

**Minutes for the Thirteenth meeting of the Board of Studies in Geography
held on 18.02.2019 at 10.00 am at The IIS Campus, Jaipur.**

The following members were present:

S.No.	Name	Designation
1.	Prof. Pradeep Bhatnagar Dean, Faculty of Science The IIS University, Jaipur	Chairperson
2.	Prof. Rolee Kanchan Department of Geography Faculty of Science The M.S. University of Baroda Vadodara – 390002, Gujarat	External Member (Academician)
3.	Prof. Mahendra Singh Nathawat D-111, Freedom Fighter Enclave neb Saral New Delhi – 110068	Industry Expert
4.	Dr. Mini Mathur	Member
5.	Ms. Taniya Singh	Member
6.	Dr. Harshita Upadhyaya	Convener

The following members could not be present:

S.No.	Name	Designation
1.	Prof. R.N. Mishra Retired Head, Department of Geography, University of Rajasthan, Jaipur	Special Invitee
2.	Prof. S.C. Rai C-2 (29-31) Probyn Road University of Delhi Delhi – 110007	External Member (Academician)
3.	Ms. Arpita Goyal 16, Saket Colony Deoli (Tonk) 304804 Rajasthan	Alumnae

The meeting began with the welcoming of all the members of the Board of Studies. The agenda items were taken up and after considerable deliberations, following decisions were taken:

1. The Minutes of the last meeting held on 16.02.2018 were considered and approved.
2. Regarding the consideration and approval of Syllabi and Credits of the following programs:
 - I) B.A./ B.Sc. Geography Syllabus for 2019-2020:
 - Credit system was considered and approved
 - The following updates in the syllabi were done:

Paper Code	Paper Title		Change	Remark
	Till 2018-19	2019-20 onwards		
GEO 101	Physical Geography – I (Lithosphere)	Lithosphere	Paper Title	Specified Title; Same syllabus
GEO 102	Geography of Rajasthan – I	Physical and Human Geography of Rajasthan	Paper Title & One point of Unit V	Specified Title & In Unit V- Regional planning Approach was specified to Area Development Programs in Rajasthan. Wherein 3 programs were specified i.e. Aravalli Hill Development Program, Tribal Sub-Plan and Watershed Development Plan.
GEO 103	Practical	Introduction to Statistics in Geography	Paper Title & Contents	Cartographic contents were replaced with basic statistics and representation of data techniques.
GEO 201	Physical Geography – II (Atmosphere and Hydrosphere)	Atmosphere and Hydrosphere	Paper Title	Specified Title; Same syllabus

GEO 202	Geography of Rajasthan – II	Economic Geography of Rajasthan	Paper Title	Specified Title; Same syllabus. Only Eastern Rajasthan Canal Project specified instead of 'minor projects'.
GEO 203	Practical	Statistical Methods and Scales in Geography	Paper Title	Statistical Methods and Scales related syllabus specified.
GEO 301	Geography of India -I	Geography of India	Paper Title	-
GEO 303	Practical	Techniques of Relief Representation in Geography	Paper Title	Techniques of Relief Representation related syllabus specified.
GEO 401	Geography of India – II	Contemporary Geography of India	Paper Title	Added study of Niti Aayog and ASEAN, G20 & BRICS added in Unit III and IV respectively
GEO 403	Practical	Surveying and Statistics in Geography	Paper Title	Surveying and Statistics related syllabus specified.
GEO 503	Practical	Toposheets and Weather Instruments in Geography	Paper Title	Toposheets and Weather Instruments related syllabus specified.
GEO 601	Geographical Methodologies	Research Methodology in Geography	New Paper	The paper has been formulated to introduce research related aspects to the students.
GEO 603	Practical	Projection and Surveying in Geography	Paper Title	Projection and Surveying related syllabus specified

- The Practical units were reshuffled and set in order of simple to difficult as the Semester increased. Also, the title of all the Practical Paper was 'Practical' itself. The Paper titles have been specified as per the content.

- The new paper introduced is GEO 601 Research Methodology in Geography II) M.A./ M.Sc. Geography Syllabus for 2019-2020
 - Credit system was considered and approved
 - To introduce Specialized Papers in the syllabi the following changes were done:

