P-III (1+1+1)H/Pr/18 (N)
2018
GEOGRAPHY (Honours)
Sixth Paper
(Practical)
[New Syllabus]
Set - I

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

- Identify megascopically the given five specimens of rocks and minerals and point out any two characteristics of identification.
- The marks obtained by the students in an Examination are shown in the following table.

85	58	70	65	88	84	80	74	71	68
49	96	76	88	39	69	38	63	42	72
77	89	47	34	89	75	89	77	67	94
82	56	85	74	89	96	40	43	72	86
90	87	79	67	69	81	93	78	84	76

- (a) Prepare a cumulative frequency distribution table based on the given data. 4
- (b) Draw ogive (less than type) and show D_s and P_y, on the curve. 2+2+2

P.T.O.

1.23

 Average and SD of a surgle of size 100 are 40 and 10 negatively for the same set (N=100). Now if a particular value of 30 is replaced by 3, find out the new value of Average and SD.

A departmental store gives in survive training to its successure which is followed by a test. It is consistering whether is doubt terminate the service of any salesman who does not do well in the test. The following data give the test scores and sales made by nine salesman theing a certain period.)

Test Scores	14	19	24	20	26	21	13	20	19
Sales ('80) Ru.	31	36	41	37	50	45	33	41	19

- (a) Calculate the combinion coefficient between the unit scores and sales.
- (h) Does it indicate that the termination of services of low ten scores is junified.
- (c) The coefficient of correlation is independent of (i) change of scale only, (ii) change of origin only, (iii) both change of scale and origin, (iv) none of the above. 1042+1-13.
- 5. Obsum the line of ingression for the following data:

#1 1 2 3 4 5 6 7 8 9 #1 9 8 10 12 11 13 14 16 15 5

& Laboratory Notebook and Vivs-vocs.

2-3-5

P-III [1+1+1]M/Pr/18 [N]
2018
GEOGRAPHY [Honours]
Sixth Paper
[Practical]
[New Syllabos]
Set - II

Full Marks: 50

Time - Fran House

The figures in the margin industry full marks,

- Monthly respectively the given five specimens of recks and minerals and point out any two alternationals resembles.
- Merks in statistics of 60 students are given in the following table:

Mores:	<10	< 20	< 30	K 40	< 50	<60	s Tr
Properties:	5	13	24	30	52	58	60

- (a) Prepare a frequency distribution table and docume scole
- (b) Define Median

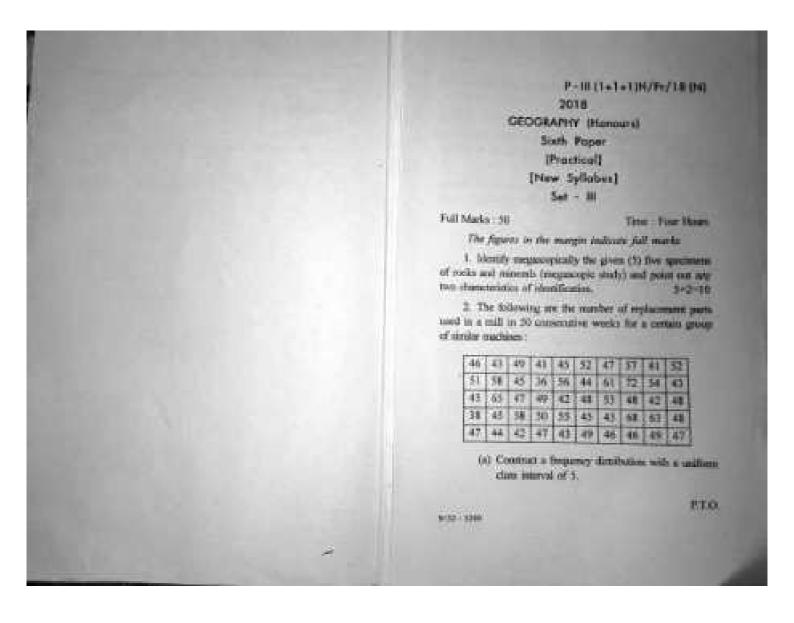
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PTO.

501:0H

123 a addressis Mess of the following frequency 13/8 6. (a) From the following data find out the regre einenburien is 1.68 and $\sum f_i = 100$. Find the mining Age in years 1 2 z, 0 1 2 1 4 5 6 7 Wought in bg : 6 7 9 12 18 17 22 L 2 1 13 7 29 7 10 3 2+2-4 (b) Find out the probable weight of a while of A voors old. 4. The following table shows the frequency distribution of 200 worker according to weekly income. 7. Laboratory Note Book and Visuomon. Socially assesse in Re. 281-250 251-360 361-350 351-400 No. of Workers 40 Weekly income in Ea. 401-400 | 451-500 | 501-550 No. of Workers 32 20 6 (ii) Determine the standard deviation (SD) of weekly (b) Celculate approximately the percentage of worken having weekly income between the Limit of Meia 2 SD. 6+2-8 5. Calcules Pearson's coefficient of correlation from the Administration date. Fertilizer uncel 15 18 20 24 30 35 40 50 (matric ters) : Producting **35 93 95 105 120 130 150 160** (States there) 10. 9131 - 1340

3+3+5



121

(b) Desix egive (less than type) and show Q_i and P_i on the surve.

(d) Define open.

842434242412

The numbers 3.2, 5.8, 7.9 and 4.5 laws frequencies
 (X+2), (x-2) and (x+6) respectively. If the arithmetic mans is 4.876, find the value of a.

4 In a small town, a survey was conducted in propert of profits/line mode by retail shaps. The following results were obtained.

Profit (1000)Ra	-3 30 -2	-72 -28 -1	7 4 0	m I	1 10 2	2 m 1	3 60 4	10 5	21 6
No. of Shops	3	10	20	29	45	42	28	15	

(a) Calculate the average profit made by a retail sleep.

(h) Calculate the usad profit made by all shops.

(c) Calculate the coefficient of variation of comings. 2+1+7=10 1.2.3

5. 9 Competition on paper presentation were partial by the two judges A and II or follow:

Compeniers		E		K	53			O	
Marks by Judge A	45	10	7	44	32	14	81	36	47
Marks by Judge II	51	12	38	54	50	34	63	5.0	97

(a) First Spearmen's rack correlation coefficients.

(b) The method of least squares dictates that we choose a regression line where the sun of the square of deviations of the posits from the lain; (aboose the correct one)

(b) Maximum

(ii) Minimum

(iii) Zero

(iv) Pentire

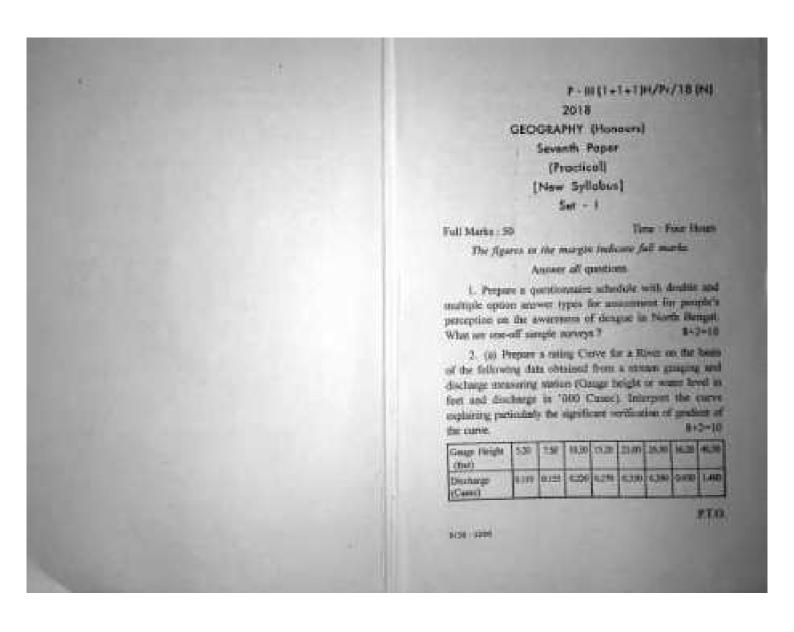
 (c) In simple linear regression, the marriers of ordension occurrence;

(i) One, (ii) Two , (iii) These, (v) Four \$+1+1=10

6. Laboratory Nose Book and Viva-voen.

3-3-5

MIT-1208



1 (2) 3

firege fleight	0,10	(0.90	45.00	44.30	45.00	43.56	45,762
Country (Count)	1.250	234	2.550	3.68	1300	1-ee	3.500

(b) Compare and draw a Lorenz Curve on the busis of the following set of data: Interpret the diagram. 8+2-10

promote a service and	Car September	STATE OF THE PERSON NAMED IN	and and the same	The state of	电力电子19 6
CD Blue	Pegula- Sire	Chief Popular SMI	Nate of the CD Block	Timal Popula- tion	Child Popula- tion
Anguer	110207	20406	Planetta	198945	10805
Potellall	142706	254060	Arabi	129100	23048
Fran	170904	Totals.	Jindds-1	115401	19900
Hapter nothput-E Hapter	00052	Dogga	BASE .	12366	37792
Authorit	108600	140021	Dagfermenti	112386	19900
Mathemia	9960	(390)	Delicarque	10000	19731
Southery	68546	10150	Handson	14(11)	2040)
Kathpur	Ancres -	20000	Manhous 2	125600	18399
Hats	127421	140032	Markette C.	10110	11860
Positivit	12500	11.137	Danleys	454073	12700

Draw section along the given line on the geological imp and interpret the map caster the heads of :

- (a) Geological structure.
- (b) Topography and its relation with the underlying unseture. 10+2%+2½=15
- 4. Laborousy Notificol and Viva-voce.

3+2-5

F-III (1+1+1)H/Pr/18 (Ho 2018 GEGGRAPHY (Honours) Seventh Paper (Practical) [New Syllabus] Set - II

Full Media : 50

Time: Four Hours

The figures in the margin indicate full marks

- Proper a specimensing for measurement of people's perception on the impact of Good on their livelihood.
- 2 (s) The distributions of arm under Eight different trops in the state of West Bengd for the year of 2011 and 2011 are displayed below. Using Weaver's method, identify the significant crops of the state for these two cerems years.

Area (n. (2002) 2000 113 Area Alla 129 219 200

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poget stand

120

(b) Mesoure the spatial distribution pattern of Sentences of the given S * S' quadrant with 36 sentences punites by computing Neurost Neighbour Index (NSS) 10

No. of Sentance:	Name of Settlement	No. of Ketlemen	Name of Senionese
1	Politisarian.	1%	Names
52	Describeratus	30.	Ladora
300	Mediatros	21.	Radion .
4.1	Scion	12.	Machidik
3.	Davidh	-33.	Charochal
- 4	Holipadit .	34	Arriver
1)	Kankidik	-25.	25/HTB
100	Pillehills	26.	Bosth
9.	Probable	27	Bashdih
10	Femde	28	Distincteds
170733	Chiera Bargords	28	Balyagomole
12	Dieselli	30.	Dangstung
13	Govadib:	31.	Soldie
047/	Starge Dormer	32.	Danger
15.	Harris	33.	Andraighte
16	Donde	34.	Palourola
17.	Jagatile .	35.	Namo-Gaghum
74	Charidh	34.	Gogdeni

3 (3)

 (a) Draw a protogoal section along the line CTI on the given map and interpret the same on the geological seconden.

