

# MARWARI COLLEGE, RANCHI

(AN AUTONOMOUS UNIT OF RANCHI UNIVERSITY FROM 2009)



## DEPARTMENT OF GEOGRAPHY

COURSE OF STUDY FOR GEOGRAPHY HONOURS

**Number of Papers: 20**  
(14 Theory papers & 6 Practical Papers)

**Full Marks: 1600**  
Theory: 1200, Practical: 400

**Number of Semesters: 6**

**B.A. Hons. Part - I: 400 Marks**  
(Theory: 300, Practical: 100)

**B.A. Hons. Part - II: 400 Marks**  
(Theory: 300, Practical: 100)

**B.A. Hons. Part - III: 800 Marks**  
(Theory: 600, Practical: 200)

**DISTRIBUTIONS OF MARKS IN GEOGRAPHY HONS.**

ACADEMIC YEAR	SEMESTER	THEORY PAPER	FULL MARKS			PASS MARKS	DURATION	PRACTICAL PAPER	FULL MARKS	PASS MARKS	DURATION
			MSE	ESE	TOTAL						
FIRST YEAR	I	1	25	50	75	34	3 HRS.	3	50	23	4 HRS.
		2	25	50	75	34	3 HRS.				
	II	4	25	50	75	34	3 HRS.	6	50	23	4 HRS.
		5	25	50	75	34	3 HRS.				

**DISTRIBUTIONS OF MARKS IN GEOGRAPHY HONS.**

ACADEMIC YEAR	SEMESTER	THEORY PAPER	FULL MARKS			PASS MARKS	DURATION	PRACTICAL PAPER	FULL MARKS	PASS MARKS	DURATION
			MSE	ESE	TOTAL						
SECOND YEAR	III	7	25	50	75	34	3 HRS.	9	50	23	4 HRS.
		8	25	50	75	34	3 HRS.				
	IV	10	25	50	75	34	3 HRS.	12	50	23	4 HRS.
		11	25	50	75	34	3 HRS.				

**DISTRIBUTIONS OF MARKS IN GEOGRAPHY HONS.**

ACADEMIC YEAR	SEMESTER	THEORY PAPER	FULL MARKS			PASS MARKS	DURATION	PRACTICAL PAPER	FULL MARKS	PASS MARKS	DURATION
			MSE	ESE	TOTAL						
THIRD YEAR	V	13	30	70	100	45	3 HRS.	16	100	45	6 HRS.
		14	30	70	100	45	3 HRS.				
		15	30	70	100	45	3 HRS.				
	VI	17	30	70	100	45	3 HRS.	20	100	45	6 HRS.
		18	30	70	100	45	3 HRS.				
		19	30	70	100	45	3 HRS.				

# GEOGRAPHY (H)

## Part – I (Hons.)

### Semester - I

Paper-1, Geographical Thought (25 lectures)

## HkkSxksfyd fparu

Full Marks: 25 (MSE) + 50 (ESE) = 75 Time: 2½ Hrs. Pass Marks: 34

### Instructions to paper setter

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks.

- Definition & Study-Scope of geography. (4)  
Hkwxksy dh ifjHkk"kk rFkk v/;;u {ks=
- Geography is an interdisciplinary Subject or Relation of Geography with other science (Natural & social sciences) (2)  
Hkwxksy ,d varjfo"k;d foKku gS vFkok Hkwxksy dk vU; foKkuksa ls IEca/k ¼aizkÑfrd foKku rFkk lekftd foKku½
- Geographical Knowledge of Ancient India (4)  
izkphu Hkkjr dk HkkSxksfyd Kku
- Contribution of ancient Greek & Roman Geographers. (4)  
izkphu ;wukuh rFkk jkseu HkwxksyosÜkkvkas dk ;ksxnku
- Contribution of Humboldt, Ritter, Ratzel & Vidal de la Blache (5)  
gEcksyV] jhVj] jsVty rFkk ohMky Mhyk Cyk'k ds ;ksxnku
- Quantitative Revolution in geography (3)  
Hkwxksy eas ek=kkRed Øakfr
- Recent Trends in Geography (3)  
Hkwxksy dh uwru izo`fÜk;k;
- GIS, Remote Sensing and Airphotography  
th0vkbZ0,l0] lqnwj laosnu ,oa ok;q QksVksxzkQh

### Books Recommended:

1. HkkSxksfyd fpUru ,oa fofèk ra=k % ,lñ Mhñ dkSf'kd
2. Evolution of Geographical Thought : Majid Hussain
3. The Nature of Geography : R. Hortshorne
4. HkkSxksfyd fpUru dk fodkl % ekftn gqISu
5. HkkSxksfyd fpUru % vkjñ Mhñ nhf{kr
6. The Changing Nature of Geography : R. Minshull
7. Explanation in Geography : Devid Harrey

# GEOGRAPHY (H)

## Part – I (Hons.)

### Semester - I

#### Paper - 2, Geomorphology (30 lectures)

#### Hkw-vkÑfr foKku

**Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 2½ Hrs. Pass Marks: 34**

#### Instructions to paper setter

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks.

