

Drainage and Water Resources

- India's is blessed with hundreds of large and small rivers. On the basis of origin of rivers, the Indian drainage system can broadly be divided into –
 - (i) The Himalayan river system including Indus, Brahmaputra, Ganga and their tributaries.
 - (ii) The Peninsular river system which include Mahanadi, Godavari, Krishna, Kavery, Narmada, Tapi and their tributaries.
- A river and its tributaries drain in area, which is called a 'river basin'. A river system usually develops a pattern which is related to the general structure of the basin.
 - (i) A **dendric** pattern develops in a region made of rocks which after the same resistance to erosion and which has uniform structure.
 - (ii) A trellis drainage pattern develops in a region made up or alternate belts of hard and soft rocks which all dip in the same direction which lie right angle to the general slop, down which the river flows.
 - (iii) A radial pattern develops on a dome or volcanic cone. The river flows outwards, forming a pattern like the spokes of wheel.

The Himalayan River System

The Indus River system

- Originates from Tibet, near lake Mansarovar and flows towards west direction and ends at Arabian Sea.
- Tributaries are the Zaskar, the Nubra, the Shyok, the Hunza.
- The Sutlej, the Beas, the Ravi, the Chenab and the Jhelum join together to enter the Indus river near Mithankot in Pakistan.
- Total length is 2900 km. Near about 709 km in India and the drainage basin is estimated to have an area of 117, 884 sq. km in India.

The Ganga River System

- Originates from Gangotri Glacier and joined by Alakananda at Dev Prayag.
- The upper course of Ganga is popularly known as Bhagirathi.
- The tributaries are the Yamuna, the Ghaghara, the Gandak, the Kosi.

The Yamuna meets the Ganga at Allahabad. The Ghaghara, the Gandak, the Kosi originate from Nepal Himalayas, which cause flood of northern plain every year.

- The tributaries of Ganga at Peninsular uplands, the Chambal, the Betwa and the Son.
- The river Ganga bifurcates, at Farakka in West Bengal Bhagirathi, Hoogly and main stream of Ganga.
- The main stream of Ganga flows southwards into Bangladesh and joins Brahmaputra and forms the **Sunderban delta**.
- Total length is 2500 km and slope is hardly 300 metres.

The Brahmaputra River system

- The Brahmaputra rises on Tibet east of Mansarovar Lake.
- On reaching of Namcha Barwa, it takes 'U' turn and enters India in Arunachal Pradesh through gorge.
- It is called Tsangpo in Tibet and Dihang in Assam Himalaya.
- It is joined from north by Subansiri, Kameng, Jaibhorelli, Manas, Dhansiri and Tisa.
- The Dhansiri, Buhi Dihing, Disang and Kopoli join the Brahmaputra from south.
- It is met from the east by the Dibang, which drains the Himalaya east of Dihang and the Luhit, flowing between Assam and Burma.
- Total length of river 2580 km.

Peninsular Rivers

- Rivers like the Mahanadi, the Godavari, the Krishna and Kavery flow eastward and drain into the Bay of Bengal.
- Narmada and Tapi flow westward and meet Arabian Sea.

The Narmada Basin

- Rises from Amarkantak hills of Madhya Pradesh.
- Most part of the Narmada basin covers Madhya Pradesh and Gujarat.
- Very short streams are the tributaries.
- Dhuadhar waterfall is one of the picturesque location in Narmada river.
- It covers total area of about 1310 km.

The Tapi Basin

- Rises from the Satpura ranges, in Betul district of Madhya Pradesh.
- The river basin covers part of Madhya Pradesh, Gujarat and Maharashtra.
- The main west flowing rivers such as the Sabarmati, the Mahi, Periyar are the tributaries of Tapi.
- It covers near about 720 km.

The Godavari Basin

- The river Godavari originates from the slopes of the Western Ghats in Nasik district of Maharashtra.
- It covers Maharashtra, Madhya Pradesh and Andhra Pradesh.
- The tributaries are the Purna, the Wardha, the Pranhita, the Manjra, the Wain-Ganga.
- Its total length is 1500 km.

The Mahanadi Basin

- Rises from Shihawa of Raipur district of Madhya Pradesh.
- It flows towards Eastern Ghat and forms many tributaries at Cuttack before entering the sea.

The Krishna Basin

- Originates from Mahabaleshwar of Western Ghats.
- Total length is 1400 km.

- The tributaries are Tungabhadra, Verla, Malaprabha, Ghatprabha, Bhim etc.
- It flows through southern Maharashtra and Andhra Pradesh.

The Kavery

- Originates from Coorg district and drains the Mysore plateau before flowing into plain.
- Main tributaries are Bhavani, Amaravati, Hemavati, Shimsa.

Water Scarcity and Conservation

In different areas conservation methods of water are different. In Rajasthan, earthen pots are used for collecting and storing water.

Lakes

A lake is a body of water which lies on the earth's surface and is entirely surrounded by land.

- It is connected with sea except by rivers.
- In arid and semi-arid areas lakes may have no outlet to the sea and form the focus of an area of inland drainage. Example – Pulicate, Chilka, Wular lake etc.

Pollution of Rivers

Most of the rivers are polluted by different causes. In India the most polluted river is Ganga. So, in 1986 Ganga Action Plan was started to protect the river Ganga.

Water : Some Facts & Figures

- In total volume of world's water, 96.5% is saline and 2.5% is freshwater.
- 70% of freshwater is as glacier in Antarctica.
- India receives nearly 4% of global precipitation and ranks 133 in the world in terms of water availability per person per annum. The availability of water depends on rainfall.
- In Rajasthan the rainfall is low so, the people are collecting and storing water by travelling long distance.
- In most areas people depend on ground water.