(b) Calculate the amount of mur dip of bedding places of a ball with the help of the ball-starg information :

(i) Appenis Dip direction : N 20°40'E

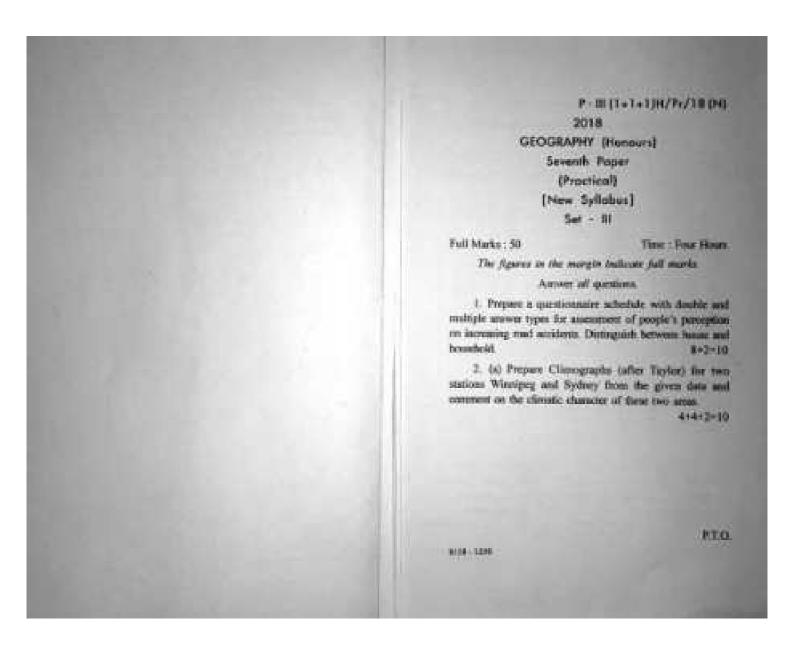
(a) Divinion length along the Section Like between two securitive artificilities of 400 feet and 600 feet in 1.3"

(ii) Scale of the geological map 4" to 1000 lies. 10+250-2250

4. Laboratory Nendrock and Vilva upon.

3+2+5

0.029 - 1200



(2) Table

Wethalb Temperature and Relative Harmity of Winnepeg and Sydney, 1990

	Wet Tanapera	bath. (are (**)-	Relative He	onidity 750	
Month	Windpel	Sidney	Winnipag	Sidney	
Immy	- 1.63	64.76	97.64	68.76	
February	2.81	67.64	98.62	23.76	
March	22.64	62.63	97.00	76.70	
Арей	35.64	00.78	8476	70.04	
May	45.50	56.84	71.92	77.79	
June	39,91	55.87	68.64	74.82	
Ab	60.34	49.36	75.60	75.65	
August	254.24	32.63	78.66	12.00	
Teprender	54.83	34.08	#2.AL	68.36	
October	40.00	57,66	75.06	60.07	
Ninembo	25.25	51.64	92.34	63.64	
December	16.31	6434	93.74	65.76	

Data Some Addin. 1931

(b) First out the areas of relative Concernation of Literate population with the help of the given data by operating Location Quotient Display the Nature of scoccusion on the given map (Map-I) and interpret it.

4+4+2=10

(3)

Table

Distribution of Total Population and Limite Population of Bustiers District, 2011

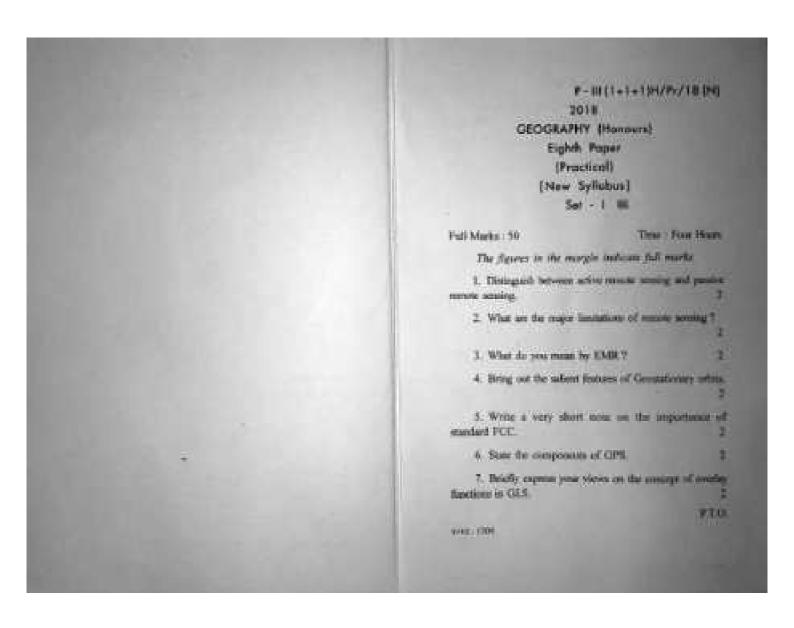
CD Block	Total Prepulsi tion	Educate Properly. Total	CD (libra)	E-parts	Liberala Prepular
fiahors .	13380	20000	Indian	Barrier.	
Mighie	88/111	JIMES	Confine :	168700	75.794
Computalighers	100074	40204	hyper	(Septim	AMARIA
Cinero	19600	46656	Volume	150000	
Indput.	156523	36120	Outr	Difference of	9
Harrison-4	THREA	34900	Teldmore		
flattata-it	LATERAL.	78516	Emiljadi	13430	
Bedom	202049	1100	Own	i Taga	200
Semmoklii	100001	MHI	Haritanit.	Links	1960
Permanen	194076	44531	Profession.	11000	
Paper	17077	44541	Corruga		360

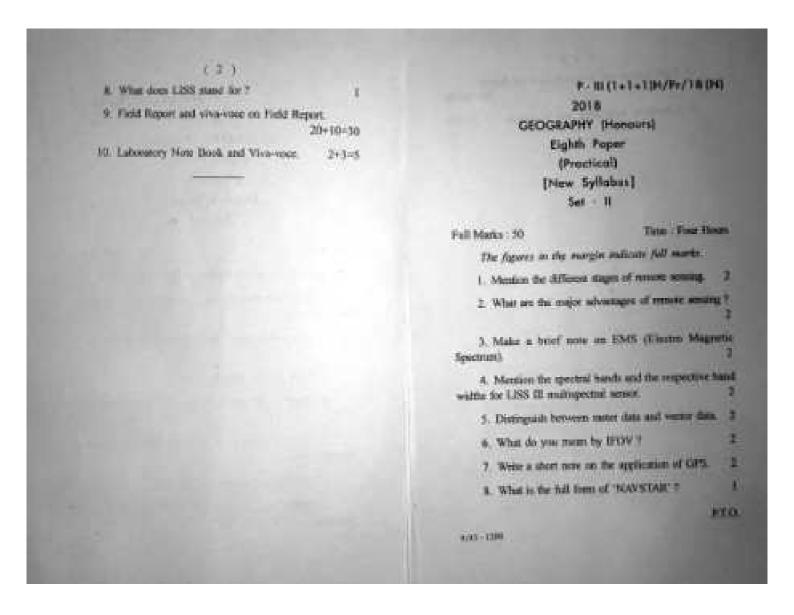
Date Stone COll. Same Diff (Street

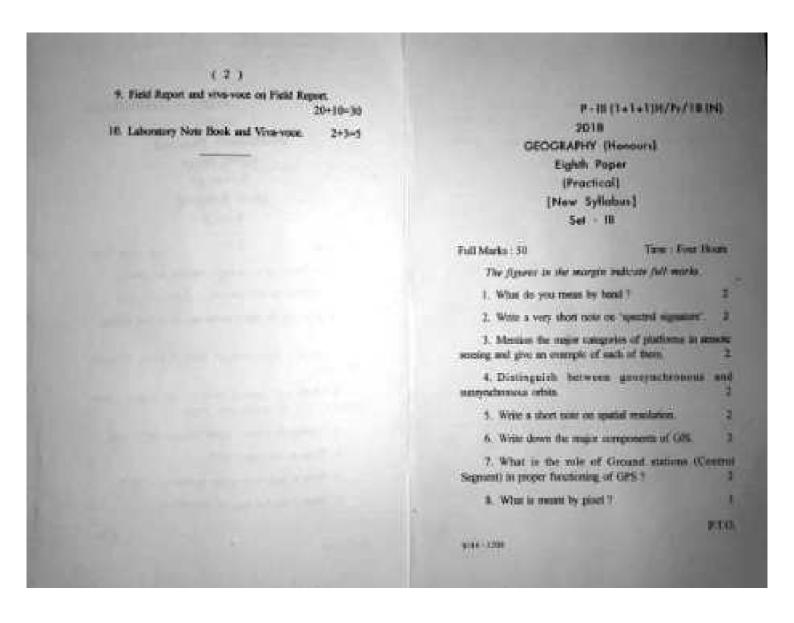
- Draw a Section along the given line AB on the geological map and interpret the map under the hillowing. heads:
 - (a) Succession of bolt-
 - (b) Topography and big relation to underlying structure. 10+25+25+15
 - 4. Laboratory Novebook and Viva-sour

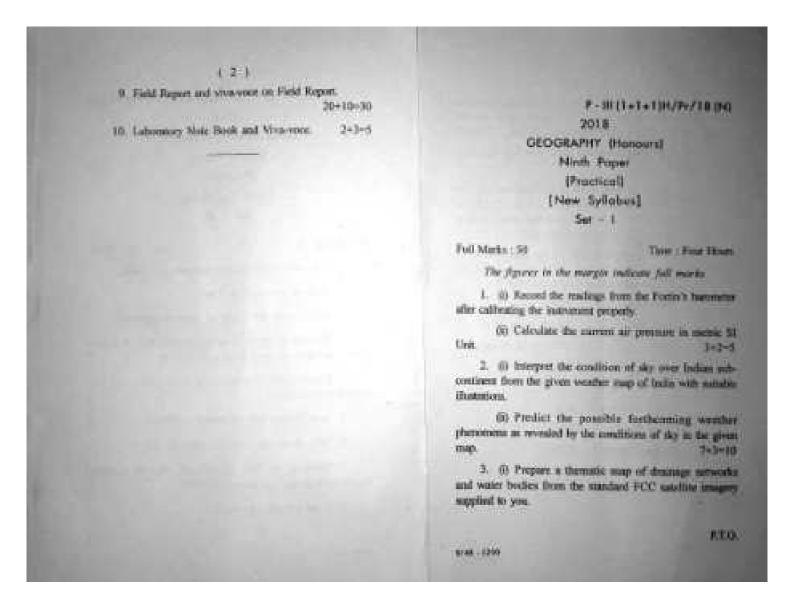
3-2-5

9/381-12eg









(E) 02.1 (ii) Now the scheet features of drainings networks (a) Over a stance comban system for sepand want bodies of the and concred by the given soleline reference to the process; parameters on which the arrays with the economies of visual interprenation. 7+3-10 coupes of the geo-referenced map will be 4. You are gross a scarced photo of a SOI Toposhoo preced the rates map will be prepared on of Editional scale Projection. 117M (Zene 42) in largest the stap to the ILW15 software plantium **Hillywood** WCK 84 se mater image and save it to a specified Sidder within a local disk with your Roll & No (without Dengy : WOS 1964 space on between the filterance. (iv) Trumfet the coordinates of at least fine known 66) Create a smerthade system file with reference to point from Lauten Conference Come to UTM the following geodetic parameters on which the and record it for bring and as in prints SOF Typoshed his been embedded by Conemie a gro-referenced map on USM. Projection Lumbert Conformal Costs Projection and note down the appendings of the Efferent Everest (India 1956) gives point a on the map. Chiles : Indian (India, Nepal) Princ : you will be allowed a manner of 216 worster to complete anneurone Q. Na. 4]. Fahr Eating 10 2+2+2+2+2=10 Ealer Northine 1.0 5. 6) level the following danner in a spreadsheet on Certail Meridian 1.8675 MS Excel and never it to a specified faktor within a Vent disk: Cleand Parallel :34°N with year Roll & No (without space is between) in Timusta. Standard Parallel 1 : 35°N Standard Parallel 2 : 12"N PLO \$118 - 120d

CH.3

Financial	Fir Oppo No. 1	ide Demonte Product	Sawwin ch	
Year	Audion Headon	Accounted Products	Agonn	
Jun 40	1079	1764	1 Person	
390.40	Billia	£700	IACI	
DEC. SE	2901	19037	35467	
2011-01	2100	36731	14/383	
200-00	2633	28171	1036	
28841	125ALL	39(17	19727	
article.	yertas	1656	31396	
Million .	AUTH .	397)4	2490	
MON ID	WALK .	59000	2836	

4) Reserve Stand of Judia, 2017

(ii) Calculate the Median values of per capita on mate demonic product of the three Indian Seaton for the Account of 2001-2010

(8) Which among the three enters experiences maximum diretains of percepts not showere product in the should of 2001-2000.7 Amount by calculating the Standard Denueton for each state.

(iv) Prepare a line graph to represent the above data and label it properly using MN excel chart layout options.