- Internal structure of the Earth in the light of seismology (4)  
Hkw dEi foKku ds vk/kkj ij i`Foh dh vkarfjd lajpuka
- Isostasy: I. Concept of Airy (4)  
II. Cocept of Pratt (4)  
Hkwlarqyu% I. ,;jh dh ladYiuk  
II. izkV dh ladYiuk
- Wegener's Theory of Continental Drift (4)  
osxuj dk egk}hih; izokg dk fl)kUr
- The Plate-Tectonics. (6)  
20 oha "krkCnh dh oSKkfud miyfC/k% lysV fooZrfudh fl)akr
- Concept of cycle of Erosion : (4)  
I . Concept of W.M. Davis  
II. Concept of Walther Penck  
vijnu pØ dh ladYiuk:  
I. MCyw ,e Msfol dh ladYiuk  
II.okYFkj isad dh ladYiuk
- Fluvial & Glacial Topography tyh; rFkk fgekuh LFkykd`fr (4)
- Karst & Arid Topography dkLVZ rFkk 'kq"d LFkykd`fr (4)
- Applied Geomorphology vuqiz;qDr Hkw&vk—fr foKku

#### Books Recommended:

1. Hkw vkÑfr foKku % lfoaæ flag
2. Hkw vkÑfr foKku ds vk/kj rRo % ihñ n;ky
3. Principles of Geomorphology : W.D. Thornbury
4. Introduction to Geography : A. Pitty
5. The Unstable Earth : J.A. Steers
6. Modern Physical Geography : A.N. Stahler & Strahler

- |                                     |                  |
|-------------------------------------|------------------|
| 7. HkkSfrd Hkwksy                   | % lfoaæ flag     |
| 8. A Textbook of Geomorphology      | : P. Dayal       |
| 9. Principles of Physical Geography | : F.S. Monkhouse |
| 10. Hkw&vkÑfr foKku                 | % ,lñ ,yñ xqlrk  |
| 11. The Earth Dynamic Surface       | : K. Sidhartha   |

**Part – I (Hons.)**  
**Semester - I**  
**Paper - 3, (Practical) (30 classes)**  
**Cartography: 01**  
**Ekufp=kadu & 01**

**Full Marks: 50**

**Pass Marks: 23**

- **Cartograms** : Hythergraph, climograph & Proportionate pie diagram  
 dkVksZxzkEl: fgnjxzkQ] DykbeksxzkQ rFkk  
 vuqikfrdo`~~~~~`r  
 vkjZZZZZZZZZZZZZZZZZZZZZZZZZZZZWjo **-10 Marks**
- **Statistics**: Frequency, Frequency Distribution table, Cumulative frequency, cumulative frequency curve.  
**Ikaf;dh%** ckjackjrk] ckjackjrk forj.k lkj.kh] lap;h ckjackjrk  
 rFkk lap;h ckjackjrk oØ-  
**10 Marks**
- **Topographical sheet**: Classification & Interpretation under following heads:  
**LFkykd` frd ekufp=%** oxhZdj.k rFkk fuEufyf[kr 'kh"kZdks  
 eas O;k;k  
 I. Location & Extent fLFkfr rFkk foLrkj  
 II. Relief mPpkop  
 III. Vegetation ouLifr  
 IV. Drainage izokg iz.kkyyh **15**  
**Marks**
- **Viva & Practical Record Book** **15 Marks**  
 ekSf[kdh rFkk izk;ksfxd iqfLrdk

**Books Recommended:**

- |                                    |                         |
|------------------------------------|-------------------------|
| 1. iz;ksxkRed Hkwksy               | % Mkñ ghjkyky           |
| 2. iz;ksxkRed Hkwksy               | % tsñ ihñ 'kekZ         |
| 3. Elements of Practical Geography | : R.L. Singh            |
| 4. Maps & Diagrams                 | : Monk bouse            |
| 5. A. Fundamentals of Cartography  | : R.P. Mishra & Ramesh. |

**Part – I (Hons.)**  
**Semester - II**  
**Paper 4, Climatology (30 lectures)**  
**tyok;q foKku**

**Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 3 Hrs. Pass Marks: 34**

**Instructions to paper setter**

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks

**Climatology ¼tyok;q foKku½**

Answer any four questions :-

1. Definition & scope of Climatology.  
tyok;q foKku dh ifjHkk"kk rFkk fo"k; {ks=
2. Air Mass  
ok;q jkf'k
3. Front  
okrkxz
4. Tropical Cyclone  
m".k pØokr
5. Temperate Cyclones  
'khrks".k pØokr
6. Composition & Structure of Atmosphere  
ok;qeaMy dh la?kVu ,oa lajpuk
7. Types of Clouds  
es?kksa ds izdkj
8. Precipitation  
o"kZ.k
9. Rain Fall  
o"kkZ
10. Koppen's classification of world's climatic  
fo'o dh tyok;q dk dksisu oxhZdj.k
11. Climatic classification of trewartha  
rhokFkkZ dk tyok;q oxhZdj.k
12. Global warming

oSf'od rkiu

**Part – I (Hons.)**  
**Semester - II**  
**Paper -5, Oceanography (28 lectures)**  
**leqnz foKku**

**Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 3 Hrs. Pass Marks: 34**

**Instructions to paper setter**

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks

**Oceanography ¼leqnz foKku½**

Answer any four questions :-

1. Definition & scope of Oceanography.  
leqnz foKku dk ifjHkk"kk rFkk fo"k; {ks=
2. Relief of the ocean bottom  
egklxjh; fury dk mPpkop
3. Relief of Indian & Atlantic Ocean  
fgUn ,oa vka/kegklxj dk mPpkop
4. Ocean Currents : Types, Origin & influences  
egklxjh; ty/kkj % izdkj mRifÜk ,oa izHkko
5. Current of Indian Atlantic & Pacific Ocean  
fgUn] vka/k rFkk iz'kkar egklxj dh ty/kkj, i
6. Distribution of Temperature in Ocean Water  
egklxjh; ty esa rkieku dk forj.k
7. Tide  
Tokj HkkVk
8. Coral Reef : Types & Favourable Condition for growth  
izoky fHkfr % izdkj rFkk fodkl dh vuqdwy n'kk, iA

