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VIBGYOR HIGH

Second Preliminary Examination 2018-2019

GEOGRAPHY

Grade: X

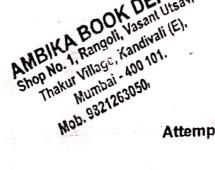
Max. Marks : 80

Date: 14/01/2019

Time Allowed: 2 hours

INSTRUCTIONS:

- Answers to this paper must be written on the paper provided separately.
- You will not be allowed to write during the first 15 minutes.
- · This time is to be spent in reading the question paper.
- The time given at the head of this paper is the time allowed for writing the answers.
- Attempt seven questions in all.
- · Part I is compulsory. All questions from Part I are to be attempted.
- A total of five questions are to be attempted from Part II.
- The intended marks for questions or parts of questions are given in brackets
 [].
- To be supplied with this paper: Survey of India Map Sheet No. 45 D/10 and 20cm of twine.
- In all Map work, by a wise use of arrows to indicate positions of cities and
 other insertions that you make, you will be able to avoid overcrowding parts of
 the map.
- The Map given at the end of this question paper must be fastened with your answer booklet.
- All sub-sections of each question must be answered in the correct order.





Part I (30 MARKS)

Attempt all questions	from	this	part.
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Que	stion 1 ly the extract of Survey of India Map Sheet No. 45D/10 (1993) and answer the	
		r21
follo	wing questions.	[2]
a)	Give the six figure grid reference of:	
	i) -348	
	ii) Temple northeast of settlement Bhatana	[2]
b)	Write the direction of the following:	
	i) Monthly fair site from open mixed jungle	
•	ii) Survey tree 254 from ·365	[2]
c)	Identify the black and red squares in grid 0204.	7
d)	Calculate the distance in metres along the cart track from causeway in grid 090	[2]
	to settlement Makawal.	•
e)	Give reason for the following:	[2]
	i) Presence of an island in Sipu Nadi.	<u>[-1</u>
	ii) Disappearing stream in grid 0807	[2]
f) -	Bring out the difference between 3r in grid 0209 and 0409.	
g)	Identify the drainage pattern	[2]
	i) In grid 0704.	
	ii) In grid 0705.	
h)	What does the black dotted line in the southern part of your toposheet	
	indicate?	[2]
i)	Give examples of each of the following from the survey sheet:	[2]
	i) Two sources of irrigation •	
	ii) Two occupations of the people	
j)	Bajra grows well in the area shown on the map extract. Justify.	[2]
0,40		
	stion 2	
	k and label the following on the given outline map of India:	
a)	Latitude of summer solstice.	[1]
b)	Tributary of river Krishna.	[1]
c)	A densely populated State in South.	[1]
d)	A region in north where alluvial soil is found extensively.	[1]
e)	Mark and name the winds that bring rainfall in winters to the Coromandel Coast.	-[1]
f)	Plateau rich in minerals.	[1]
		_

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V I B G Y O R

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Kanara Coast.			
Mountain range know	n for 'Doons'.	the expression productions,	د باوني د مرتوبه د باوني د را
Capital of Telangana.			
Nathu-La Pass.			

Attempt any five questions from this part.

Question 3

- a) With reference to 'Western Disturbances' answer the following questions: [2]
 - i) Name the season when it is prevalent in India.
 - ii) State one of its climatic characteristic.
- b) Explain the following terms:

[2]

- i) October Heat
- ii) Cherry Blossoms
- c) Give a reason for the following:

[3]

- i) Barmer in Rajasthan may record a temperature of 48°C in June while it reaches hardly 22°C at Pahalgaum in Jammu and Kashmir.
- ii) The South West Monsoon starts retreating from Northern India in early October.
- iii) Pune has a higher range of temperature than Mumbai.
- d) Study the climatic data provided below and answer the questions that follow: [3]

Station	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-	Temp (°C)	23.8	25	27.7	28.3	30.2	30.3	30.4	30.3	30	30.3	25.5	24.2
A	Rainf- all (Cm)	-	1.1	1.5	2.1	2.1	45.3	46.5	45.4	43.3	20.7	. 3.0	0.1

- i) Calculate the mean annual temperature.
- ii) What is the total rainfall during the monsoon season?
- iii) Identify the station and state its location.

Question 4

- a) With reference to the Black Soil, justify the following statements. [2]
 - Black Soil does not get leached.
 - ii) Black Soil has self ploughing ability.
- b) What type of soil erosion is more common in Western Rajasthan and why? [2]



- c) Give a geographical reason for the following:
 - Soils form the backbone of our economy.
 - ii) Sandy soil cannot produce enough food crops.
 - iii) Different regions in India have different kinds of soil.
- d) Name the following:
 - Type of erosion seen in Chambal Valley region.

[3]

[3]

- ii) Type of agriculture that causes soil erosion.
- iii) Step like structure created along the hill slopes for cultivation.

