES OF THE B.O.S, GEOGRAPHY ONLINE MEET (2020-2021)

Due to corona pandemic, the whole country is under the lockdown and it is not possible for me to arrange the board of studies meet in the department of Geography in the college premises. So, in this connection, I have sent a soft copy of the draft of the syllabus to each member of the board of studies, Geography for their necessary suggestions/ feedback/ comments. These suggestions/ feedback/ comments are further incorporated in the syllabus for making of the final draft of the syllabus which is to be presented before the Academic Council and Governing body for the final approval. The necessary feedback reports from the various members are also enclosed here along with for ready reference and also represented in the form of a table given below:

S.no.	Name of the BOS Member	Suggestion/Feedback/ Comments	Response from Geography department.
01.	<i>Prof. Anuradha Sharma</i> HOD, Department of geography, Jammu University.	I have gone through the syllabus and as discussed earlier all the changes have been incorporated. I give my consent to keep the syllabus in its present form.	The suggestions given by your good self are welcomed and appreciated as well. The changes offered by you are now incorporated in the syllabus
02.	<i>Dr. Rakesh Jasrotia</i> Assistant Professor M.A.M College, Jammu	I have gone through the syllabus and as discussed on call all the changes have been incorporated. I give my consent to keep the syllabus in its present form.	The suggestions given by your good self are welcomed and appreciated as well. The changes offered by you are now incorporated in the syllabus
03.	<i>I.A Khan</i> Assistant Professor (Retd.)	In my view the syllabus which you have framed seems to be well formulated and is appropriate for Sem-I and II students. I do not think there is any need for the modification. So I recommend the syllabus in its original form.	The response given by your good self is highly appreciated. Thank you for all the concern.

**DETAILED SYLLABUS OF SEMESTER-I AND SEMESTER-II FOR THE
SESSION (2020-21, 2021-22, 2022-23)**

SEMESTER- I

Course code: GCWPGEOC101

Theory

External Examination: 80 marks

Duration- 3 Hours

Internal Examination: 20 marks

Title: Physical Geography

The question paper shall be of 80 marks. There will be 3 sections in the question paper. Section **A** contains 5 short answer type questions each of 3 marks one from each unit. Section **B** contains 5 medium type answer question each of 7 marks one from each unit. Section **C** contains 5 long answer type question each of 15 marks one from each unit.

Note:- Candidate has to attempt all questions from section **A&B** and 2 questions from section **C**.

Unit- 1

- 1.1 Definition, Nature and Scope of Geography.
- 1.2 Divisions of Geography.
- 1.3 Physical geography and its components.
- 1.4 Relationship of Geography with other disciplines.

Unit- II

- 2.1 Theories regarding origin of the earth: Nebular, Kant and Planestimal hypothesis.
- 2.2 Theory of continental drift
- 2.3 Theory of plate techtonics.
- 2.4 Theory of Isostacy.

Unit- III

- 3.1 Geological time scale.
- 3.2 Interiors of the Earth
- 3.3 Earthquake and volcanoes: concept, types and distribution.
- 3.4 Rocks and their types.

Unit- IV

- 4.1 Earth movements: Folds and Faults
- 4.2 Weathering and its types.
- 4.3 Normal cycle of Erosion.
- 4.4 Landslides and Avalanches: Causes and Types.

Unit- V

- 5.1 Fluvial cycle and associated landforms.
- 5.2 Glacial processes and associated landforms.
- 5.3 Karst processes and associated landforms.
- 5.4 Aeolian processes and associated landforms.

Books Recommended

1. Monkhouse, F. J. (1964). *Principles of physical geography*. Rowman & Littlefield.
2. Savinder, S. (1998). *Physical Geography* Prayag Publication.
3. Strahler, A., & Strahler, A. (2007). *Physical geography*. John Wiley & Sons.
4. Thornbury, W. D. (1969). *Principles of geomorphology*.
5. Leong, G. C. (2016). *Certificate physical and human geography*. Oxford University Press.
6. Wooldridge, S. W., & Morgan, R. S. (1937). *The physical basis of geography: an outline of geomorphology*. Longmans, Green and Company.

SEMESTER- I

Course code: GCWPGEOC102

Total marks: 50

Practical

External Examination: 25 marks

Duration- 3 Hours

Internal Examination: 25 marks

Title: Cartography-I

Unit-1

- 1.1 Definition, Nature and Scope of Cartography.
- 1.2 Essentials of map.
- 1.3 Map, Globe, Sketch: Concept and significance.
- 1.4 Classification of maps.

Unit- II

- 2.1 Scale: Definition. Methods of representing scale.
- 2.2 Classification of scales.
- 2.3 Plain scale (4 exercises).
- 2.4 Comparatives and diagonal scale (4 exercises).

Unit- III

- 3.1 Relief: Concept, method of representing relief.
- 3.2 Mathematical methods: concept of spot height, bench mark, trigonometric stations and contours.
- 3.3 Pictorial methods: Hachures and hill shading..
- 3.4 Representation of relief with the help of contour: concave and convex slope; uniform and steep sloped; undulating and terraced slopes; Conical hill and plateaus; V-shaped and U-shaped valleys.