**Books Recommended:**

- |                                  |                   |
|----------------------------------|-------------------|
| 1. tyok;q foKku                  | % ,lñ ,yñ xqlrk   |
| 2. Atmosphere, Weather & Climate | : K. Sidhartha    |
| 3. Oceanography                  | : K. Sidheratha   |
| 4. HkkSfrd Hkwksy                | % fiQfyi yksd     |
| 5. tyok;q foKku rFkk leqæ foKku  | % Mhñ ,lñ yky     |
| 6. Oceanography for Geogrephers  | : Sharma & Vatal  |
| 7. HkkSfrd Hkwksy                | % lfoaæ flag      |
| 8. HkkSfrd Hkwksy                | % ehjk okry       |
| 9. ekSle foKku                   | % jes'k paæ cuthZ |
| 10. HkkSfrd Hkwksy               | % fiQfyi yksd     |
| 11. tyok;q foKku                 | % ,lñ ,yñ xqlrk   |
| 12. leqæ foKku                   | % dsñ ihñ dqyjs"B |





**Part – I (Hons.)**  
**Semester - II**  
**Paper - 6, (Practical) (24 classes)**

**Full Marks: 50**

**Pass Marks: 23**

**Cartography- 02**  
**dkVksZxzkQh &02**

- Wind – Rose & Weather Symbols iou vkjs[k rFkk ekSle lEca/k fpUg - **10 Marks**
  - Interpretation of Topographical maps under following heads: - **15 Marks**
    - I. Transport & communication
    - II. Settlement
    - III. Impact of relief on development of transport & Drainage.
- LFkykd` frd ekufp= dk fuEufyf[kr 'kh"kZdksa esa O;k[k;k%
- I. ifjogu rFkk lapkj
  - II. vf/kokl
  - III. ifjogu rFkk izokg iz.kkyh ds fosdkl esa mPpkop dk izHkko
- Mean & Median ek/; rFkk ekf/;dk - **10 Marks**
  - Viva & Practical Record Book - **15 Marks**  
ekSf[kdh rFkk izk;ksfxd iqfLrdk

**Books Recommended:**

1. Elements of Cartography : A.H. Robinson
2. Practical Geography A Systematic approach : A. K. Sarkar
3. iz;ksxkRed Hkwxksy % lhñ chñ ekeksfj;k
4. iz;ksxkRed Hkwxksy % Mkñ ghjkyky
5. iz;ksxkRed Hkwxksy % tsñ ihñ 'kekZ
6. Mops & Diagram : F.J. Monkhouse

# GEOGRAPHY (H)

## Part – II (Hons.)

### Semester - III

Paper -7, Physical Geography of India (30 lectures)

### Hkkjr dk HkkSfrd Hkwksy

Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 2½ Hrs. Pass Marks: 34

#### Instructions to paper setter

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks.

- Location extent & Physiography of India Hkkjr dh vofLFkfr foLrkj rFkk /kjdk`fr(5)
- Geological structure of India Hkkjr dh HkwxfHkZd lajpuk (5)
- Climate & Climatic Regions tyok;q rFkk tyok;q izns'k (6)
- Natural vegetation & Forest Resources izkd`frd ouLifr rFkk ou lalk/ku (4)
- Origin & Mechanism of Indian Monsoon Hkkjrh; ekulwu dh mRifr rFkk izfØ;k (6) (Traditional & Recent views) ijEijkxr rFkk uwru fopkj
- Drainage: Drainage of Himalayan Region (North India) & Peninsular India. izokg iz.kkyh% fgeky; izns'k ¼mÜkj Hkkjr½ rFkk izk;}hih; Hkkjr dh izokg iz.kkyh (4)

#### Books Recommended:

1. Hkkjr dk o`gn~ Hkwksy % Ihñ chñ eksefj;k
2. Physical Geography of India : K. Sidharth
3. Hkkjr dk o`gn~ Hkwksy % caly
4. Hkkjr dk Hkwksy % Mkñ ihñ vkjñ pkSgku
5. India & Pakistan : O.H.K. Spate
6. India : A Comprehensive Geography : D.R. Khullar
7. A Geography of India : Gopal Singh
8. Hkkjr dk Hkwksy >kj[k.M dk izknsf'kd Hkwksy lfgr % ekeksfj;k rFkk Mkñ Hkwiky dqekj egrks

# GEOGRAPHY (H)

## Part – II (Hons.)

### Semester - III

#### Paper -8, Physical Geography of Jharkhand (30 lectures)

#### >kj[k.M dk HkkSfrd Hkwxsy

**Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 2½ Hrs. Pass Marks: 34**

#### Instructions to paper setter

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks.

- Geological Evolution of Jharkhand >kj[k.M dk HkwxfHkZd mnfodkl  
(4)
- Relief or Physiographic Units of Jharkhand >kj[k.M dk mPpkop ;k  
/kjdk`frd bdkbZ;k;  
(4)
- Climate & climatic regions tyok;q rFkk tyok;q izns'k  
(4)
- Vegetation & Forest Resources ouLifr rFkk ou lalk/ku  
(6)
- Major Soil Group & Soil Erosion eq[; e`nk leqg rFkk e`nk vijnu  
(4)
- Drainage & water Resources izokg iz.kkyh rFkk ty lalk/ku  
(4)
- Draught lw[kk  
(4)

#### Books Recommended:

- |                                                     |   |                      |
|-----------------------------------------------------|---|----------------------|
| 1. >kj[k.M dk Hkwxsy                                | % | Mkñ jke dqekj frokjh |
| 2. >kj[k.M dk Hkwxsy<br>egrks                       | % | Mkñ Hkwiky dqekj     |
| 3. Inside Jharkhand                                 | : | Dr. Sunil Kr. Singh  |
| 4. Bihar: A Physical, Economic & Regional Geography | : | Prof Enayat Ahmad    |
| 5. Monograph of Bihar                               | : | Dr. R.P. Singh       |
| 6. >kj[k.M ifjn`';                                  | : | lquhy dqekj flag     |