[Nine: Its will be allowed a maximum of 20 memors to complete automoting Q. No. 5] 2+2+3+3=10

ii. Laboratory Note Book and Viva-soce. 2+3=5

P-III (1+1+1)H/Fr/18 (N) 2018

GEOGRAPHY (Honours)

Ninth Poper (Practical)

[New Syllobus]

Set . II

Full Marks: 50

Time: Four House

The figures in the margin between full marks

- 1. (i) Record the readings from the given by pursuan
- (ii) Calculate the hemistry of ambout or end connect on K. 3+2+5
- (i) Interpret the wind condition over hallon subconferent from the given weather map of helic with mitable distriction.
- (i) Predict the possible furtherming weather phenomena is revueled by the wind conditions in the given map. Tw3=10
- (i) Prepare a theracic map of segmetion correlage than the moderd FCC untillic imagery supplied to wee.
- (ii) Note the special pattern of segments cover on the area covered by the given satelline image with the techniques of visual interpretation. 2+3-10

63.0

9/49/1208

(2)

4. Visi are given a rightel weather map in bitmup intage former.

- ii) Import the map to the ILWS software platform as rater image and save it to a specified folder within a least fish with your Roll & No (withing space in between) as filename.
- (ii) Create a coordinate system file with retirence to the fishiswing productic parameters on which the given weather map has been embedded:

Projection

Onthographic

Hillmoid

INA

Distant

MA

Falm Parties.

10

Palse Processing

10

Control Meridian

: 170°E

Central Parallel

14078

(iii) Create an alternative coordinate system tile with reference to the growhite parameters on which the output of the geo-inferenced map will be generated. The output map will be propored on:

Projection

- UTM (Zene 59)

Elignoid

: WGS 84

Determ

1 WOS THEA

(-3,)

- (bi) Transfer the coordinates of at least that known priors from Orthographic to UTM projection to the and record a few being until as its points.
- (v) Concrete a gen-referenced map on UTM Projection and note drawn the conditions of the given poor a on the ring.

[Note: You will be allowed a number of 20 months to complete interesting Q. An. 4]

2>2×2×2×3×2×20

5. (i) Interest the following demons or a operationing on MS Second and over it to a specified fisher nation a local disk, with your Roll & No (without space in between) as follows:

	DIGINA FORESON TRACE ROUTETS RELEIRO								
Year		hors	limpyrin.						
	(36	Nan-Oil	CIE	50m.436					
3001.02	100.07	1989.11	WEND	(76.76					
3003-01	131 e9	3404.69:	milet -	21.00.00					
2003-04	343.17	The pri	100.00	244.00					
300+01	314.01	1439/23	1240.04						
2005-06	210.25	400E25	1964.40	- Jan 200					
2006-01	145,20	49(7) 79	298579						
200740	1941.92	5896.72	1204-14	MANAGE TO					
3.05.00	1333796	TIME	a tries etc.	9504.00					
2005-00	1129.90	713476	4116.46	4500.00					

Source : Reserve Bank of Fados 2005

PEO

9499 (1709)

iii) Calculate the net balance in fireign trade of Oland Non-Oil products in India for each Founcial year (iii) Calculum the Standard Deviation for exports and imports of Oil and Non-Oil products over the decade of 2001-2010 (iv) Show the trend of relationship between the raports of Non-cil products and imports of Oil products in Spenge male of India over the decade of 2001-2010. Label them preparly using MS excel chart beyon options. Diene: You will be allowed a maximum of 30 minutes to complete assumpting Q: No. 5]: 2+2+3+3-10 2+3-8 6. Laboratory Note Book and Viva-voce.

F-01(1+1+1)6/F-/18 D45 GEOGRAPHY (Homeum) Minth Poper (Proctical) [New Syllabus] Set III Time: New House Full Marks: 50

The figures in the everyor hall our full marks

- 1. (i) Record the readings from the Form's beneficial after suttening the teamurous property.
- (ii) Calculate the output air pressure in morrie 51.
- 2. 6) Istoport the soudition of attemplace presents ever Julian sub-continent from the given weather map of halls with possible dispersions.
- 60 Prodict the possible fertbooming senting photomics at revenied by the pressure analities in the grant 710-10
- 1. 6) Proprov a dismatic map of dealings naturally and water bodies from the standard FCC untilly treapers magnitud to you.

P300.

ACCOUNT

(20)

(i) Note the minet feetures of disinger networks and separ bodies of the arm covered by the given smaller strape with the neferiques of visual interpretation. F+3=10.

4. You are given a screened plant of a SOI Toposheer of 2:50,000 scale.

- 6) Import the map to the E.W15 software pisetions as enter image and save it to a specified folder within a heal disk with your Rell At No (without space in between as filename.
- (ii) Cross a coordinate system file with relatince to the following geodetic parameters on which the SOI Toposteet has been embedded:

Projection Lambort Conformal Conic

Ellipsoid : Everent (India 1956)

Debere Indian (India, Nepal)

1.0

Felse Easting : 0 Folia Morthiga

Costnil Meridian 180%

Central Porollel 124°W

Standard Parallel 1 : 35"N

Standard Parallel 2 : 12"N

0.311

(ii) Create as discretive considers system file with effective to the geodesic parameters on which he comput of the government may will be gricinal. The major map will be perposed on

Projection UTM (2md 42)

Digwid WCS M Donum WIGH HOME

- (b) Transfer the coordinates of at least first known Jesses Duni Cambert Continues Come to E7Thd and second is the feeing sense as the prints
- (v) Generale a geo-raftermed map on USM Proportion and note dance the quantitative of the given point a an the map.

Diene : New will be afterwed a maximum of 20. Minutes to complete amounting (2 No. 4).

5. (c) Insert the Softward descript at a specialishes on MS freed and save it to a specified State within a book dies. with your Roll & No (without spent in however) as filtrame.

PIO.

MO674388

State/Union Territory	Run		ow Poverty Line (2011-1) Urban		
	No. of Persons (Thousands)	Poverty line (C)	No. of Persons (Thousands)	Poverty line (C)	
Arunachal Pradesh	425	930.00	66	1060,00	
Assam	9,206	828.00	921	1008.00	
Manipur	745	1118.00	278	1170.00	
Meghalaya	304	888.00	57	1154.00	
Mizoram	191	1066.00	37	1155.00	
Nagaland	276	1270.00	100	1302,00	
Tripura	449	798.00	75	920.00	

Source: Reserve Bank of India, 2017

- (ii) Calculate the difference of rural and urban poverty line of each of the Seven Sister states of North East India.
- (iii) Calculate the Mean Poverty Line for rural and urban areas separately for the North-east India.
- (iv) Represent the distribution of persons below poverty lines in urban and rural areas separately among the North-east Indian states with two separate divided circles and label them properly using MS excel chart layout options.

[Note: You will be allowed a maximum of 20 minutes to complete answering Q. No. 5] 2+2+3+3=10

6. Laboratory Note Book and Viva-voce. 2+3=5

P-III (1+1+1) H/Pr/17 (N)

2017

GEOGRAPHY (Honours)

Sixteenth Paper

(Practical)

[New Syllabus]

Set - II

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

 (a) Interpret the Indian Daily Weather Report given to you with special reference to precipitation and cloud cover with suitable maps, charts and diagrams.

(b) What is meant by pressure gradient?

4+4+2=10

- (a) Take reading from Maximum and Minimum Thermometer and calculate the diurnal range of temperature from the given instrument to you.
- (b) Account for the suitable condition for setting up of Simon's Rain-Gauge. 4+1=5

3. Field Report and Viva-voce.

20+10=30

4. Laboratory Note book and Viva-voce.

3+2=5

STANCTION THE STANCE

P-III (1+1+1) H/Pr/17 (N)

2017

GEOGRAPHY (Honours)

Sixteenth Paper

(Practical)

[New Syllabus]

Set - III

Full Marks: 50

. Time : Four Hours

The figures in the margin indicate full marks.

- (a) Find out the zone of high pressure and low pressure and interpret pressure conditions as a whole depicited on the given weather map.
- (b) Interpret the direction and speed of flow of wind on the area of given Weather map.
 - (c) What do you mean by weather forecasting? 6+3+1=10
- (a) Take reading from the instrument (Hygrometer) give to you and compute Relative Humidity.
- (b) What is the name of measuring instrument in 4+1=5
 - 3. Field Report and Viva-voce.

20+10=30

4. Laboratory Note book and Viva-voce.

3+2=5

9/49 - 500

33-30

P-10 (1+1+1) H/Pr/1704 2017 GEOGRAPHY (Honours) Fifteenth Poper (Practical) [Revised New Syllabus] Set - 1 Full Marks: 50 Time : Figur Hours The figures in the margin indicate full morks. 1. What is primary data 7 What do you mean by Maled Questionnine Method of collecting primary data? 2+3=5 2. Represent the following data by Runk-Size Bade. In: there any primacy in the distribution? 8-2-10 Rank. **Population** 4580544 1 2 1008704 1 492996 4 486304 3 441956 392150 6 389214 7.TO

1	(3)
1	348379
9	336390
10	314334
11	290067
12	285871
(3	284615
14	271781
15	261575
16	250615
-17	231515
18	220032
19	215432
20	207984

(a) Write the full form of LISS. Deferentiate forward swerlags from located overlags.
 (2+3=5)

(b) Maximum shrude of a playground above mean sea level : 10,000 ft. Minimum shirude of the same playground above mean sea level : 6000 ft. A photograph of that playground was taken from height above mil-10,000 ft. Calculate the scale of that photograph.

4. Prepare an over lay of road network from the given satellite image.

5. Insert the following data set in spread short of NIS Eastel 2007 and prepare a scorter diagram. Also add trend line to the pion and diapley equation and \mathbb{R}^3 on the pion

(Plotting : 2+ Labeling : 1 = Trend line, 8² and equation display : 21 = 5

		الرب المشتقول
Months of the year 2010	of Main (%)	MMax_Temp of Bulungtun (°C)
Junus	21	21
February	79	26
March	35	33
April	37	37
May	35	35
Jane	34	35
July	33	54
August	34	34
September	33	34
October	32	33
November	30	11
Documber	25	26

133

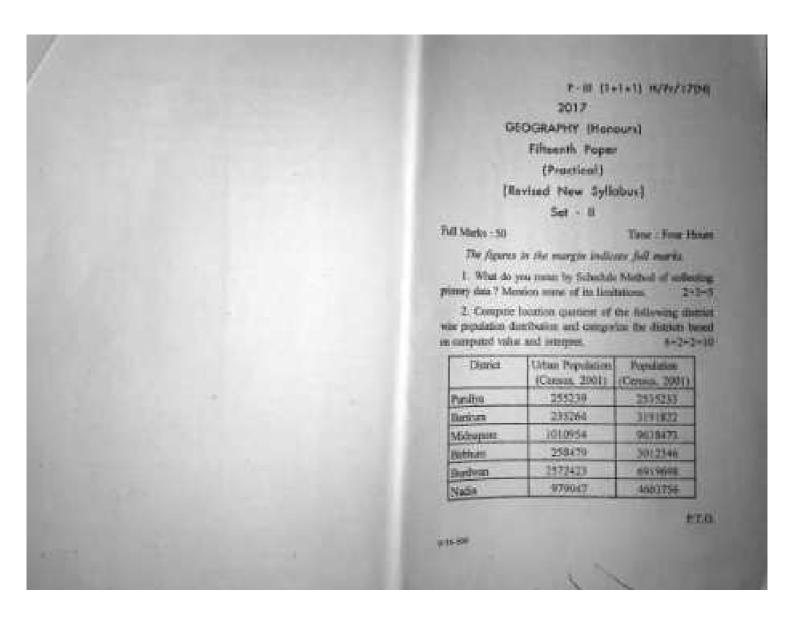
6. Import the given nature in ILWIS Software. Course a prographic co-ordinate system (Everon, inche 1956 as Ellipseid and Indian, India Nepul as Outare), Consentences the imported may as the co-ordinate system content by you and then have down the value of so-ordinate point of Soir outars of the map to see the deviation from those of sourced range.

2+2-642+10

T. Laboratory note book and nive stone.

3+2+5

N25-800



	IA T.F.				
O tranger	394471	2441424			
Malda	349915	3290160			
Houghey	1687410	3040047			
Honorth .	2153571	4274010			
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Dagaling	120877	1605900			
Lesion I	4580544	4580544			
D. Disappar	196643	1502647			
36 Purpose (S)	105(973-3	6909015			
24 Pargama (26)	4849218	NV10295			
Television	603887	3403204			
Cooddefut	223506	2428280			

 (a) Defew photogrammetry. What on the limitations of this balletipe?