Question 5

- a) Which vegetation in India is commercially the most important? State the required range of rainfall for this vegetation. [2]
- b) Name two programmes launched by the government to generate public awareness about the forests.
- [2]

[3]

c) Study the picture below and answer the questions that follow:



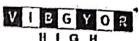
- i) Name the type of vegetation seen in the given picture.
- ii) Write any two economical values of the trees found in this forest.
- iii) When can these roots be seen on the surface?

d) Name the following:

[3]

- i) Vegetation found at the altitude of 2500 m 3000 m.
- ii) Festival of planting trees during the monsoon season.
- iii) Tree used for rearing shellac worms.

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Que	stion 6	Mob. 9821263050					
a)	Unce	rtainty of rainfall necessitates irrigation in India. Justify with an example.	[2]				
b)	Why is it difficult to develop mass irrigation facilities in positional and a						
c)		geographical reason:	[2] [3]				
	i)	Ground around canal irrigation becomes unproductive.	[o]				
	ii)	Sprinkler irrigation is best suited for semi-arid and arid regions.					
	iii)	Zaid is an exclusively irrigated crop.					
d)	With i	reference to conservation of water answer the following questions:	[3]				
	i)	Write two objectives of rain water harvesting.					
	ii)	Name the watershed development project started by Central government					
		stating its aim.					
•	iii)	List any two groundwater recharging methods.					
Ques	stion 7	•					
- a)	Name	the following:	[2]				
	i)	India is the second largest producer of this mineral					
	ii)	Source of energy which is found in small quantity in Jammu and Kashmir.	÷*				
	iii)	Any two petroleum reserves in Gujarat.	num				
	iv)	Usable gas produced by fermentation of biodegradable waste.					
b)	'Multip	ourpose projects are vital for the development of India.' Justify	[2]				
c)	With r	reference to petroleum answer the following questions:	[3]				
	i) -	Name any two by-products of petroleum.					
	ii)	How is petroleum harmful to marine animals?					
7	iii)	Name a refinery in:					
		a) Uttar Pradesh					
		b) Kerala					
d)	i)	Name the variety of iron ore found in Odisha and Goa.	[3]				
	ii)	Give reason for the following statements:					
		a) Manganese is important raw material of Iron and Steel Industry.					
		b) Bauxite is widely used in electrical equipment industry.					
Ques	tion 8	April 1980 Telephone (Telephone (
a)	Why is	s the agricultural yield in India low in comparison to the universal					
	produ	ction?	[2]				
b)	Explai	n the following terms:	[2]				
	i)	Organic farming					
	ii)	Crop Rotation					

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c)	5	State	he clima	tic requireme	ents for the	following crops	s:		[3]
·	ı i)	Wheat					- e.	
	i	i)	Coffee	44					
	. i	ii)	Jute						
d)	5	State	three imp	ortant aspec	cts of the Ja	panese metho	od of rice o	cultivation.	[3]
				in the second					
Qu	esti	on 9							
a)	- I	The ra	w mater	ials and pow	er resource	s play an impo	ortant role	in determining	the
			4			uitable exampl			[2]
b)			-	llowing abbr					[2]
, i)	PCL						
	, i	ii)	ISRO						
c)	-	i)	Name t	he industry v	which is loca	ited in Ganga-	Yamuna d	oab and Terai	
			regions	of north Indi	ia. Why is th	ne named indus	stry experi	encing stagna	ition
			and dec	cline?			. (
		ii)	State o	ne reason to	explain the	importance of	chemical	industry with	
			regard	to:					
127	16 i . s		a) Agri	iculture					
·sre"			b) Pub	dic Health.			-		
		iii)	Why is	the petroche	emical indus	try gaining imp	ortance?	State any two	
			exampl	les.	,				[3]
d)		ldent	ify the fol	llowing iron a	and steel pla	ints:			[3]
		i)	Iron an	d steel plant	setup in Jha	arkhand in 1907	7.		
		ii)	The inte	egrated stee	I plant with a	an advantage o	of coastal	location.	
		iii)	Iron and	d steel plant	gets its iron	ore from Keor	njhar and	Sundergarh	
			districts	5.	10.00				
Q	Jest	ion 1	0		· · · · · · · · · · · · · · · · · · ·				
a)		Ment	ion any t	wo unique fe	atures of Ko	onkan Railway	S.		[2]
b)				•		najor objective			[2]
c)		200		for the follo		-			[2] [3]
		i)			•	ed to adopt the	e policy of	gauge conver	
		ii)				ength of inland			J.J.11.
		iii)					7	senger service	S
d)		i)						y and a highwa	
		ii)	How.			way of India.	ALL SHOP SK	15 19 19 19 10	-y. [o]

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Question 11

a)	What is the direct impact of waste accumulation in the environment on animals								
	and b	irds?		[2]					
b)	Name	e the following:		[2]					
	i)	Concentration of the toxic substances in the food chain.							
•	ii)	Cause of Minamata disease.							
c)	i)	Name any two monuments affected by acid rain.	*	[3]					
	ii)	What is the need to protect the ozone layer?							
	iii)	What are the causes of depletion of the ezone layer?		,					
d)	Give	a reason for the following:		[3]					
-	i)	Trees should be planted.							
	ii)	Organic manure should be used.							
	iii)	Mass transport system should be used.							