**Part – II (Hons.)**  
**Semester - III**  
**Paper-9, (Practical) (24 classes)**

**Full Marks: 50**

**Pass Marks: 23**

**Cartography: 03**  
**03**

- Maps & Diagram: Dot Method & Isoleth Method - 10 Marks  
 ekufp= ,oa js[kkfp=% fcanw fof/k rFkk leeku js[kk fof/k
- Statistics: Mode & Standard Deviation - 10 Marks  
 lkaf[;dh% cgqykad rFkk ekudfopyu
- Map Projection: Definition History & Classification - 15 Marks  
 : Conical Projection with one standard parallel  
 : Conical Projection with two standard parallels  
 ekufp= iz{ksi : ifjHkk"kk bfrgkl rFkk oxhZdj.k  
 : ,d ekud v{kak'k 'kaadq iz{ksi  
 : nks ekud v{kak'k 'kadq iz{ksi
- Viva & Practical record Book - 15 Marks  
 ekSf[kdh rFkk izk;ksfxd iqfLrdk

**Books Recommended:**

1. Maps & Degram : F.J. Mankhouse
2. Elements of Cartography : A.H. Robinson
3. An Introduction to Map Projection : J.A. Steors
4. Map Projection : George P.Kellewoy
5. xf.krh; Hkwxksy Hkkx&1 rFkk Hkkx &2 : izksñ Mhñ ihñ  
 IR;iFkh
6. iz;ksxkRed Hkwxksy : Mkñ ghjkyky
7. iz;ksxkRed Hkwxksy : tsñ ihñ 'kekZ

## Part – II (Hons.)

### Semester - IV

#### Paper – 10, Human & Economic Geography of India (30 lectures) Hkkjr dk ekuo rFkk vkfFkZd Hkwksy

Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 3 Hrs. Pass Marks: 34

#### Instructions to paper setter

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks.

- Agriculture: Major plantation crops of India: Rubber, Tea, Coffee & Coconut  
d`f"k% eq[; cXkÙkh Qly% jcj] pk;] dkWQH rFkk ukfj;y  
(8)
- Agriculture: Agriculture Regions & Agricultural problems (4)  
d`f"k% d`f"k izns'k rFkk d`f"k dh leL;k,i
- Industry: History of Industrial Development, Cotton Textile Industry & Iron & steel Industry m|ksx% vkS|ksfxd fodkl dk bfrgkl] lwrhoL= m|ksx rFkk yksgk ,oa bLlkr m|ksx  
(4)
- Industry: sugar Industry, Paper & pulp Industry & Industrial Region (6)  
m|ksx% phuh] dkxt rFkk yqXnh m|ksx ,oa vkS|ksfxd izns'k
- Power Resources: Petroleum & coal (4)  
'kfDr lalk/ku% isV@ksfy;e rFkk dks;yk
- Population: Growth, distribution & density (4)  
tula[;k% o`f)] forj.k rFkk ?kuRo

#### Books Recommended:

1. Hkkjr dk o`gn Hkwksy : Ihñ chñ ekseksfj;k
2. Indian Industry : K. Sidhartha
3. Hkkjr dk Hkwksy : Mkñ lqjs'k pUæ caly
4. Hkkjr dk Hkwksy : Mkñ ihñ vkj pkSgku
5. India & Pakistan : O.H.K. Spote
6. India : A Comprehensive Geography : D.R. Khullar
7. Hkkjr dk Hkwksy >kj[k.M dk izknsf'kd Hkwksy lfgr % Ihñ chñ ekeksfj;k rFkk Mkñ Hkwiky dqekj egrks

## Part – II (Hons.)

### Semester - IV

#### Paper – 11, Human & Economic Geography of Jharkhand (30 lectures)

#### >kj[k.M dk ekuo rFkk vkfFkZd Hkwxksy

Full Marks: 25 (MSE) + 50 (ESE) =75 Time: 3 Hrs. Pass Marks: 34

#### Instructions to paper setter

Out of ten questions, any four to be answered; i.e., 4 x 12½ = 50 marks.

- Population: Growth, distribution & density (4)  
tula[k% o`f+)] forj.k rFkk ?kuRo
- Metallic Minerals: Iron-ore, Copper & Bauxite (6)  
/kkfRod [kfut% ykSg v;Ld] rkack rFkk ckWDIkBV
- Non-metallic Minerals & Power Resources: Mica & Coal (4)  
v/kkfRod [kfut rFkk "kfDr lalk/ku% vcj[k rFkk dks;yk
- Industry: Iron - Steel, Aluminium & Engineering Industry (6)  
m|ksx% yksgk] bLikr],Y;qfefu;e rFkk vfHk;a=.k m|ksx
- Habitat, distribution & socio Economic condition of Santhal & Oraon (5)  
laFkky rFkk mjki; o dk fuokl forj.k rFkk lekftd vkfFkZd n'kk,i
- Distribution & Socio Economic condition & Recent changes: (5)  
Munda & Ho  
eq.Mk rFkk gks dk forj.k ,oa lekftd vkfFkZd n'kk rFkk uwru  
ifjorZu

#### Books Recommended:

1. >kj[k.M dk Hkwxksy : Mkñ jkedqekj frokjh
2. >kj[k.M % ,d lkekU; vè;;u : Mkñ Hkwiky dqekj egrks
3. >kj[k.M dk ifjn`'; : Mkñ lquhy dqekj flag
4. Inside Jharkhand : Dr. Sunil Kumar Singh
5. Jharkhand Encyclopedea : Ranen dro
6. Bihar : A physical, Economic & Regional Geography : Prof. E Ahmad
7. Monograph of Bihar : Dr. R.P. Singh

