RET/13/Test B

898

Geography

			Question Booklet No	o
<del></del>	(To be filled	up by the candida	ite by <b>blue/black ball-p</b>	oint pen)
Roll No.				
Roll No. (Wr	te the digits in	words)	4	
		heet		
Day and Dat	e		• •••••••	******
	56		(Sigr	nature of Invigilator)

## INSTRUCTIONS TO CANDIDATES

(Use only blue/black ball-point pen in the space above and on both sides of the Answer Sheet)

- 1. Within 10 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
- 2. Do not bring any loose paper, written or blank, inside the Examination Hall except the Admit Card without its envelope.
- 3. A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.
- 4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above.
- 5. On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.
- 6. No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR sheet No. on the Question Booklet.
- 7. Any changes in the aforesaid-entries is to be verified by the invigilator, otherwise it will be taken as unfair means.
- 8. This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.
- **9.** For each question, darken only one circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
- 10. Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks).
- 11. For rough work, use the inner back page of the title cover and the blank page at the end of this Booklet.
- **12.** Deposit both OMR Answer Sheet and Question Booklet at the end of the Test.
- **13.** You are not permitted to leave the Examination Hall until the end of the Test.
- **14.** If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

Total No. of Printed Pages: 15

## **FOR ROUGH WORK**

## Research Entrance Test - 2013

No. of Questions: 50

Time: 2 Hours

Full Marks: 200

ote: (i) This Question Booklet contains 40 Multiple Choice Questions followed by 10 Short Answer Questions.

- (ii) Attempt as many MCQs as you can. Each MCQ carries 3 (Three) marks. 1 (One) mark will be deducted for each incorrect answer. Zero mark will be awarded for each unattempted question. If more than one alternative answers of MCQs seem to be approximate to the correct answer, choose the closest one.
- (iii) Answer only 5 Short Answer Questions. Each question carries 16 (Sixteen) marks and should be answered in 150-200 words. Blank 5 (Five) pages attached with this booklet shall only be used for the purpose. Answer each question on separate page, after writing Question No.

	(1) land masses			
	(2) oceans and seas			
	(3) poles of the planet			×
	(4) subtropical latitudes			
2.	The downstream portion of a rive	er:		
	(1) generally becomes more slugg	gish		
	(2) usually has turbulent flows		12	g.
	(3) generally is of higher velocity	, whic	h is	marked by reduced turbulence
	(4) has lower discharges than do	upstre	eam	portions
3.	Which of the following is not a fat	tty acid	d?	
	(1) Stearic acid		(2)	Palmitic acid
	(3) Oleic acid		(4)	Phenyl acetic acid
4.	Which of the following compound	ds is no	ot ar	antibiotic?
	(1) Penicillin		(2)	Chloramine-T
	(3) Streptomycin		(4)	Chloramphenicol
5.	The acceleration with which a par- law $v^2 = 4a(x \sin x + \cos x), v$ being from a fixed point, is:	rticle n g the	nove velo	es in a straight line, according to the city of the particle at a distance $x$
	(1) 0		(2)	$2 ax \cos x$
	(3) $4 ax \cos x$	ž.	(4)	$2 ax \sin x$
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1. Most of the land precipitation and evaporation on earth takes place over the:

- **6.** If  $\begin{bmatrix} 2 & 4 \\ 1 & 3 \end{bmatrix} A \begin{bmatrix} 0 & 2 \\ 1 & 3 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ , then the matrix A is:
  - $(1) \begin{bmatrix} 3 & -4 \\ 3/4 & -1 \end{bmatrix}$

(2)  $\begin{bmatrix} -13/4 & 3/2 \\ 5/4 & -1/2 \end{bmatrix}$ 

(3)  $\begin{bmatrix} -17/4 & 3/4 \\ -7/4 & -1/4 \end{bmatrix}$ 

- (4)  $\begin{bmatrix} 5/4 & 11/4 \\ 3 & -9/4 \end{bmatrix}$
- **7.** If the error in the measurement of radius of sphere is 0.3%, then the percentage error in the measurement of its volume is :
  - (1) 0.15%