Paper Code	Paper Title		Change	Reason
	Till 2018-19	2019-20 onwards		
GEO-121	Physical Basis of Geography	Geomorphology	Reshuffled. Earlier a part of GEO 321 - Geomorphology and Climatology.	The paper has been made a specialized, independent paper rather than the general paper of Physical Basis of Geography
GEO - 122	Hydrology and Oceanography	Climatology	Reshuffled. Earlier a part of GEO 321 - Geomorphology and Climatology.	The paper has been made a specialized, independent paper. And is now offered in Semester I so as to develop a better understanding.
GEO - 123	Economic Geography	Regional Development and Planning	Reshuffled. Economic Geography - paper removed	Earlier offered in IV Semester as Regional Development and Planning with Special Reference to India (GEO 422), has been moved to I semester and the syllabus now includes - general concepts, India and Rajasthan Regional studies.
GEO - 124	Human Geography	Urban Geography	Reshuffled. Human Geography - paper removed	The paper 'Urban Geography' was offered in II semester as GEO 223; has been moved to I

				semester with relevant changes in the syllabus
GEO - 125	Practical	Practical in Interpretation of Topographical and Weather Maps	All the Practical papers were named as 'Practical'. They have all been given a suitable nomenclature as per the content.	The syllabus has been formulated keeping in mind the requirement of competitive exams or jobs.
GEO - 126	Seminar	Seminar: Review of Literature	All the Seminar component papers were named as 'Seminar'. They have all been given a suitable nomenclature as per the content.	The Seminar follow a sequential built-up of research elements in students. Hence, titled as Seminar: Review of Literature
GEO - 221	Geography of India	Oceanography	Reshuffled. Earlier a part of GEO 122 - Hydrology and Oceanography	The paper has been made a specialized, independent paper. And is now offered in Semester II.
GEO - 222	Evolution of Modern Geographical Thought	Quantitative Geography	New Nomenclature Evolution of Modern Geographical Thought - paper removed	The contents of the paper were earlier distributed under the Practical Syllabus of GEO 225 and GEO 425. They are now under the umbrella of Quantitative Geography
GEO - 223	Urban Geography	Social Geography	Reshuffled. Earlier a part of GEO 421	The paper has been made a specialized, independent paper. And is now offered in

			Social, Cultural and Political Geography	Semester II.
GEO - 224	Research Methodology	Medical Geography	New Paper And 'Research Methodology' paper Reshuffled - now GEO 226	Job oriented Paper
GEO - 225	Practical	Practical in Geography of Tourism	New Paper	The syllabus has been formulated keeping in mind the requirement of the growth in Tourism related Jobs.
GEO - 226	Seminar	Seminar: Research Methodology	All the Seminar component papers were named as 'Seminar'. They have all been given a suitable nomenclature as per the content.	The Seminar follow a sequential built-up of research elements in students. Hence, titled as Seminar: Research Methodology
GEO - 321	Geomorphology and Climatology	Biogeography	Paper 'Geomorphology and Climatology' has been made into two specialized papers and is now offered as GEO 121 and GEO 122 respectively.	The paper Ecology and Environment GEO 322 has been added with new components related to the various competitive Exams and is Renamed.
GEO - 322	Ecology and Environment	Agriculture Geography	Reshuffled. The essential elements of Paper 'Ecology	The paper - Agriculture Geography has been made a specialized, independent paper

			and Environment', now in GEO 321 'Biogeography'	rather than an optional paper.
GEO – 323 A	Industrial Geography	Population Geography	Reshuffled.	The paper - Population Geography has been made a specialized, independent paper rather than an optional paper 'Population and Rural Settlement Geography'
GEO – 323 B	Agriculture Geography		& only one compulsory paper offered	
GEO – 324	Visit to Geographical Institute	Dissertation	Reshuffled. Removed - Visit to Geographical Institute	Added the Essential component of Field Survey related Dissertation Work
GEO - 325	Practical	Practical in Cartography	Reshuffled. All the Practical papers were named as 'Practical'. They have all been given a suitable nomenclature as per the content.	The syllabus has been compiled keeping in mind the requirement of competitive exams or jobs.
GEO - 326	Seminar	Seminar: Data Collection and Analysis	All the Seminar component papers were named as 'Seminar'. They have all been given a suitable nomenclature as per the content.	The Seminar follow a sequential built-up of research elements in students. Hence, titled as Seminar: Data Collection and Analysis
GEO - 421	Social, Cultural and Political Geography	Remote Sensing and Geographic	Reshuffled.	'Remote Sensing and Geographic Information System' -

		Information System		was earlier available as optional paper in GEO – 423 A
GEO - 422	Regional Development and Planning with Special Reference to India	Advanced Geography of India	Reshuffled. & Renamed	Earlier offered as Geography of India GEO 221 is now offered as Advanced Geography of India. The syllabus has contemporary Indian issues.
GEO – 423 A	Remote Sensing, GIS and GPS	Water Resource Geography	Water Resource Geography is a New Paper	The syllabus has been formulated keeping in mind the requirement of critically
GEO – 423 B	Population and Rural Settlement Geography		The old papers are Reshuffled as GEO 421 and GEO 323 respectively.	understanding the wise management and utilization of Water resource.
GEO - 425	Practical	Practical in Application of Remote Sensing	All the Practical papers were named as 'Practical'. They have all been given a suitable nomenclature as per the content.	The syllabus has been formulated keeping the paper in relation with Remote Sensing and Geographic Information System GEO 421. As both these papers together will give the students an edge.
GEO - 426	Seminar	Seminar: References and Bibliography	All the Seminar component papers were named as 'Seminar'. They have all been given a suitable nomenclature as per the content.	The Seminar follow a sequential built-up of research elements in students. Hence, titled as Seminar: References and Bibliography