## Part – II (Hons.)

### Semester - IV

Paper-12, Practical (25 classes)

Cartography & Surveying: 04

## ekufp=kadu rFkk losZ{k.k% 04

Full Marks: 50

Pass Marks: 23

- Maps & Diagrams: Choropleth Method & spherical Diagram -10 Marks  
ekufp= rFkk js[kk fp=% Nk;kadu fof/k rFkk xksyHk js[kkfp=
- Map Projection: I. Cylindrical Equal- Area Projection -15 Marks  
II. Cylindrical Equidistant Projection  
ekufp= iz{ksi% I. csyukdkj le - {ks= iz{ksi  
II. csyukdkj lenwjLFk iz{ksi
- Surveying: I. Plane Table Survey: Radiation Method, Intersection  
Method & Open Traverse - 15 Marks  
II. Prismatic Compass Survey: Radiation method &  
Intersection Method  
losZ{k.k% I. lysu Vscy losZ{k.k% fofdj.k fof/k  
izfrPNsnu fof/k+ ,oa [kqyk pØe.k  
II. fizTesfVd dEikl losZ{k.k fofdj.k fof/k rFkk  
izfrNsnu fof/k
- Viva & Practical Record Book -10 Marks  
ekSf[kdh rFkk izk;ksfxd iqfLrdk

### Books Recommended:

1. Maps of Diagrams : F.J. Monkhouse
2. iz;ksxkRed Hkwxksy : Mkñ ghjkyky
3. iz;ksxkRed Hkwxksy : tsñ ihñ 'kekZ
4. xf.kfr; Hkwxksy Hkkx &1 & Hkkx& 2 : tsñ Mhñ ihñ IRiFkh
5. An Introduction to Map Projection : J.A. Steers
6. Surveying : Kanetkar & S.V. Kulkarni
7. A Text Book of Surveying & Levelling : R. Agor
8. Elements of Statics : Ramprakash Gupta
9. Statistics : Theory & Practical : N.M. Shah
10. Maps & Diagram : F.J. Monkhouse



**GEOGRAPHY (H)**  
**Part – III (Hons.)**  
**Semester - V**

**Full Marks: 30 (MSE) + 70 (ESE) =100 Time: 3 Hrs. Pass Marks: 45**

**Instructions to paper setter**

Out of ten questions, any five to be answered; i.e., 5 x 14 = 70 marks

**Paper -13, Human Geography (30 lectures)**  
**ekuo Hkwksy**

- Definition & Scope of Human Geography (4)  
ekuo Hkwksy dh ifjHkk"kk rFkk fo"k;&{ks=
- Human Race & Ethnic Group: Types, Physiological attributes & distribution  
ekuo iztkfr;k; rFkk u`rkfRod lewg% izdkj 'kkjhfd xq.k rFkk  
forj.k (4)
- Human Adaptation to Environment lk;kZoj.k ls ekuoh; vuwdqyu  
(6)  
I. Cold Region: Eskimo B.Mk izns'k% ,fLdeks  
II. Hot Region: Bushmen m".k izns'k% cq'kesu
- Plateau: Gond & Mountain: Naga iBkj % xksUM rFkk ioZr % ukxk  
(4)
- Cultural Realms of the World fo'o ds lkaLd`frd ize.My  
(4)
- Shifting Cultivation & Nomadic Herding (4)  
LFkkukarj.k d`f"k rFkk pyoklh i'kqpkj.k
- Distribution & Density of Population on the Earth's Surface (4)  
/kjkry ij ula[;k dk forj.k rFkk ?kuRo

**Books Recommended:**

- |                                    |   |                   |
|------------------------------------|---|-------------------|
| 1. ekuo Hkwksy                     | : | Mkñ ,lñ Mhñ ekS;Z |
| 2. ekuo Hkwksy                     | : | ,lñ Mhñ dkSf'kd   |
| 3. ekuo Hkwksy                     | : | lhñ ohñ ekeksfj;k |
| 4. Human Geography                 | : | B.S. Negi         |
| 5. Principles of Human Geography   | : | Huntigaton        |
| 6. Introduction to Human Geography | : | S.A. Sicken       |

7. Man & Land : A Cultural Geography : G. F. Carter  
 8. Human Geography : Majid Hussain

## **GEOGRAPHY (H)**

### **Part – III (Hons.)**

### **Semester - V**

**Full Marks: 30 (MSE) + 70 (ESE) =100 Time: 3 Hrs. Pass Marks: 45**

#### **Instructions to paper setter**

Out of ten questions, any five to be answered; i.e., 5 x 14 = 70 marks

### **Paper-14, Resource Geography (35 lectures)**

### **lalk/ku Hkwksy**

- Concept of Resource (Resource are not they become) lalk/ku dh ladYiuk  
 $\frac{1}{4}$ lalk/ku gksrs ugha cuk;s tkrs gSa $\frac{1}{2}$   
 (6)  
 Classification: Renewable resource & Non-renewable resource  
 oxhZdj.k % ufodj.kh; lalk/ku rFkk vufodj.kh; lalk/ku
- Economic Activities of Mankind: Primary, Secondary, Tertiary, Quaternary  
 & Quinary Activities (6)  
 ekuo leqnk; ds vkfFkZd fØ;k&dyki% izkFkfed] f}rh;d] r`rh;d]  
 prqFkZd rFkk iaped fØ;kdyki
- Conventional sources of Energy (Petroleum, coal & atomic energy in (6)  
 reference to the World) & Non-conventional sources of energy (solar  
 energy, wind energy, Geothermal energy & Biomass energy)  
 ijEijkxr mtkZ ds L=ksr  $\frac{1}{4}$ fo'o ds lanZHk esa isV<sup>a</sup>ksfy;e] dks;yk  
 rFkk vk.kfod mtkZ $\frac{1}{2}$  vijEijkxr mtkZ ds L=ksr  $\frac{1}{4}$ lkSj mtkZ] iou  
 mtkZ] Hkwrkih; mtkZ ,oa ck;ksekl mtkZ $\frac{1}{2}$
- Types of Forest, their uses & conservation (5)  
 ouksa ds izdkj] muds mi;ksx rFkk laj{k.k
- Commercial Fishing in the World: Major areas & factors of development.(4)  
 fo'o esa O;olkf;d eRL;;u% izeq[k {ks= rFkk fodkl ds dkjd