> (b) Scale of a serial photograph is 1 : 24000 Distance between two points on that photo : 6 sets

Calculate distance of corresponding (we points on ground.

Prepare an everlay of scribinsons from the given smalle invent

5. Insert the following data in spread sheet of MS Excel 2007 and prepare a pic graph to visualize the % of monthly restell value to around total of the station. (Data Finity : 1 + Chart preparation: 2 * Labeling : 3) = 1

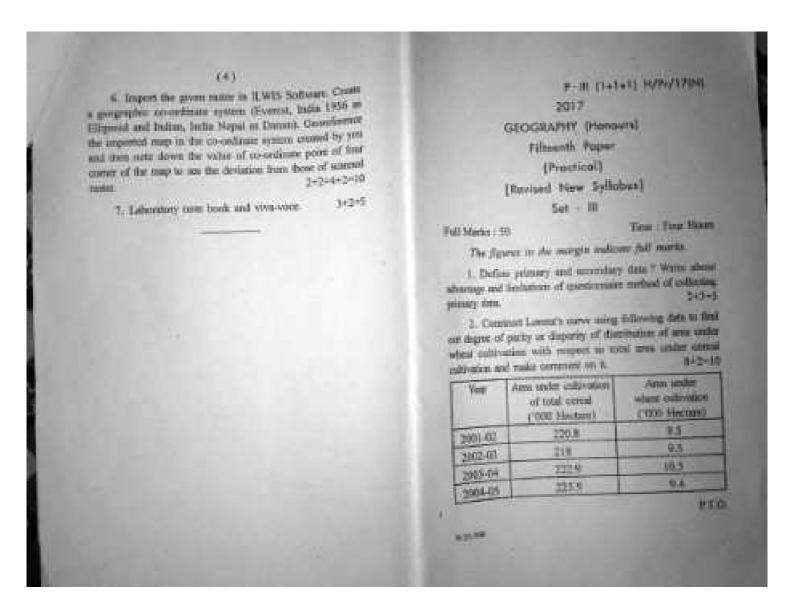
Month	Normal Briefall of of Maleia (1999)			
January	11			
February	11			
54mm	11			
April	39			
May	1111			
June .	229			
Ady	353			
Augus	303			
Septimber	297			
October	02			
November	12			
Documber	10			

6. Impact the given rance in ILWIS Suffware. Occurs a geographic co-ordinate system (Uverest, India 1956; as Ellipsoid and Indian, India Porpal as Datum). Georeformed the imported map in the co-ordinate system around by you and then note down the value of co-ordinate point of four corner of the map to see the deviation from those of samuel rance.

7. Laboratory note book and wive-scott.

31215

9016-106.



Mainer attained the period stone men sea

Mismon altitude of the ground shour mone was fewel : SOUTH PL

Gibidus the average scale of a photograph of that general nucleus.

(b) What is federal much? What are the differences because Principal Point of the pholograph and Plans Nadir

4 Propert as circles of interment from the given

5. Incer the difference that in spread when it 500 Excel 2007 and people a water plot, Add remit like to the plot

and display R. and equation cat the plot.

Plat - 2 - Trend live opening R during (2 + Leading 1) - 3

Mode	Rantill compt	Grand ment?
2000000	Name of	maryn bou
	THEO IN TELLS	2000 2017
Samoo	Horro.	1,423
Administra	96(3)	8,523
Fillians	256.3	22 (41)
Menth	3768	1.036
April.	H5.5	33-569
Mary	2435.6	
Title	4990.6	1255,492
346	4079.6	1712 332
August	4100 9	1154.428
Squadur	3409.3	
October	2322	1175.61
Movember	28.4	(27)1
Documen	132	

PTAIL

MINE SHE

143 8. Insport the given mater in ILWIS Software, Create P-UI(1+1+1] H/PV/TPRO a gaugraphic co-ordinate system (Domest, India 1956 as 2017 Elliptood and Indian, India Meyer as Datum). Georgieteer GEOGRAPHY [Hinnours] the imported map in the co-ordinate system created by you ned then note down the value of co-ordinate point of fast Fifteenth Popur center of the map to see the deviation from those of scarned [Practical] residen. 2+2+4+2=10 [Revised New Syllabus] 7. Laboratory Note-Book and vive-your. 312-5 Set - IV Full Marks : 50 Tree | Foor Hours The Agrees in the margin radicate full muria I. What do you room by open and and about and question? What are the advantages and limitations of quitionaire nurhed of collecting premary data? 2. The suitable technique to show graphically the purby or dispurity of any irrigated from surface water scatters with. repeat to total irrigated one and make comment on A ... 6+2+10 Acto under surface Total Arms Year mound water brigation. (*600 Hecturo C000 Boctom 62.36 2001-02 56.9 16.26 2002-43 15.76 2003-84 38.55 34.63 3639 3094-05 PTO PART

2006-07 2007-08 2008-09	35.49 27.98 37.978	20.40 16.23 15.23	Year	Reinfall (serr)	Actual Evapotroministica (nm)
2009/10	27.573	16.2)	2000	1703.6	465 (99
2018-11	46941	30.043	2003	1794.5	722.16
2015-12	52,56	30.01	2002	16573	791.13
26(3-13	40.04	19,62	2093	1699	785.X
2013-14	15172		2004	1612.9	766.92
	hat he match flow 7.56 the cost of its core.	ow is it demanded on	2905	1647.2	729
		2/2/10	2006	1121.5	678.36
	hef displacement of a 30 inch.	photographed object	2007	1317.6	728.09
1000	CONTRACTOR OF THE PARTY OF THE	ween top of that	2006	1372.4	708.55
140	supported officers and	salisational contrat of this	2009	1101.7	630.55
plus	at : 2.30 meh	And the Army artists	2018	1634.6	718.27
Fly	ing height above and	und (while taking the	2011	1462.6	147.34
1000	(0.13000 ft.		2012	1259.5	640.99
Cali	wine height of that p	honymphel object. 5	2013	1433,6	662.55
4. Propert	an overlay of semi-	ment from the given	2014	1364.6	711.79
after mela		3	2015	1572.1	255.28
AUT MANA PROPERTY	n following data in up it is active plot. Add red equation on the pi	and short of ACS Excel found line to the plot st.	N. SA. Int.		PTA

and then note down the value of accordance point of four corner of the map to see the deviation from those of scannel curso. 2+2+4+2+10

7. Laboratory Note Book and viva-seco: 3+2×5

3-11 (1-1-1) H/N/12704

2017

GEOGRAPHY (Honours)

Fillmenth Fogur

(Fractical)

[Revised New Syllaber]

Set - YE

Full Marky 50

These ! How Hours

The figures in the margin indicate full martie

- I Mention ments and brobations of Osensoroune Method of collecting primary data. The Proof.
- Ferliveing take show data on Compa Lavel (no) of a street. Calculate discharge for corresponding Gauge Lavel using following rating curve equation and plot for data for prepare a setting curve.

The Rating Equation : Q = 49.015 (Q = 0.0) FACE

Owage, -O mo	Distance Q (mbs)
3.8	.7
4.7	-21
5.5	-1
3.83	7

ATIO.

6.55					
6.9	7				
7.1	7				
CONTROL OF					

7.35

135

5+5-10

 (a) What is spectral signature 7 Write about importance of relief displacement property of vertical serial photograph.

2+3=5

> (b) Focal length of the serial carrers = 12 inch. Flying height above mean sou level = 900 ft Elevation of ground = 300 ft

Using the above information calculate the scale of serial photograph. 5

- 4. Prepare an overlay of drainings network of the given smellite image using visual interpretation technique. 5
- Insert the data from following table in Spread Short of MS Excel 2007 and perpure a line graph.
 (data insert = 3 + Chart perpuration = 2 + Labeling = 2) = 5

131

Visar	Area under coltrosters of Areas Paddy (*000 Hiotase)
1999-00	172
2008-01	166
2001-02	164.7
2002-03	163.3
2003-04	165.2
2004-05	167.1
2005-04	139
2006-07	132.4
2007-01	147,9
3008-09	154.7
2009.10	149.9
2010-11	151.6
2011-12	149.6
2012-13	158.5
2013-14	157.5

6. Import the given raster in II.WIS Settmare. Create a geographic co-collision system (Everest, India 1956 as Ellipsoid and Indias, India Nepal as Datam). Georgianans the imported map in the co-ordinate system created by you.

P.7500.

1779-100

P-III (1+1+1)H/Pr/17 (N)
2017
GEOGRAPHY (Honours)
Fourteenth Paper
(Practical)
[New Syllabus]
Set - I

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

Asnwer all questions.

- Identify the set of rocks and minerals specimens (5) given to you and mention their at least two megascopic identification characteristics for each.

 2×5=10
 - 2. (i) What is 'snow ball sampling? Give example.
- (ii) Arrange the following data into simple frequency distribution and calculate 'median' and 'mode'.

Table - 1 Daily Number of Car Accidents

4, 6, 5, 4, 4, 6

3, 5, 4, 5, 3, 5,

4, 4, 5, 6, 4, 3,

5, 5, 3, 3, 5, 4,

(T) 6, 5, 5, 4, 5

P.T.O.

0	2	2)
200			17.0

The following data are the percentage of urban population for the states of India, 2001.

49.77.	49.50.	43.86,	42.40,	37.35,	33.98,
33.95,	29.00,	28.03,	27.08,	26.67,	25.97,
25.59,	24.48,	23.88,	23.38,	22.25,	20.78,
20.41,	20.08,	16.63,	17.74,	17.02,	14.97,
12.12,	11.10,	10.47,	9.79		

- (iii) From the data given above calculate the frequency densities for each class and draw histogram using it.
- (iv) Draw a cumulative frequency polygon (less than type) and plot 6th decile and 2nd quartile on it.
- (v) Find out the number of states whose urban population percentage fall within 5th and 8th decile.

2+2+2+4+4+2+4=20

- (i) Draw a geological section along the given line and interpret its geological succession and geological structure.
 - (ii) What is 'in lier' and 'out lier'?

8+21/2+21/2+2=15

Laboratory Notebook and Viva-voce. 3+2=5

P-111 (1+1+1)H/Pr/17 (N)

2017

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

[New Syllabus]

Set - II

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

Answer all questions.

Mention the characteristics of the given set of rock and mineral specimens (5) given to you and identify them.

2×5=10

- 2. (i) What is frequency density? When is it used?
- (ii) .If mean and median of a frequency distribution are 25 and 23 respectively find out mode.
- (iii) Draw ogives from the following data (Table-1) and calculate median.
- (iv) Calculate 6th decile and 27th percentile and show on less than cumulative frequency polygen.

P.T.O.

9/20-500

Table - 1: Height of students in inches

Height	Number of Students			
60 - 62	5			
63 - 65	18			
66 - 68	42			
69 - 71	27			
72 - 74	8			

- (v) Calculate mean absolute deviation about median.
- (vi) From the following table (Table-2) calculate the value of 'r' and comment on the degree of relationship.

Table - 2

X:	2	9	3	25	6	17	5	?
Υ:	3	12	4	?	10	22	3	15

(Arithmetic mean of 'X' and 'Y' series are 11 and 10 respectively). 2+2+5+2+4+2+3=20

- (i) Draw a geological section along the given section line and arrange the rock beds in order of sequence.
 (Map-1).
- (ii) Interpret the topography and geological succession of the map. 10+21/2+21/2=15
 - 4. Laboratory Notebook and Viva-voce. 3+2=5

P-III (1+1+1)H/Pr/17 (N) 2017

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

[New Syllabus]

Set - IV

Full Marks: 50

Time: Four Hours

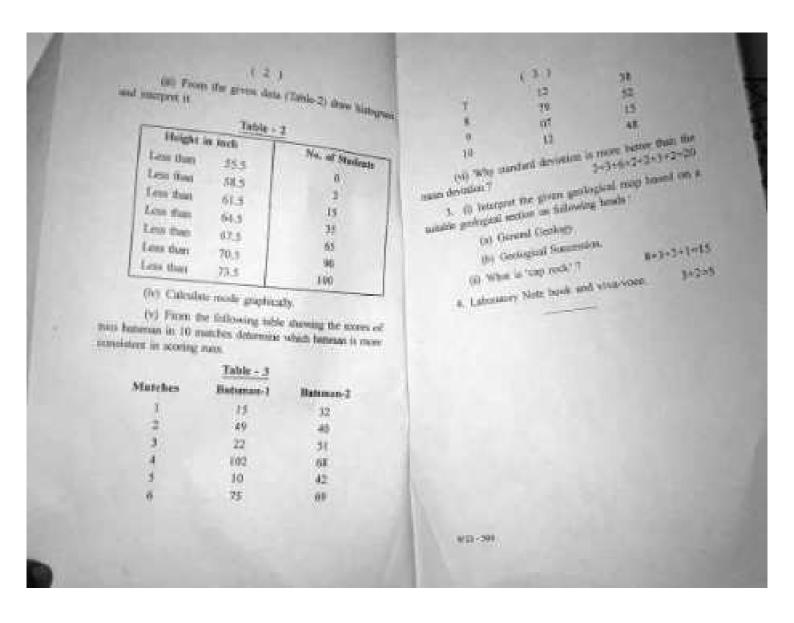
The figures in the margin indicate full marks.