(2) 0.6%

(3) 0.9%

- (4) 0.03%
- **8.** The resistance of series combination of two resistances is S. When they are joined in parallel, the total resistance is P. If S = nP, then the minimum possible value of n is :
  - (1) 3

(2) 4

(3) 2.1

- (4) 0.89
- 9. Mitochondria are associated with the function of:
  - (1) cellular digestion

(2) circulation

(3) protein synthesis

- (4) cellular respiration
- 10. In which parts of eyes, rods and cones are present?
  - (1) Retina

(2) Iris

(3) Cornea

(4) Lens

	11.	The	doctrine of poss	sibili	sm is	s associated	ted with:				
		(1)	Griffith Taylor				(2)	Oskar spate			
		(3)	Jean Brunches			9	(4)	Vidal de la Blac	he		
	12.	The	tarna 'aultural le	ndo		' ruga firat ir	stuce	lugad in gaaggera	shri	lar.	
	12.		e term 'cultural la					90 JOANNE BUSINESS SE 1991		ement permanen	7000
		(1)	R. Hartshorne	(2)	K. J.	Jonnstone	(3)	A. Philbrick	(4)	Carl Save	r
	13.	The	Limits to Grow	th' p	oroje	cts:		ä			
		(1)	Malthusianism				(2)	Marxism			
		(3) Neo-Malthusianism					(4)	Socialism			
	14.	The	e idea of 'geopoli	tics'	was	first introd	uced	in geography b	<b>v</b> :		
		(1) Rudolf Kjellen						Freidrick Ratze	50 °		
		(3) K. Haushofer					(4)	Harold Mackinder			
	15.	The	hook 'Naturo o	f Co		.h	.:	. h			
*	13.	British Course									
			Preston James Richard Hartsh	0 <b>#10</b> /				Richard chorley	,		
		(3)	Richard Hartsh	orne			(4)	Brian Harley			
	16.	'La	w of Universal g	ravi	tatio	n' is credite	d to	:			
		(1)	Isaac Newton				(2)	Albert Einstein			
		(3)	Charles Darwin	<b>1</b>			<b>(4)</b>	Stephen Hawki	ns		
	17.	Wh	nich one of the fo	llow	ing r	pairs is not	corre	ectly matched ?			
			Pampas	_	01	Argentina				x:	
			Downs	_		Australia		3			
		(3)	Prairies	_		Canada					
	***	(4)	Llanos			U. S. A.		£		38	
		<b></b> '	9				(F)				
	18.	Glo	be-Miami is fam	ious	for:						
	3.8	(1)	Iron ore mining	5			(2)	Copper mining	2.5		
		(3)	Bauxite mining				(4)	Manganese mir	iing		
A	ET/1	3/Te	st B/898			(4)				8	

				si .
19.	Which one of the fo (1) Kudremukh (2) Bailadila (3) Noamundi	ollowing pairs is not  - Karnataka  - Chhattisga  - Jharkhand	irh	
	(4) Gurumahisani	<ul> <li>Maharasht</li> </ul>	ra	
20.	'Rank-size rule' was	se propounded by	e 4	(c)
20.	(1) C. D. Harris	is propounded by .	(2) Mark Jefferson	
	(3) G. K. Zipf	•	(4) R. E. Dickinson	
21.	Who has propound	ded the 'Multiple Nuc	vlei Theory' of Urban	growth 2
## ! #	(1) H. Hoyt	\$ <del>78</del> 6	(3) H. J. Nenson	
	(-,	(-)	*	
22.	K = 7 in christaller's	s central place theory		
	(1) Marketing Prin	•	(2) Administrative	•
	(3) Traffic Principle	le	(4) Market-cum-Tr	affic
23.	As per 2011 census	the most urbanised S	State of India is :	8
	(1) Goa	(2) Maharashtra	(3) Mizoram	(4) Tamil Nadu
24.	As per latest LINIDE	P report (2011) the rai	ok of India in HDI is	· N
<b>~.4.</b>	(1) 127	(2) 134	(3) 124	(4) 97
	(*)	(2) 101	(5) 121	(-)
25.	The most leading p	producing state of gro	undnut in India is :	
	(1) Gujarat	(2) Andhra Pradesh	(3) Karnataka	(4) Maharashtra
26.		its are not equidistar reater than that of th y:		
	(1) Newton	(2) Kepler	(3) Bode	(4) Hipparchus
27.	The most abundan weight is:	nt element found in	the earth's crust in	terns of percent by
no.	(1) Iron	(2) Aluminium	(3) Silicon	(4) Oxygen
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• ,