- Globalization, World Trade Organization & Human Development index (HDI) (8)  
oS'ohdj.k] fo'o O;kikj laxBu rFkk ekuo fodkl lwpdakd

### Books Recommended:

1. lalk/ku Hkwxksy : ,lñ Mhñ dkSf'kd
2. lalk/ku Hkwxksy : chñ ,lñ usxh
3. Geography of Resource : B. S. Negi
4. vkfFkZd Hkwxksy : d.kZ
5. vkfFkZd Hkwxksy ds ewy rRo:% eksgEen gk:u
6. Geography : A Study of Resource : Guha & Chattoraj
7. Economic Geography : J.W. Alexender
8. Economic Geography : C.F. Jones & G.G. Darkenklald
9. Economic Geography : K. Sidhartha
10. Economic & Social Geography : R. Knowles & J. Waring

## GEOGRAPHY (H)

### Part – III (Hons.)

#### Semester - V

#### Paper-15, Environmental Geography & Environmental studies

i;kZoj.k Hkwxksy ,oa i;kZoj.k v/;;u (30 lectures)

i;kZoj.k rFkk ifjra=

Full Marks: 30 (MSE) + 70 (ESE) =100 Time: 3 Hrs. Pass Marks: 45

#### Instructions to paper setter

Out of ten questions, any five to be answered; i.e., 5 x 14 = 70 marks

- Definition & Scope of Environmental Geography (2)  
i;kZoj.k Hkwxksy dh ifjHkk"kk rFkk fo"k; {ks=
- Fundamental concept of Environmental Geography (2)  
i;kZoj.k Hkwxksy dh vk/kkjHkwr ladYiuk,i
- Ecosystem: Meaning, types, Components & Function of ecosystem (2)  
ikfjra=% vFkZ] izdkj] la?kVd rFkk fdz;k fof/k
- Biogeochemical cycle: The Nitrogen cycle, the carbon cycle, the hydrological cycle & the phosphorous cycle (6)  
tSo Hkw-jlk;u pØ% ukbV<sup>a</sup>kstu pØ] dkcZu pØ ] ty pØ rFkk QkLQksjl pØ
- Distribution of plants & Animal on the earth's surface (2)  
/jkry ij ikS/kksa rFkk tho tUrqvksa dk forj.k
- Biome: Meaning & classification thokse% vFkZ rFkk oxhZdj.k (4)
  - I. Tropical Evergreen Rainforest Biome m".kdfVca/kh; Inkcgkj o"kkZou thoksse
  - II. Savanna Biome lokuk thoksse

- Environment Pollution: Sources of Pollutants, consequences & measures to control in reference to Air Pollution, Water pollution & Sound pollution. (6)  
i;kZoj.k iznw"k.k% ok;w iznw"k.k] ty iznw"k.k rFkk /ofu iznw"k.k ds lanZHK esa iznw"kdksa ds L=kksr] izHkko rFkk fu;a=.k ds mik;
- Hazards & Disaster: Meaning & Types: Natural Hazards & Man – Induced hazards Management of Environmental hazards/ disaster (with special reference to India)  
(6)  
vkink,; rFkk foink,;% vFkZ rFkk izdkj% izkd` frd rFkk ekuo d` r vkink,;A i;kZoj.k ,oa foinkvksa dk izcU/ku ¼Hkkjr ds fo'ks"k lanZHK esa)

### Books Recommended:

1. i;kZoj.k Hkwksy : lfoaæ flag
2. Biosphere : Dr. S. Thomson & K. Sidhartha
3. i;kZoj.k Hkwksy : chñ ,lñ usxh
4. Environmental Science : Jonson Turk & Amos Turk
5. Natural Ecosystem : W.B. Claphan
6. An Introduction to our Earth & Environment: J. Singh & D.N. Singh
7. ikfjLFkfrdh fodkl Hkwksy : Mkñ chñ ,yñ 'kekZ
8. i;kZoj.kh; vè;;u : Mkñ ,uñ ,eñ voLFkh
9. Text Book of Environmental Studies : Erach Bharucha
10. Environmental Economics : M.L. Jhingan & C.K. Sharma

## GEOGRAPHY (H)

### Part – III (Hons.)

#### Semester - V

#### Paper-16, (Practical) (50 Lectres)

#### Cartography & surveying - 05

#### dkVksZsxzkQh rFkk losZ{k.k dkVksZsxzkQh & 05

Full Marks: = 100

Pass Marks: 45

- Statistics: Quartile & correlation. Diagrams :Histogram & Scatter diagram  
lkaf[;dh rFkk js[kk fp=% prqFkZd ,oa lglaca/k  
A fgLVksxzke rFkk LdsVj js[kkfp= - 15 Marks
- Profile: Cross (Transverse) Profile & Long profile - 15 Marks  
ifjPNSfndk% vuwizLFk ifjPNSfndk rFkk vuqns;/Z ifjPNSfndk
- Map Projection: - 20 Marks
  - I. Polar Zenithal Equal - Area Projection
  - II. Bonne's Projection
  - III. Polyconic Projection

ekufp= iz{ksi%

I. /kzqoh; joe/; le-{ks= iz{ksi

II. cksu iz{ksi

III. cgq'kadq iz{ksi

- Surveying: **-20 Marks**

I. Plane Table Survey: Closed Traverse & Three Point Problem  
(Bessel's Method or Trial & Error Method)

II. Prismatic compass survey: closed Traverse

losZ{k.k% lysu Vscy losZ{k.k% cUn pØe.k rFkk f=fcUnq  
leL;k ¼csly fof/k½ fizTesfVd dEikl losZ{k.k% can pØe.k