Answer all questions.

- 1. (i) What is the difference between rocks and minerals?
- (ii) Mention the megascopic identifying characteristics (at least two) of the rock and mineral specimens (4) given to you and write down the name of them. 2+(2×4)=10
- 2. (i) What is the difference between probability sampling and non probability sampling?
- (ii) From the following cumulative frequency distribution find out semi-interquartile range.

Table - 1

Class boundary	10	15	20	25	30	40	50	60	70
Cumulative frequency	0	4	16	32	54	64	72	78	82



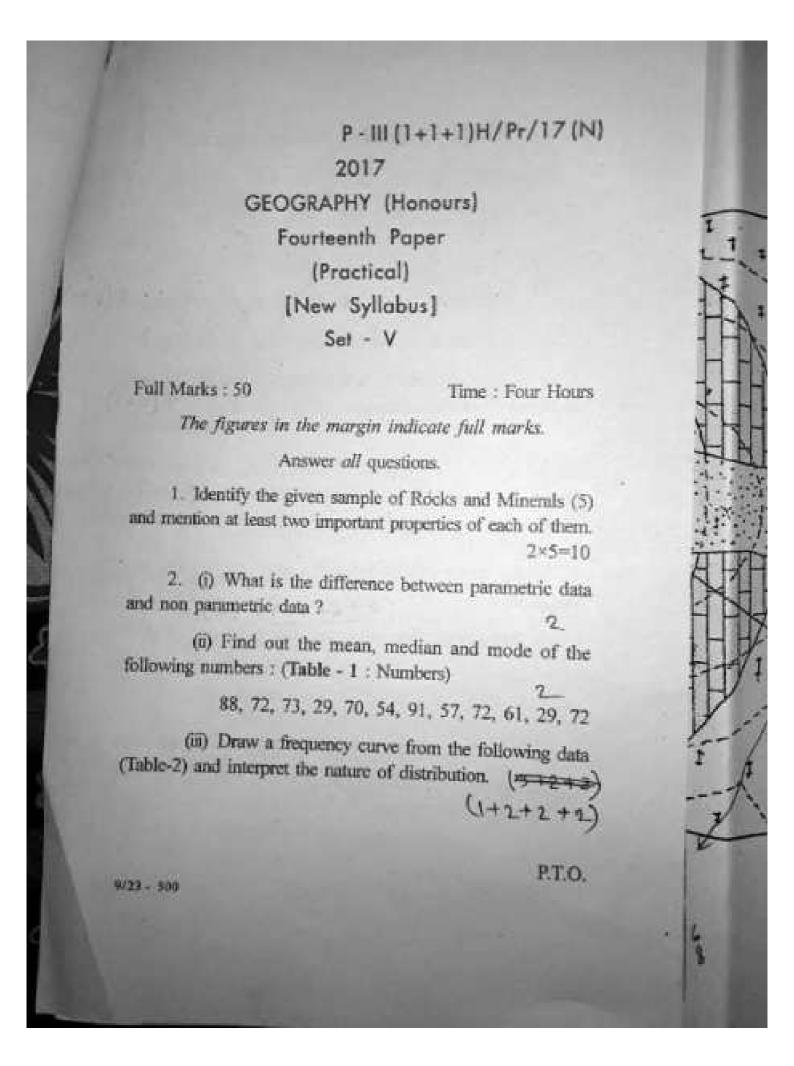


Table - 2: Population density / sq.km.

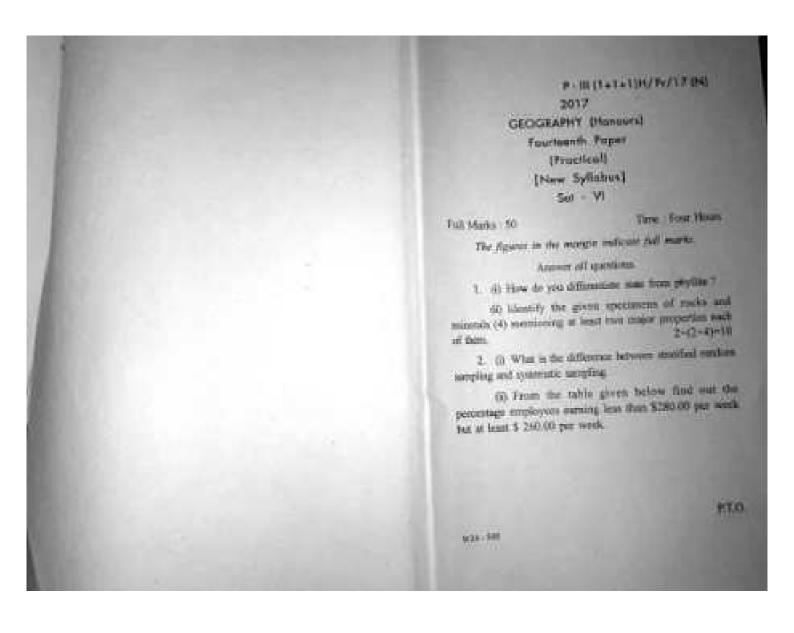
242, 10, 286, 497, 316, 211, 372, 93, 76

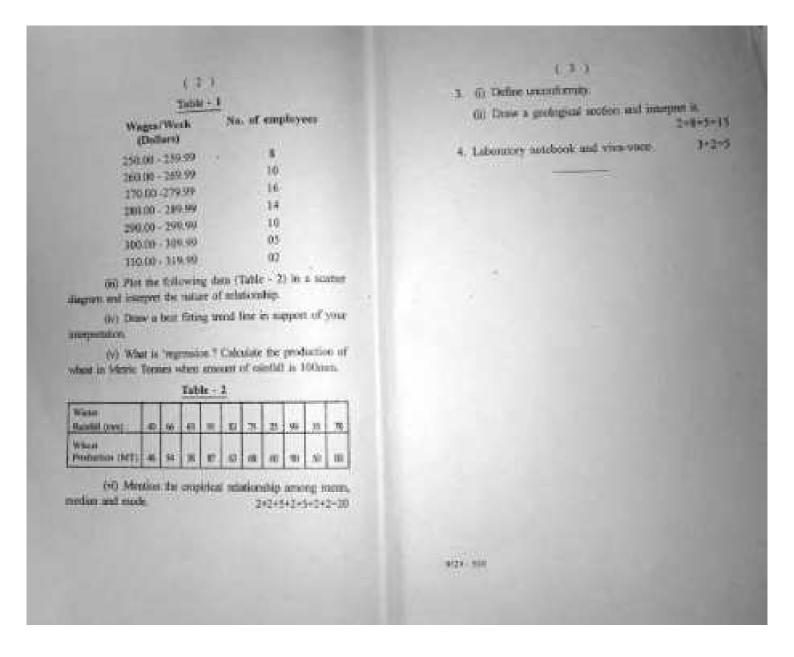
235, 749, 149, 257, 82, 79, 33, 73, 203

403, 129, 57, 429, 263, 473, 767

- (iv) Find out standard deviation and comment on it. 3
- (v) Find out semi-interquartile range of the data. 3
- (vi) If the values 33 and 10 are replaced by 173 and 108 what will be the changes in standard deviation? 3 (2+1) 2+2+5+2+3+3+3=20
- (i) Draw a Geological section along the given line and arrange the rock beds according to their age. (Map-1).
 - (ii) Interpret the geological structure.
- (iii) What is the difference between 'series' and 'formation'? (2 + t) = 10+3+2=15

4. Laboratory Note book and viva-voce. 3+2=5





P-III (1+1+1) H/Pr/16(N)

2016

GEOGRAPHY (Honours)

Fifteenth Paper

(Practical)

[Revised New Syllabus]

Set - IV

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

1. (a) Differentiate between schedule and questionnarie.

3

(b) Give an example of open-end and closed-end questions each.

 (a) The following table shows the Population of some of the urban centres for the district of North 24 Parganas in the state of West Bengal. Represent the same by Rank Size Rule.

Name of Urban Centre	Population
Bangaon	102163
Barrackpur	61771
Bhatpara	80005
North Dum Durn	50552

South Darm 50 Commiss 62 Belleman 50 Espatho Copulpia 61 Coburtlenga 41
Belwager 55 Rejates Capalpar 61
Rajaha Gapapie 61
Gehadanga 41
Nodus: 349
New Harmakpur 165
Bursut 516
Midnergren 345
Tim: 761

4. Interpret the given theme of the satelline energy using simus exceptation arrangers. Drow next sketches as and bettern medical

1. The following table done gover the data for franks area and authorst lead for some of the range covers of the world.

Nover.	Anti-	Sectioners Lond publics transport
Magradon	0.34	227
amounty	0.43	
Indenapora	0.01	120
Calondo	0.63	
ha/Mr.	6.97	150
Chrys	0.98	
Chinson	0.99	490
Youngtote	1.90	
Ministra	1.3	400
America	5.1	1200
Hware the	0.77	1100
Meking	0.79	160

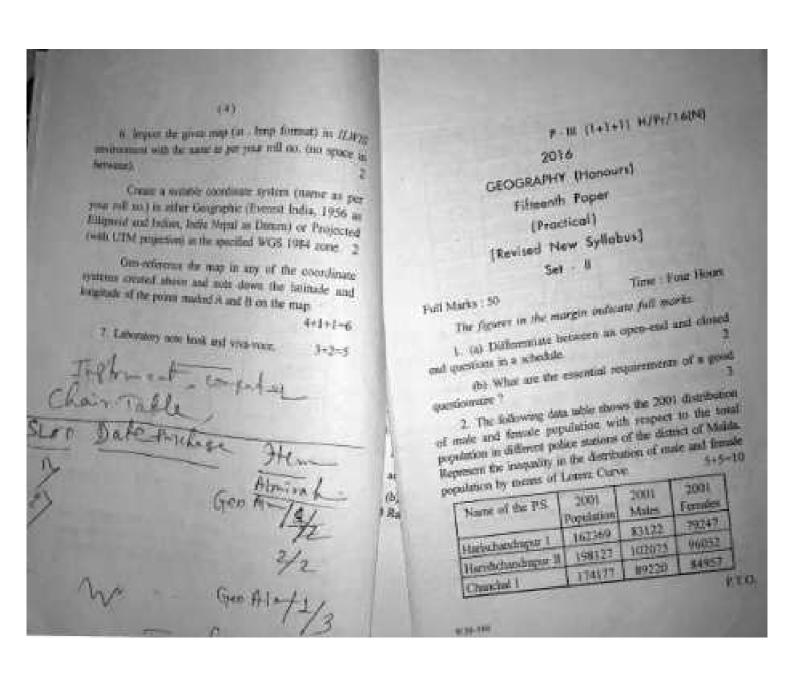
lineer, the data in a spread short and perpure a scatter diagram to show the relationship between area (X) and sectiment leads (V) to MS Excel 2007 without

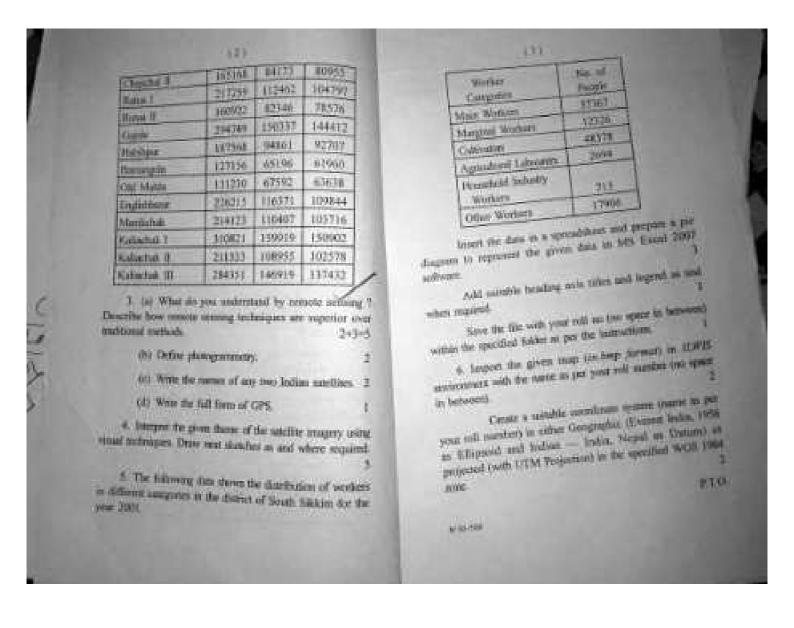
Ald a pred live (Linear) to the pice and display the equation and r² values on the plat.