- This updated syllabi aims to provide a balance between Physical Geography and Anthro-geography along with relevant practical papers and Research targeted Seminar component.
- The combination of UG and PG papers together provides a wide variety of papers which are essential in NET and IAS mains or General Studies-Geography component.
- **Three New papers have been introduced:**
 - 1. GEO 224 - Medical Geography**
 - 2. GEO 225 - Practical in Geography of Tourism**
 - 3. GEO 423 - Water Resource Geography**

III) The syllabi of COSD Courses in remote sensing and GIS for the year 2019-20 were reviewed. The pattern of 2 Theory papers and 1 practical paper was accepted, in each of the Certificate, Diploma and Advanced Diploma Courses. The details are as follows:

CERTIFICATE COURSE IN REMOTE SENSING AND GIS

Paper Code	Paper Title	Theory/ Practical	Total Hours	Hours/Week	Credits
RES 131	Basic Principles of Aerial Photo Interpretation	Theory	90	3	3
RES 132	Basic Principles of Remote Sensing	Theory	90	3	3
RES 133	Practical	Practical	120	4	4

DIPLOMA IN REMOTE SENSING AND GIS

Paper Code	Paper Title	Theory/ Practical	Total Hours	Hours/Week	Credits
RES 231	Basic Principles Of Remote Sensing And Photogrammetry	Theory	90	3	3
RES 232	Basic Principles Of Geographical Information System	Theory	90	3	3
RES 233	Aerial Photo Interpretation and Interpretation of Satellite Images	Practical	120	4	4

ADVANCED DIPLOMA IN REMOTE SENSING AND GIS

Paper Code	Paper Title	Theory/ Practical	Total Hours	Hours /Week	Credits
RES 331	Advance Principles of Remote Sensing	Theory	90	3	3
RES 332	Advanced Principles Of Geographical Information System (GIS) And Introduction To GPS	Theory	90	3	3
RES 333	Practical	Practical	120	4	4

- IV) The syllabus of PhD Course Work for the year 2019-20 was reviewed and to make it more suitable the required changes were incorporated. The idea behind the inculcated changes is to provide a wider spectrum related to Physical and Human aspect of Geography in the newly added Optional papers, whose number is now limited to two.

Paper Code	Paper Title		Change	Reason
	Till 2018-19	2019-20 onwards		
GEO 143	Resource Geography and Globalisation	Remote Sensing, GIS and GPS	Change of Compulsory Paper	The Optional paper GEO 144 B which dealt with Remote Sensing is made compulsory and the essential and basic knowledge of GIS and GPS, is also added to the syllabus. Whereas, the essential elements of Resource Geography and Globalisation are included in the wider spectrum of paper GEO 144 A, in Unit V as Economic Geography.
GEO 144 A	Applied Climatology and Climate Change	Human - centric geography	Replaced as an independent paper to an essential component of GEO 144 B	The paper 'Applied Climatology and Climate Change' under the new Syllabus of 'Earth Systems' in Climatology section i.e. Unit II and Unit V Meteorological Hazard and Disasters

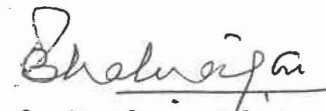
GEO 144 B	Remote Sensing Application	Earth Systems	'Remote Sensing Application' is offered as a compulsory paper.	The paper 'Earth Systems' entails the basic and essential elements of 1. Geomorphology; 2. Climatology; 3. Oceanography 4. Biogeography; 5. Meteorological Hazard and Disasters
GEO 144 C	Population Studies		Replaced as an independent paper to an essential component of GEO 144 A	Unit III i.e. Population Geography of GEO 144 A entails the basic and essential elements of Population Studies.
GEO 144 D	Political Geography		Paper Removed	
GEO 144 E	Bio-Geography		Replaced as an independent paper to an essential component of GEO 144 B	Unit IV i.e. Biogeography of GEO 144 B entails the basic and essential elements of Biogeography

- Two new papers have been introduced:
 1. GEO 144 A - Human - centric geography
 2. GEO 144 B - Earth Systems
- 6. Prof. R.N. Mishra is co-opted as a member of BOS on the Examiners' Selection Committee for the Academic Session 2019-20.
- 7. The **Question Papers** of and Semester-II, IV and VI Examinations April- May 2018 and Semesters I, III and V Examinations November –December 2018 were observed and no suggestions were given.

8. The **Examiners' Reports** of and Semester-II, IV and VI Examinations April-May 2018 and Semesters I, III and V Examinations November –December 2018 were considered and no suggestions were given.

The meeting ended with a vote of thanks.


Dr. Raakhi Gupta
Registrar


Prof. Pradeep Bhatnagar
Dean, Faculty of Sciences


Dr. Harshita Upadhyaya
Convener