- Viva & Practical Record Book **- 30 Marks**  
ekSf[kdh rFkk izk;ksfxd iqfLrdk

### Books Recommended:

1. iz;ksxkRed Hkwxksy : Mkñ ghjkyky
2. iz;ksxkRed Hkwxksy : tsñ ihñ 'kekZ
3. xf.kfr; Hkwxksy Hkkx & 1 rFkk Hkkx & 2 : Mkñ Mhñ ihñ  
IRiFkh
4. An Introduction to Map Projection : J.A. Steers
5. Map Projection : George P. Kellaway
6. Surveying : Kanettkar & S.V. Kulkarni
7. A Text Book of Surveying of Leaning : R. Agor
8. Element of Practical Geography : R.L. Singh
9. Element of Statistics : Ramprakash Gupta
10. Statistics : Theory & Practical : N.M. Shah

## Part – III (Hons.)

### Semester - VI

#### Paper-17, Population Geography (35 lectures)

#### tula[;k Hkwxksy

**Full Marks: 30 (MSE) + 70 (ESE) =100 Time: 3 Hrs. Pass Marks: 45**

#### Instructions to paper setter

Out of ten questions, any five to be answered; i.e., 5 x 14 = 70 marks

- Definition & Scope of Population Geography, Difference between population  
(5) Geography & Demography  
tula[;k Hkwxksy dh ifjHkk"kk rFkk fo"k;-{ks=A tula[;k  
Hkwxksy rFkk tukafddh esa vUrjA
- Recent trends of growth of Population in the world. Determinants of (5)  
population growth.  
fo'o esa tula[;k o`f) dh uwru izo`fUk;k;] tula[;k o`f) ds  
fu/kkZjd

- Distribution & Density of population in the world & India. Physical & (6)  
Human factors of uneven distribution of population in the world.  
fo'o rFkk Hkkjr esa tula[;k dk forj.k rFkk ?kuRoA fo'o esa  
tula[;k ds vleku forj.k ds HkkSfrd rFkk ekuoh; dkjdA
- Migration: Types of Migration, Causes & Consequences of Migration, (6)  
Internal migration in India & Recent trends of International Migration.  
izokl % izokl ds izdkj] izokl ds dkj.k rFkk ifj.kke] Hkkjr esa  
vkarfjd izokl ,oa varjkZ"V<sup>a</sup>h; izokl dh uwru izo`fÜk;k;A
- Over Population & under population Optimum Population and Population  
Resource region. (5)  
tukf/kD;] tukHkko] vuqdwyre tula[;k rFkk tula[;k&lalk/ku izns'k
- Composition of population in reference to India: Age & Sex Structure, (8)  
Literacy rate and Occupational structure  
Hkkjr ds lanHkZ esa tula[;k dk laxBu% vk;q rFkk fyax lajpuk]  
lk{kjrk nj rFkk O;olkf;d lajpuk

Books Recommended:

- |                                      |   |                    |
|--------------------------------------|---|--------------------|
| 1. tula[;k Hkwksy                    | : | Mkñ ,lñ ekS;Z      |
| 2. tula[;k Hkwksy                    | : | Mkñ ghjkyky        |
| 3. tula[;k Hkwksy                    | : | vkjñ lhñ pUnuk     |
| 4. Geography of Population           | : | R.C. Chandana      |
| 5. Population Geography              | : | Manjit S. Sidny    |
| 6. tula[;k Hkwksy                    | : | Mkñ jkenso f=kikBh |
| 7. Population Geography              | : | G.J. Demko         |
| 8. A Geography of Population         | : | G.T. Trewartha     |
| 9. Migration : A Special Perspective | : | S. Mehta           |
| 10. tula[;k Hkwksy                   | : | chñ ihñ iaMk       |

**Part – III (Hons.)**  
**Semester - VI**  
**Paper-18, Settlement Geography (30 lectures)**  
**vf/kokl Hkwksy**

**Full Marks: 30 (MSE) + 70 (ESE) =100 Time: 3 Hrs. Pass Marks: 45**

**Instructions to paper setter**

Out of ten questions, any five to be answered; i.e., 5 x 14 = 70 marks

- Definition & scope of settlement geography & types of settlement. (4)  
vf/kokl Hkwksy dh ifjHkk"kk rFkk fo"k; {ks= ,oa vf/kokl ds izdkj
- Pattern of Rural settlement with special reference to India. Distribution of rural population in India. (4)  
Hkkjr ds fo'ks"k lanHkZ esa+++++ xzkeh.k vf/koklksa dk izfr#iA Hkkjr esa xzkeh.k tula[;k dk forj.k
- Trends of urbanization in India, Census definition of town, numbers of towns and functional Classification of towns (with special reference to India). (6)  
Hkkjr esa uxjhdj.k dh izo`fÙk] uxj dh tux.kuk IEC/kh ifjHkk"kk] uxjksa dh la[;k rFkk uxjksa dk dk;ZkRed oxhZdj.k ¼Hkkjr ds fo'ks"k lanHkZ esa½
- Urban Morphology & Urban Problems. uxjh; vkdkfjdh rFkk uxjh; leL;k,a (4)
- Rural-Urban Fringe & Town Planning in India. xzkeh.k uxjh; mikar rFkk Hkkjr (6)  
esa uxj fu;kstu
- National Capital region & Metropolitan of Mumbai (6)  
jk"Vªh; jkt/kkuh izns'k rFkk eqEcbZ egkuxj