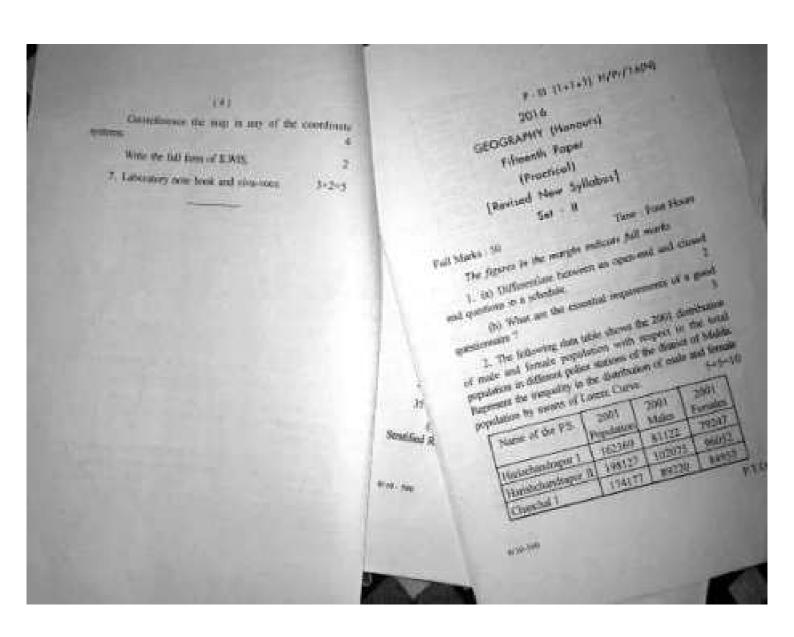
Add number beating, usin tale and learned as and where experted user the tile with your Roll Number (on span in between within the specified folder as per the unarrections ghier. rro.

WARRIED BOOK









P-III (1+1+1)H/Pr/16

2016

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

Set - I

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

Identify the given simple of Rocks and Minerals and mention at least two important properties of each of them.

2×5=10

(a) Compute Median and Mode values of temperature of 85 stations for which data is given below:

4+4=8

Temperature	(degree	centigrade)	No. of sta	tions
-5 and above	but less	than 5		13
5 and above	but less	than 15		20
15 and above	but less	than 25		35
25 and above	but less	than 35		10
35 and above	but less	than 45		7
(b) Diffe Stratified Random		Simple Random	Sampling	from 2

(c) Calculate Karl Pearson's coefficient of correlation between winter rainfall and production of wheat in selected villages as per data given below:

				-	Carlo Maria	A.E.	90	36	78
20	65	62	90	82	75	25	20		200
	200		-		10	60	91	51	81
47	53	.58	86	62	00	00			
	39	39 65 47 53	39 65 62 47 53 58	39 65 62 90 47 53 58 86	39 65 62 90 82 47 53 58 86 62	39 65 62 90 82 75 47 53 58 86 62 68	39 65 62 90 82 75 25 47 53 58 86 62 68 60	39 65 62 90 82 75 25 98 47 53 58 86 62 68 60 91	39 65 62 90 82 75 25 98 36 47 53 58 86 62 68 60 91 51

10

- 3. Draw a geological section along the given line and interpret it. 10+5=15
 - 4. Laboratory Notebook and Viva-voce. 3+2=5

P-III (1+1+1) H/Pr/16(0)

2016

GEOGRAPHY (Honours)

Fifteenth Paper

(Practical)

[Old Syllabus]

Set - III

Full Marks: 50

Time: Three Hours

The figures in the margin indicate full marks.

 (a) Take reading and calculate the Relative Humidity from the given Hygrometer.

(b) Discuss the suitable precautions for setting up of rain gauge.

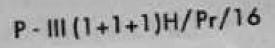
- Interpret the given Indian Daily Weather Report with special reference to sky condition and pressure. 5+5=10
- (a) From the given data table, calculate the standard deviation.

Age (in years)	Frequency
30 - 34	12
35 - 39	15
40 - 44	18
45 - 49	16
50 - 54	10
55 - 59	9

- (b) Define sampling. Explain the different types of sampling.
 2+3=5
 - (c) Discuss the disadvantages of arithmetic mean. 2
- 4. (a) An air-craft while flying at an altitude of 40000 feet above mean sea level takes an aerial photograph of a scale of 1:10,000. Find the focal length of the camera.
 5
- (b) What is remote sensing? Discuss the advantages and disadvantages of remote sensing.

2+4+4=10

5. Laboratory note book and viva-voce. 3+2=5



2016

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

Set - II

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

1. Identify the given sample of Rocks and Minerals and mention at least two important properties of each them.

 $2 \times 5 = 10$

2. (a) Compute Mean and Median values of precipitation of 80 stations for which data is given below:

4+4=8

Precipitation amounts (cm) No. of stations

Less than 10	7
Less than 20	20
Less than 30	38
Less than 40	63
Less than 50	70
Less than 60	80

P.T.O.

9/20 - 500

P-III (1+1+1)H/Pr/16

2016

GEOGRAPHY (Honours)

Fourteenth Paper (Practical)

Set - III

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

Identify the given sample of Rocks and Minerals and mention at least two important properties of each of them.

2×5=10

 (a) Compute median mathematically. How many days recorded precipitation ≥ 7.5 cm? Estimate using graphical method.

Amount of precipitation (cm)	No. of Rainy days
2.5-5.5	12
5.5-7.5	15
7.5-10.0	20
10.0-15.0	. 13
15.0-20.0	10

P.T.O.

9/21 - 500

- (b) Mention the empirical relationship among Mean, Median and Mode. What is the utility of this relationship? 1+1=2
- (c) Calculate Karl Pearson's correlation coefficient between the average height of plants (cm) in a Grassland and annual rainfall (cm) from the given data:

Height of plants (cm)	11707001	1,000,000		CH-17-011		100000	70
Annual rainfall (cm)	66	67	65	68	70	68	72

- 3. Draw a geological section along the given line and interpret it. 10+5=15
 - 4. Laboratory notebook and viva-voce.

3+2=5

P-III (1+1+1)H/Pr/16

2016

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

Set - IV

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

 Identify the given sample of Rocks and Minerals and mention at least two important properties of each them.

(a) Compute coefficient of SD from the given data on literacy rate of the districts of WB (2011). Compute 6+2=8 coefficient of Range.

ent of Range.	Literacy Rate (%) in 2011
District	87.66
Purba Medinipur	87.14
Kolkata	84.95
North Twenty Four Parganas	83.85
Haora	82.55
Hugli	79.92
Darjiling	79.04
Paschim Medinipur	78.57
South Twenty	77.15
Barddhaman	75.58
Nadia	

Koch Bihar	75.49
Dakshin Dinajpur	73.86
Jalpaiguri	73.79
Bankura	70.95
Birbhum	70.90
Murshidabad	67.53
Puruliya	65.38
Maldah	62.71
Uttar Dinajpur	60.13

(b) Under what circumstances you need to form unequal groups?

(c) Calculate Karl Pearson's correlation coefficient between the depth of Thalweg (cm) and thickness of sediment (cm) from the given data:

								469
Thickness of sediments (cm)	26	27	25	28	30	28	32	100

 Draw a geological section along the given line and interpret it.
 10+5=15

4. Laboratory Note book and viva-voce. 3+2=5

P-III (1+1+1) H/Pr/16(N)

2016

GEOGRAPHY (Honours)

Fifteenth Paper

(Practical)

[Revised New Syllabus]

Set - IV

Full Marks: 50

Time : Four Hours

The figures in the margin indicate full marks.

1. (a) Differentiate between schedule and questionnarie.

3

- (b) Give an example of open-end and closed-end questions each.
- (a) The following table shows the Population of some of the urban centres for the district of North 24 Parganas in the state of West Bengal. Represent the same by Rank Size Rule.

Name of Urban Centre	Population
Bangaon	102163
Barrackpur	61771
Bhatpara	80005
North Dum Dum	50552

Karmelari	15099
Demengor	62871
	55250
Rajachar Gopalpur	61899
Gothardampha	41625
Nation	34928
New Barrackpur	16594
Barmar	51607
Madienergenes	34952
Tiki	7612

(b) Considering that these are the only aften control in the district, identify whether there is any primary in the distribution.

 (a) What do you understand by GPS ? Write on the advantages and limitations of GPS.

 7-4-6

(b) Differentiate between rester and vector data

 Interpret the given theme of the satellite image using visual interpretation techniques. Draw nort sketches at and where required.

The following table data gives the data for busin area and audiement load for some of the major overs of the world.

IU/cr	Anta tredlion og Am.)	Sectional Land gradition accountyry
Ampliniera	0.24	720
mawady	0.43	360
Desherapaten	0.61	540
Colorado	0.63	120
Indus	0.97	250
Gango	0.98	520
Orinoco	0.99	150
Yangtau	1.90	490
Minimipi	3,3	400
Amuzum	6.1	1200
Hwarg Ho	0.77	1100
Mekong	0.79	160

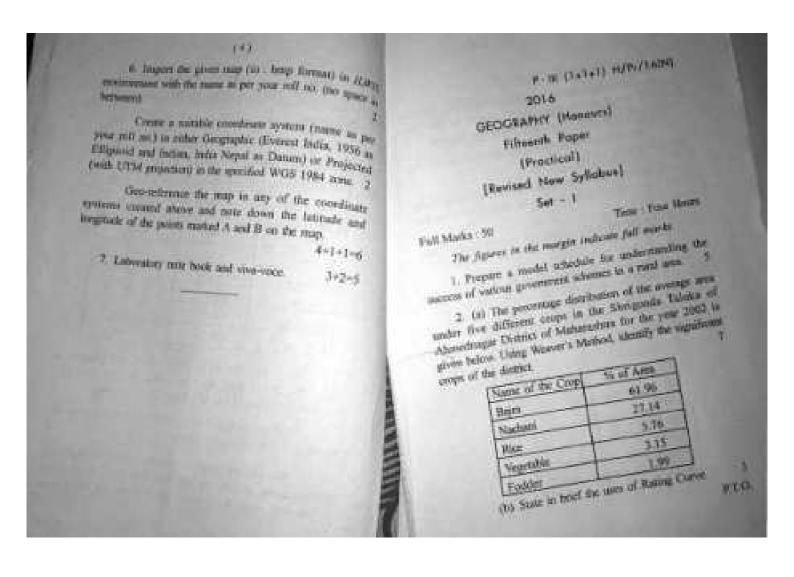
insert the data in a spread short and prepare a scatter diagram to show the relationship between area (X) and sediment loads (Y) in MS Excel 2007 software.

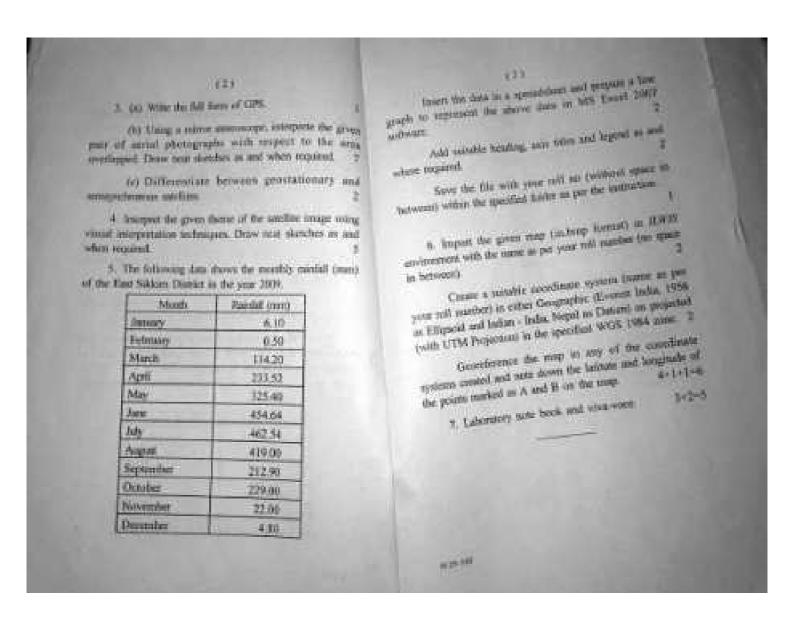
Add a trend line (Linear) to the plot and display the equation and r² values on the plot.