28.	Who supported an development?	d ad	lvocated	"Dynam	ic	equilibrium the	eory'	of landscape
	(1) W. D. Thornbar	y		(2	2)	J. T. Hack		
	(3) L. C. Peltier			(4	<b>(</b> )	L. C. King		
29.	The rate of evapora recognised by:	tion	is propo	rtionate	to	the vapour defi	cit. I	Firstly this was
	(1) Darcy	(2)	Dalton	(3	3)	W. Smith	(4)	Fitzgerald
30.	The concept of geos	tropl	nic wind	is genera	lly	not valid withi	n:	
	(1) 10° latitude of the	he eq	luator	(2	2)	20° to 30° latitu	de	
	(3) 40° to 50° latitud	de		(4	4)	Polar region		
31.	Amongst the follow		which o	one does	no	ot belong to the	e em	pirical climatic
	(1) Koppen	(2)	Miller	(3	3)	Thornthwaite	(4)	Budyko
32.	The 'Central Place T	Theor	y' was g	iven by :				
	(1) August Lösch		•	(2	2)	Walter Christal	ler	
	(3) Brian Berry			(-	4)	Michael Dacey		
33.	The value of Huma	n de	velopmei	nt index 1	ran	nges in between	:	
	(1) 0 - 1	(2)	0 – 10	(	3)	0 100	(4)	0 - 1000
34.	Who is propounder	of th	ne theory	of 'Cum	ula	ative Causation'	?	
	(1) V. B. Stanberry		·	(	2)	A. J. Herbertson	n	
	(3) Gunnar Myrda	1		(	4)	I. Bowman		
35.	Which one of the analysis:	foll	lowing s	satellite i	ima	age can be use	ed f	or stereoscopic
	(1) Landsat	(2)	IRS	(	3)	SPOT	(4)	NOAA
36.	Resolution of Land	sat T	M missic	on 4 – 5 sa	ate	llite is :		
80	(1) 30 meters		60 meter			90 meters	(4)	120 meters
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	(1) E. Haeckel (2) E. P. Odum (3) F. Clements (4) C. C. Park						
38.	The first Earth summit was held at Rio de Janero in : (1) 1972 (2) 1982 (3) 1992 (4) 2002						
39.	In which latitude the linear scale on mercator's projection is magnified four						
	times? (1) 85½° N & S (2) 75½° N & S (3) 65½° N & S (4) 55½° N & S						
ttem	Clinographic curve represents:  (1) Average slope between successive contours  (2) Average area between successive contours  (3) Average height between successive contours  (4) Average relative height between successive contours  apt any five questions. Write answer in 150-200 words. Each question carries						
	rks. Answer each question on separate page, after writing Question Number.						
1.	Explain the concept of 'New Environmentalism'.						
2.	Discuss 'the principle of terrestrial unity' in human geography.						
3.	Examine the relevance of 'Agricultural Location Theory' of Von Thunon in the present context.						
4.	Explain the concepts of under and over population.						
5.	Discuss the theory of 'Ice Crystal Process' of precipitation formation.						
6.	Describe the plate tectonic theory of mountain building.						
7.	Give an account of micro-level planning in India.						
8.	Mention the salient features of multisprectred remote sensing.						

Discuss the consequence of population pressure on environmental degradation.

(7)

P.T.O.

Illustrate the necessity of 'Second Green Revolution' in India.

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37. Who defined ecology as 'The study of the structure and function of ecosystems'?

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TINE	7.4	v.	********************************

Roll No.	• 

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Roll	No.	:	449444444444444444444444444444444444444

## **FOR ROUGH WORK**