**Books Recommended:**

1. vf/kokl Hkwksy : Mkñ ,lñ Mhñ ekS;Z
2. Cities, Urbanisation & Urban System : K. Sidhartha & S. Mukherjee.
3. vf/kokl Hkwksy : vkjñ lhñ frokjh
4. vf/kokl Hkwksy :% ;kno
5. uxjh; Hkwksy %: Mkñ lqjs'k paæ caly
6. xzkeh.k Hkwksy % Mkñ lqjs'k paæ caly
7. Introduction to Rural Settlement : R.B. Mandal
8. Urban Geography : A Text Book : R.B. Mandal
9. uxjh; Hkwksy : ;q- ih- flag





## Part – III (Hons.)

### Semester - VI

#### Paper-19, Regional Geography of Asia & North America (36 lectures)

Full Marks: 30 (MSE) + 70 (ESE) = 100 Time: 3 Hrs. Pass Marks: 45

#### Instructions to paper setter

Out of ten questions, any five to be answered; i.e., 5 x 14 = 70 marks

#### ,f'k;k rFkk mÜkjH vesfjdk dk izknsf'kd Hkwxsy

- Asia: Physiography, Climate & Vegetation. (6)  
,f'k;k% /kjkrkÑfÜk] tyok;q rFkk ouLifr
- Asia: Mineral Resources & Power Resources (Petroleum), Major Industries, Plantation Farming in South East Asia & Population of Asia. (10)  
[kfut lalk/ku ,oa 'kfä lalk/ku ¼isV<sup>a</sup>ksfy;e½ eq[; m|ksx] nf{k.k iwohZ ,f'k;k esa ckxkrh Ñf"k rFkk ,f'k; dh tula[;k-
- North America: Physiography, Climate & Vegetation (6)  
mÜkjH vesfjdk% /kjkrkÑfÜk] tyok;q rFkk ouLifr
- North America: Agricultural Regions, Industrial region. Iron steel & Cotton textile industry of U.S.A. (6)  
mÜkjH vesfjdk% Ñf"k izns'k] vkS|ksfxd izns'k ;wñ ,lñ ,ñ dk yksgk-bLifr ,oa lwrh diM+k m|ksx
- Geographical Account of China, Japan & New England Region & California (USA)  
phu] tkiku rFkk U;w baXyS.M rFkk dSfyQksfuZ;k izns'k dk HkkSxksfyd foj.k (8)

#### Books Recommended:

1. ,f'k;k dk Hkwxsy : lhñ ohñ ekeksfj;k
2. ,f'k;k dk uohu Hkwxsy : lrh'k pUæ fla?ky rFkk txnh'k pUæ fery
3. ,f'k;k dk izknsf'kd Hkwxsy : ,lñ ,eñ tSu
4. The Continent of Asia : B. S. Negi
5. Asia : A Regional & Economic Geography : L.D. Stamp.
6. American Agriculture : Edward Higbee
7. mÜkjH vesfjdk : ouokjh yky 'kekZ
8. la;qDr jkT; vesfjdk : iq:"kksre tSu
9. mÜkjH vesfjdk dk Hkwxsy : Mkñ gfj'kad j xqlr
10. North America : A Historical, Economic & Regional Geography : R.Josen & P.W. Bryon
11. A Regional Geography of America : L.D. Stamp
12. fo'o dk izknsf'kd Hkwxsy : lkfgR; Hkou izdk'ku
13. mÜkjH vesfjdk dk izk:i : iq:"kksÜke tSu

## Part – III (Hons.)

### Semester – VI

Paper – 20 (Practical) (35 classes)

Full Marks: 100

Pass Marks: 45

#### Surveying, Map Projection & Field study: 06

#### losZ{k.k] ekufp= iz{ksi rFkk {ks= v/;;u% 06

- **Surveying:** Determination of Height by Indian clinometer & Levelling by Dumpy level losZ{k.k% Hkkjrh; Dykbuksehvj }kjk m;pkbZ dk fu/kkZj.k rFkk MEih ysoy }kjk leryu -20 Marks
- **Map Projection:** ekufp= iz{ksi % -20  
**Marks**
  - i. Merocator's Projection edsZVj iz{ksi
  - ii. Simple Sinusoidal Projection l; fluqlksbMy iz{ksi
  - iii. Gall's stereographic Projection xkWy LVhfj;ksxzkfQd iz{ksi
- **Practical Record Book & Viva** - 10 Marks  
ekSf[kdh rFkk izk;ksfxd iqfLrdk
- **Field Study Report of any part of India & viva** - 50 Marks  
Hkkjr ds fdlh Hkh {ks= dk v/;;u fjiksVZ rFkk ekSf[kdh

#### Books Recommended:

1. iz;ksxkRed Hkwxksy : Mkñ ghjyky
2. iz;ksxkRed Hkwxksy : ts- oh- 'kekZ
3. An Introduction to Map Rrojection : J. A. Steers
4. xf.krh; Hkwxksy Hkkx & 1 rFkk Hkkx & 2 : Mkñ Mhñ ihñ IRiFkh
5. Surveying & levelling : Kanettkar & S.V. kularni
6. A Text Book of Surveying & Levelling : R. Ajor
7. Elements of Practical Geography : R.L. Singh
8. fjlpZ esFksMksykWth : y{eh ukjk;.k dksyh
9. vuqla/ku ifjp; : ikjlukFk jk;
10. Research Methodology : Ram Ahuja