Add somble beading, more tale and layers as and where required save the file with your Roll Number (rec-quoe in between) within the specified folder as per the instructions given.

P.T.O.

4.00.300





P-III (1+1+1) H/Pr/16(N)

2016

GEOGRAPHY (Honours)

Fifteenth Paper

(Practical)

[Revised New Syllabus]

Set - II

Full Marks: 50

Time: Four Hours

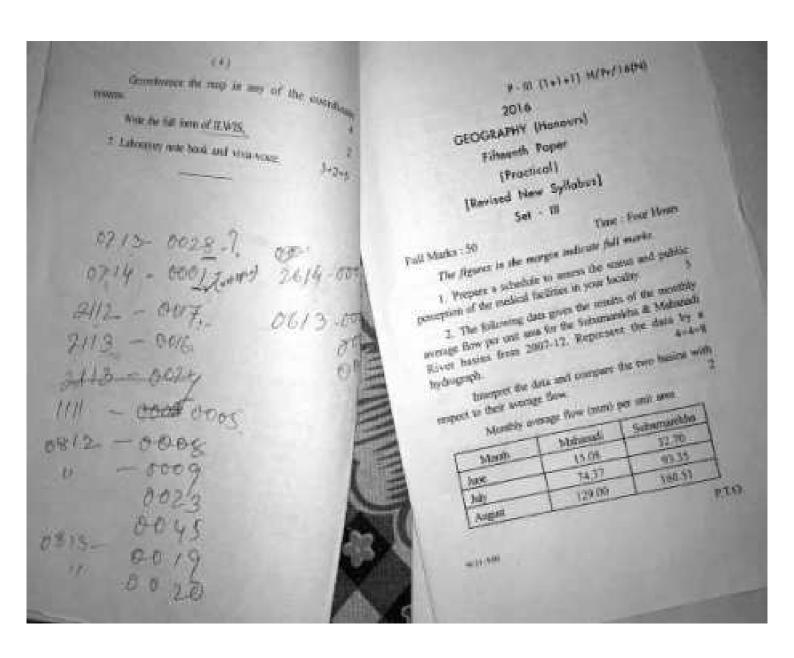
The figures in the margin indicate full marks.

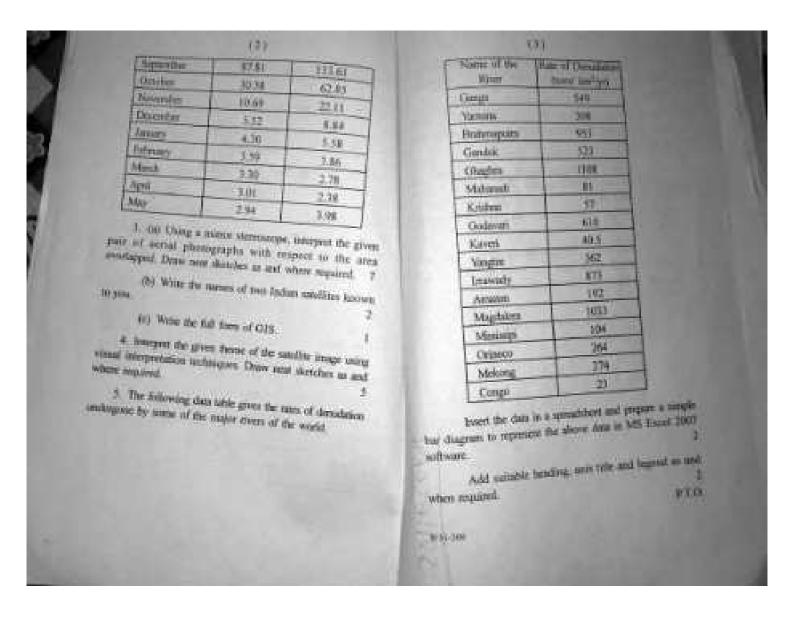
- 1. (a) Differentiate between an open-end and closed (b) What are the essential requirements of a good end questions in a schedule.
- 2. The following data table shows the 2001 distribution of male and female population with respect to the total questionnaire? population in different police stations of the district of Malda. Represent the inequality in the distribution of male and female population by means of Lorerz Curve.

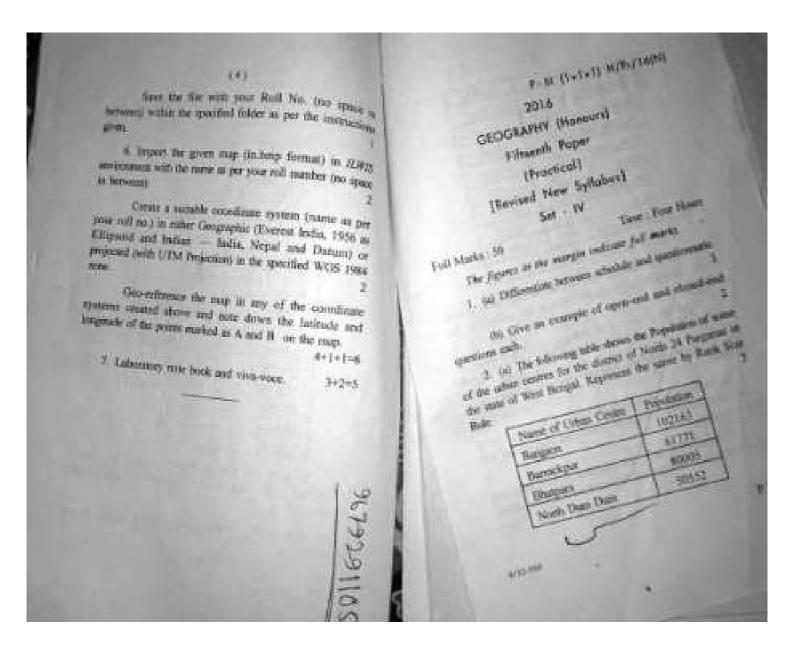
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opulation by means of	2001		Females
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Harishchandrapur II	174177	10-1	100
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11/12			

9/30-500

Churchil B				(1)
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Habitgur	187518	94361	92707	Cultivaries 483.78
Hermanyola	1271.56	6519n	61900	Approximat Labourers 2094
OM Malda	131230	47393	65638	Household indicates
Englishment	228215	116371	109844	Workers
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Gob	niony).	41625		The second secon	0.63	120
Malu		34928		Colorado	0.97	250
New	Вильбриг	16594		Inlus	0.98	520
Darm		51697		Canga	0.99	150
Mich	ungon	34952		Orinoco	1.90	450
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(h) Ca	marine that there	are the only urban	100044	Mississipi	6.1	1200
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P-III (1+1+1) H/Pr/15 (NS)

2015

GEOGRAPHY (Honours)

Fifteenth Paper
(Practical)

[Revised New Syllabus]

Set - I

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

- Prepare a model schedule for collecting primary data through a socio economic survey to assess the status of public awareness in enrolling children in primary education in the block you reside.
- The following data shows top fifteen most populous cities in the state of Odisha in 2011.

City	Population
Bhubaneswar	885363
Cuttack	610189
Rourkela	536450
Berhampur	356598
Puri	200564
Sambalpur	189366

Balancer	17755
Shochysk	121538
Barrpuda	116849
Bolangir	98238
Burwigsels	97730
Jeypore	84830
Baragaria	80625
Disjunjungar	80403
Rayagada	71208
Total	3707508

Calculate the theoretical population of the cities relating with its tank using Pareto's distribution (following Zipf, 1935).

Plot the actual and theoretical population distribution with a subable scale.

Interpret the rank-size relationship of the given cities briefly.

3. (a) What do you mean by son synchronous group of atteins? Give example. 2+2=4

(b) Whitis NAVSTAR ?

(c) Distinguish between raster and vector data

(3)

 Interpret the given theme of the given number image using visual interpretation and measurement techniques along with required sketches

5. The following data theres the greech of population by sex on different certain years (190) = 2000) in the district of Consideral

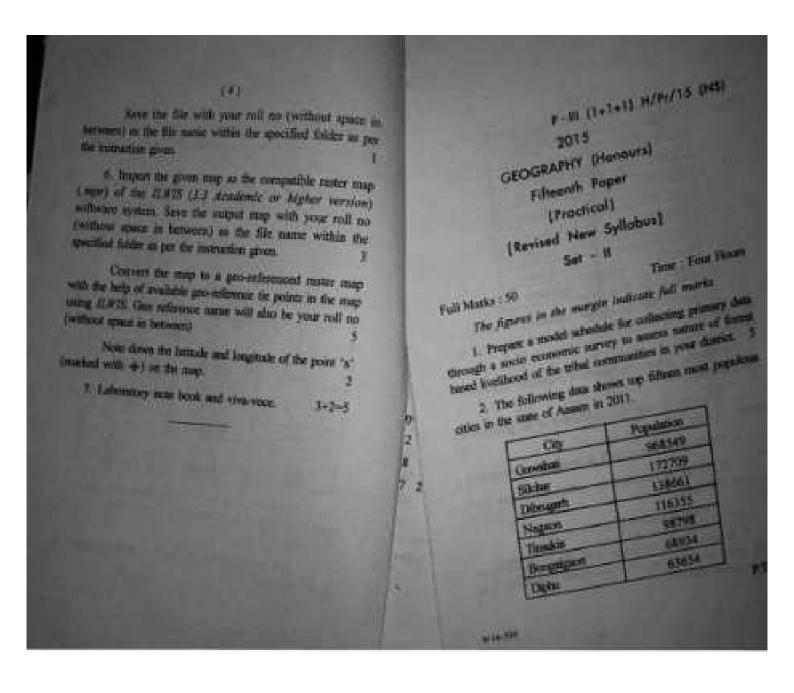
f Doctodam	The second second	Service
Year	Male	
1901	300415	264707
1911	315536	275476
1921	314631	375964
	312265	236788
1931	339845	298858
1941	360670	308279
1951	539694	480112
1961	737931	676252
1971		856182
1981	915461	1048839
1991	1122306	
2001	1272094	1297061

Insert the data in a apreadsheet and propert a autuable cartogram to represent the above data uring MS. Excel 2007 software.

Add heading, titles of the axis and configure the legend properly.

PALE

6/55-800



(2)

South Lathinger	61660 59793
Tempe	38016
Karingari	57585
Combura	53455
Shaugur	50595
Hitlery	42972
Surpetu	42663
estad	2054399

Calculate the theoretical population of the ones relating with its mail using Parac's distribution (following Zigl.)

Plus the actual and themerical population chambuson with a minute scale.

briefly. Amongs the mak was relationship of the given cities

- 1. (a) Note the use of GPS to prographical research. (
- (b) What do you most by version and oblique types of sense photographs ?
 - (c) Whit is EMR +

4. Interpret the given theme of the given smeller unapness visual approximation and measurement techniques along with superal sketches. (23)

 The following data shows the growth of population by sex on different occusar years (1901 - 2001) as the district of Hooghly.