Unit- IV

- 4.1 Profile; definition, concept and significance.
- 4.2 Serial and super imposed profiles.

4.3 Composite and projected profiles.

4.4 Longitudinal profiles.

Books Recommended

1. Mishra R.P. and Ramesh A., Fundamentals of Cartography, Mcmillan Co. New Delhi, 1986.
2. Pal, S.K., Geography for Geoscientists – Techniques and Application. Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons, U.A.A., 1995.
4. Sarkar A., Practical Geography: S Systematic Approach, Oriental Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979.
6. Khullar DR (2017): Essentials of practical Geography, New Academic publishing co., Jalandhar.

SEMESTER- II**Course code: GCWPGEOC201****Theory****External Examination: 80 marks****Duration- 3 Hours****Internal Examination: 20 marks****Title: Geography of Jammu and Kashmir**

The question paper shall be of 80 marks. There will be 3 sections in the question paper. Section **A** contains 5 short answer type questions each of 3 marks one from each unit. Section **B** contains 5 medium type answer question each of 7 marks one from each unit. Section **C** contains 5 long answer type question each of 15 marks one from each unit.

Note:- Candidate has to attempt all questions from section **A&B** and 2 questions from section **C**.

Unit- 1

- 1.1 J&K in the context of India.
- 1.2 Physical Divisions of J&K.
- 1.3 Climate of J&K.
- 1.4 Drainage of J&K.

Unit- II

- 2.1 Natural Vegetation and soils.
- 2.2 Production of Distribution of Wheat, Rice and Maize.
- 2.3 Horticulture and Sericulture.
- 2.4 Livestock and Fisheries.

Unit- III

- 3.1 Mineral Resources – Coal and Gypsum.
- 3.2 Hydel-Power Resources.
- 3.3 Industries- Forest and Agro based.
- 3.4 Handicrafts and handlooms.

Unit- IV

- 4.1 Population - Distribution, Growth and Density
- 4.2 Sex ratio and literacy.
- 4.3 Major Ethnic groups
- 4.4 Migration and Transhumance.

Unit- V

- 5.1 Urbanisation and associated problems
- 5.2 Transport and Communication.
- 5.3 Tourism and its impact on economy.
- 5.4 Important tourist destinations.

Books Recommended

1. Dhar Vidya: Jammu and Kashmir Past and Present' Jammu 2005.
2. Drew Frederic, 1971: Jammu & Kashmir Territories: Geographical Account, Oriental Publishers, Delhi.
3. Frank Young husband: Sir Kashmir, London.
4. G.B. Singh: Encyclopedia of Jammu.
5. Itoo J (2004) Jammu and Kashmir at Glance.
6. Jasbir Singh: The Economy of Jammu & Kashmir, R.K. Anand Co.Jammu,2004
7. K. warikoo (1976), Jammu, Kashmir & Ladakh: A classified Bibliography.
8. M.A. Steln (1982), Kalhana's RaJa Larangani, the First Kashmir, 1 Bombay.
9. Majid Hussain, A Geography of Jammu & Kashmir. Publishing House New Delhi, 1985.
10. Somnath Dhar (1977), Jammu & Kashmir, NBT, Srinagar' Publishers.

SEMESTER- II**Course code: GCWPGEOC202****Total marks: 50****Practical****External Examination: 25 marks****Duration- 3 Hours****Internal Examination: 25 marks****Title: Cartography-II****Unit- 1**

- 1.1 Weather and Climate and its basic components.
- 1.2 Graphic Representation: Concept, types and significance.
- 1.3 Representation of Temperature and humidity: Simple and Multiple line graphs.
- 1.4 Representation of rainfall data: Bar Graph.

Unit- II

- 2.1 Climograph and Hythergraph; concept and importance.
- 2.2 Use of Climograph and Hythergraph in geographical studies.
- 2.3 Representation of climate data with the help of Climograph
- 2.4 Representation of climate data with the help of Hythergraph

Unit- III

- 3.1 Field work and its objectives
- 3.2 Equipments used in a field work.
- 3.3 Planning of field work
- 3.4 Field study tour report (Field work and field report)

Unit- IV

- 4.1 Surveying; Definition and Importance.
- 4.2 Advantages and disadvantages of surveys.
- 4.3 Methods of surveying.
- 4.4 Chain and tape survey.

Books Recommended

1. Khullar DR (2017): Essentials of practical Geography, New Academic publishing co., Jalandhar.
2. Mishra R.P. and Rameh A, Fundamentals of Cartography Mcmillan Co. NewDelhi, 1986.
3. Pal, S.K., Geography for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
4. Robinson, A.H. et.al : Elements of Cartography, John Wiley& sons, U.A.A,1995.
5. Sarkar A., Practical Geography: S Systematic Approach, Oriental Logman, Calcutta, 1997.
6. Singh R.L. and Dutt R.K., Element of Practical Geography, Kalyani Publishers, New Delhi, 1979.