Year	Male	Fame
1001	1117332	1025828
	1307893	1152009
1911	1409572	1265501
1921	1549057	1315161
1631	1977485	1633411
[94]	2415482	2044010
1951	3366805	2914110
1961	4489441	3961041
1971	2924329	2605161
1981	3818107	3463684
2001	4638756	4295530

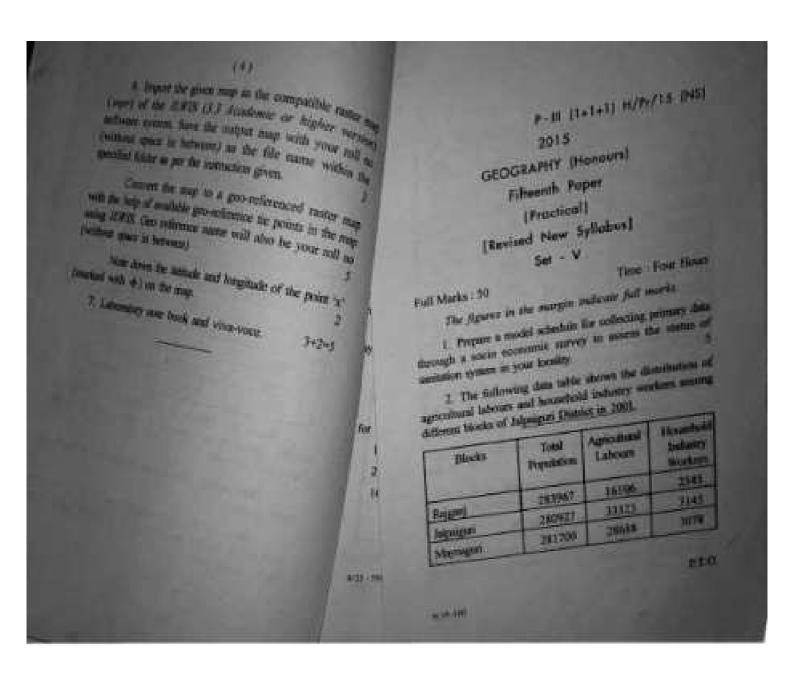
Insert the data in a specialishnest and prepare a suitable cartegram to expenses the above data using MS Excel 2007 authore.

Add heading, titles of both the axis and configure the legand properly.

Save the file with your nell no (without space in between) as the file rume within the specified folder as per the instruction given.

PEG

W34.700



(2)

Ohipgun	418461	31390	T
Ned	265392	17783	73%
Metiali	105906	2737	1351
Magrakata	115907	5470	480
Kumugam	178047	15315	1850
Falakata	254273	25014	2058
Madaribus-Birpani	185470	5944	790
Kilchini	252571	6617	m
Alpurhue-I	197231	18711	1195
Alipunhur-II	191984	22619	2777
Total	3018836	229717	23718

Represent the unequal distribution of agricultural labours and bousehold industry workers in the district of Jalpunguri, 2001 with the help of Lorenz Curve.

Interpret the distribution pattern beiefly.

3. (a) What is GIS 7 Explain its role in natural resource. 2+4-6 resonationing.

(b) What do you mean by poeudo vision in arrial photograph interpretation using Aliener Surrescope 7.

(c) Write your concept on DGPS.

4. Interpret the given theme of the given satellite image using visual interpretation and measurement techniques along with required sketches.

(3)

5. The following data shows the change of urban and rated population in the district of Dakshin Dissipur,

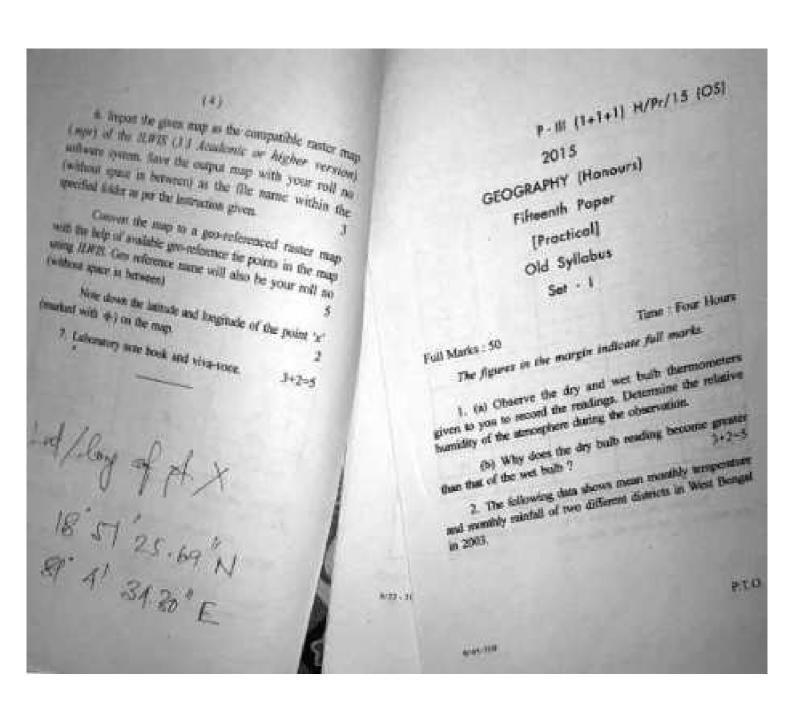
01-2001	nandaron	Rural Populations
Blocks	Liebun Population	741284
1991		701512
1911		695536
1921		763182
1931	5907	844571
1941	6952	934942
1951	98969	1224828
1961	173690	1686197
1971		2136221
1981	268726 164225	1066383
1991	106854	1306324
2001	19097	tion and prepare

Insert the data in a spreadsheet and prepa suitable cartogram to represent the above data using MS Escel 2007 software.

Add heading, tides of the axis and configure the legend properly

Save the file with your roll on (without space in between in the file same within the specified folder as per the instruction given P.T.O.

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P-III (1+1+1)H/Pr/15 (N) 2015

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

[New Syllabus]

Set - II

Full Marks: 50

Time : Four Hours

The figures in the margin indicate full marks.

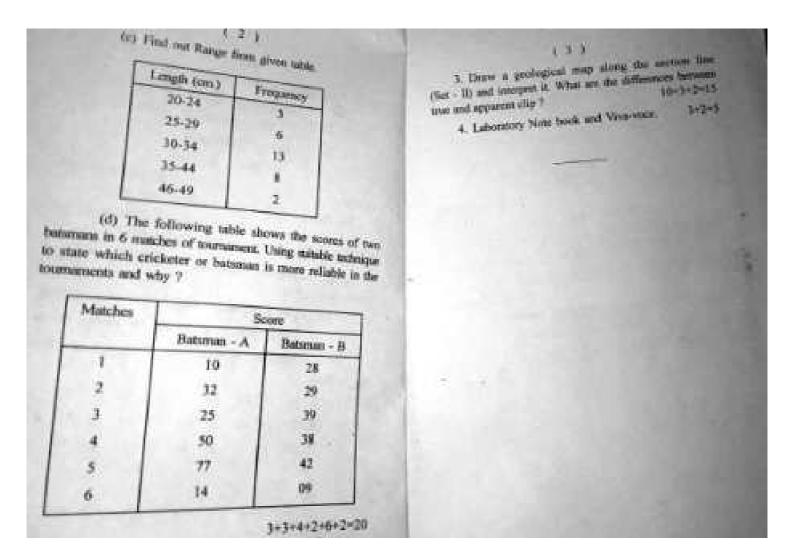
- Identify the given hand specimens (5) of rocks and mineral mentioning two properties of each them. 2×5=10
- 2. (a) Distinguish between stratified sampling and systematic sampling?
 - (b) Prepare a cumulative frequency distribution table. Locate the median graphically by drawing ogives. Rainfall Recorded (in mm.) of a raingauge station 36 days.

for 36 days.

10 12 15 11 60 46 38 25 20 18 16 26

29 18 17 34 48 36 43 27 23 44 19 27

16 37 29 33 57 21 41 11 52 40 30 34



P-III (1+1+1)H/Pr/15 (N)
2015
GEOGRAPHY (Honours)
Fourteenth Paper
(Practical)
[New Syllabus]
Set - II

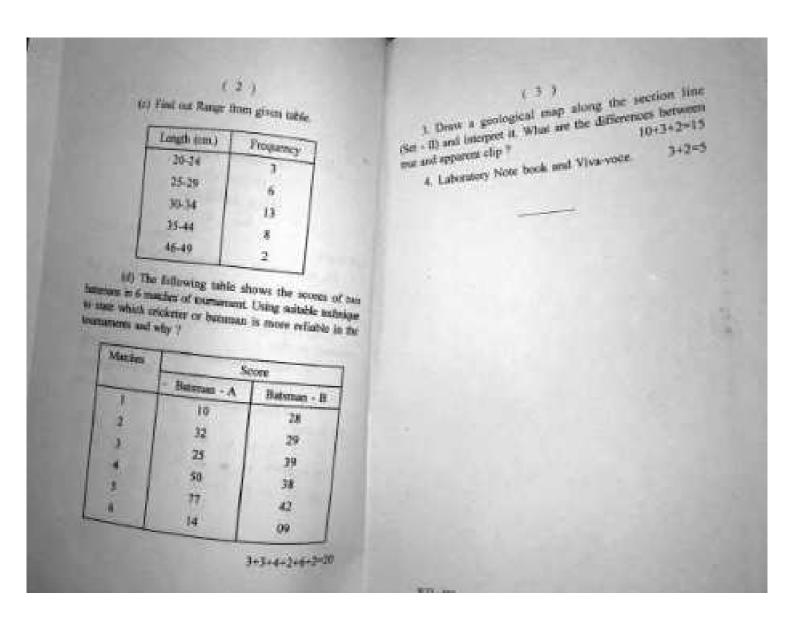
Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

- Identify the given hand specimens (5) of rocks and mineral mentioning two properties of each them. 2×5=10
- 2. (a) Distinguish between stratified sampling and systematic sampling?
- (b) Prepare a cumulative frequency distribution table. Locate the median graphically by drawing ogives. Rainfall Recorded (in mm.) of a raingauge station for 36 days.

10 12 15 11 60 46 38 25 20 18 16 26 29 18 17 34 48 36 43 27 23 44 19 27 16 37 29 33 57 21 41 11 52 40 30 34



P-III (1+1+1)H/Pr/15 (N) 2015 GEOGRAPHY (Honours) Fourteenth Paper

(Practical)

[New Syllabus]

Set - IV

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

- 1. Identify the given hand specimens (5) or rocks and minerals mentioning two properties of each them. 2×5=10
- 2. (a) What is secondary data? What precautions would take before using secondary data?
- (b) Draw the histogram and the less than cumulative frequency polygon of the distribution given below.

Prepare frequency table for above graphical representation.

(c) Find out graphically the number of firms whose sales lie between £ 12,000,000 and £ 2600,000.

Values of Sales (£'000)	Number of firms
0-500	3
500-1000	42

P.T.O.

9/14 - 500

	100000	
	1000	196
40	1.0	- 3
	1000	100
	1000	- 45
170		- 80

1000-1500	63
1500-2000	105
2000-2500	120
2500-3000	99
3000-3500	51
3500-4000	47
4000-4500	4

(d) If mean and median of a frequency distribution are 20 and 17 respectively find the mode.

(e) Find out standard deviation from the following data:

x :	0-500	500-1000	1000-1500
frequency:	90	218	86

x :		1500-2000	2000-3000	
frequency		41	15	

1+2+3+3+3+2+2+4=20

- 3. Draw the geological map along section line (Set-IV) and interpret it. What is inlier. 10+3+2=15
 - 4. Laboratory Note book and viva-voce. 3+2=5

P-III (1+1+1)H/Pr/15 (N)

2015

GEOGRAPHY (Honours)

Fourteenth Paper

(Practical)

[New Syllabus]

Set - V

Full Marks: 50

Time: Four Hours

The figures in the margin indicate full marks.

- 1. Identify the given hand specimens (5) of rocks and minerals, mentioning two properties of each them. $2\times5=10$
- (a) What is Probability Sampling? Write its different methods.
- (b) Prepare a frequency distribution table with the help of given data.

Draw ogive from the data set given below:

Calculate lower quartile and upper quartile from

Rainfall recorded (in mm) of a rain-gauge station for 25 days.

46	42	43	48	44
35	38	39	35	38
21	22	23	25	29
26	26	31	32	31
33	34	33	32	34

- (c) If the value of S.D (σ) of the set of observation 3, 5, 8, 7, 5, 7 is 1.675, then write down the S.D. of the following observation: 6, 10, 16, 14, 10, 14.
- (d) From the following table calculate the co-efficient by Karl Pearson's method and interpret it.

x: 6 2 10 4 8 y: 9 11 ? 8 7

Arithmetic means of x and y series are 6 and 8 respectively. 1+2+3+3+2+2+1+5+1=20

3. Draw a geological map along the section line AB (Set - V) and interpret it. What is stratum contour?

10+3+2=15

Laboratory Note Book and viva-voce. 3+2=5