Exercise

DIRECTIONS : This section contains multiple choice questions. Each question has 4 choices (1), (2), (3) and (4) out of which only one is correct.

- 1. Which one of the following describes the drainage pattern resembling the branches of a tree ?
 - (1) Radial (2) Dendric
 - (3) Centrifugal (4) Trellis
- 2. In which of the following state is the Wular lake located ?
 - (1) Rajasthan (2) Punjab
 - (3) Uttar Pradesh (4) Jammu & Kashmir
 - The river Narmada has its sources at
 - (1) Satpura (2) Amarkantak
 - (3) Brahmgiri (4) Slopes of Western Ghat
- 4. Which of the following is the longest river of peninsular India ?

(4) Mahanadi

- (1) Narmada (2) Godavari
- (3) Krishna

3.

Dams

A dam is a barrier across flowing water that obstructs and retards the flow, often creating a reservoir or lake.

- Most dams have a section called a spillway or weir over which or through which it is intended that water will flow either intermittently or continuously.
- Dams are classified as timber dam, embankment dam, masonry dam.
- According to the height dams can be catagorised as large dam and major dams or as low dams, medium height dam and high dam.

Narmada Bachao Andolan

- It is a movement that mobilised tribal people, farmers, environmentalists and human rights activist against the Sardar Sarovar Dam being built across the Narmada river in Gujarat.
- It was originally focused on the environmental issues related to trees that would be submerged under the dam water.
- Later it has the aim to enable poor citizens, to get full rehabilitation facilities from government.

Rain Water Harvesting

Rain water harvesting is an ancient technique to conserve water. In hills and mountainous regions, people built diversion channels like the 'guls' or 'kul' of Western Himalaya for agriculture.

- In Rajasthan root top rain water harvesting was commonly practised.
- In flood plains, people developed inundation channels to irrigate their fields.
- In arid and semi-arid regions agricultural fields are converted into rain fed storage structure.

- 5. Which of the following is a salt water lake ?
 - (1) Sambhar (2) Dal
 - (3) Wular (4) Govind Sagar
- 6. Which one amongst the following rivers flows through a rift valley ?
 - (1) Damodar (2) Tungabhadra
 - (3) Krishna (4) Tapi
- 7. The area drained by a single river system is called :
 - (1) Water divide (2) Drainage basin
 - (3) River system (4) Perennial river
- 8. In which course the intensive erosional activity is performed by the river ?

(2) Middle

- (1) Lower
 - (3) Upper (4) Coast
- 9. Which of the following rivers does not originate from Tibet ?
 - (1) Sutlej (2) Brahmaputra
 - (3) Beas (4) Indus

10.	River Ganga emerges on the plain at :	27.	Which place
	(1) Dev Prayag (2) Haridwar		Indus and t
	(3) Ambala (4) Mithankot		(1) Allaha
11.	Which of the following river is known as Dakshina	Ganga ?	(3) Haridy
	(1) Mahanadi (2) Godavari	28.	What is Na
	(3) Narmada (4) Kaveri		(1) Social
12.	The lake formed due to tectonic activities is :		(2) Mover
	(1) Lohtak (2) Dal lake		(3) Water
	(3) Wular lake (4) Bhimtal		(4) Indust
13.	River Godavari emerges from which district of Maha	arashtra? 29.	Which dam
	(1) Nagpur (2) Satara		(1) Nagar
	(3) Nasik (4) Wardha		(3) Mettu
14.	, <u> </u>	30.	Which of th
	(1) Satlej (2) Brahmaputra		India ?
	(3) Indus (4) Chenab		(1) Khadi
15.	Which of the following rivers does not drain into the	e Arabian	(3) Dams
	sea?	31.	Which on
	(1) Narmada (2) Indus		multipurpos
16	(3) Kaveri (4) None of these		(1) It can
16.	A delta is formed at		(2) It frag
	(1) meander (2) upper course of the course o		fauna
17	(3) mouth of the river (4) lower course of the		(3) It will
17.	Which of the following is a name of Brahmaputra	?	(4) It will
	(1) Megha (2) Dibaang	32.	Against th
10	(3) Tsangpo (4) Jamtina	0	multipurpo
18.	Royal Bengal Tiger is found in which area of India	a ?	launched ?
	(1) The Sunderban Delta (2) West Demgal		(1) Sardar
	(2) West Bengal(3) The Ganga – Brahmaputra region		(3) Rihan
		33.	Which one
19.	(4) None of these What is the total length of the river Ganga's drainag	ne hasin?	is construct
19.	(1) $1500 \mathrm{km}$ (2) $2500 \mathrm{km}$	ge basin !	(1) Tehri
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(3) Rana I
20.		the pair 34 .	Which rive
20.	are salt water lakes in eastern coast of India?	r the pull	Sutlej ?
	(1) Chilka and Pulicat (2) Pulicat and Wular	r	(1) Tehri
	(3) Chilka and Wular (4) Wular and Sambh		(3) Salal
21.	Through which of the two states does the river Ka	25	Which one
	through ?	P	harvesting
	(1) Tamil Nadu & Karnataka		(1) Tamil
	(2) Andhra Pradesh & Tamil Nadu		(3) Rajast
	(3) Karnataka & Andhra Pradesh	36.	Which of the
	(4) None of these		the Ganga
22.	When did the activities of the Ganga Action Plan	phase-1	(1) Ganda
	initiated.		(3) Yamur
	(1) 1951 (2) 1947	37.	On which o
	(3) 1963 (4) 1986		(1) Jhelun
23.	The Dibang and the Lohit are the tributaries of whi		(3) Sutlej
	(1) The Indus (2) The Tista	38.	In which st
	(3) The Brahmaputra (4) The Narmada		(1) Himac
24.	From which place does the river indus rise ?		(3) Uttar
	(1) From Gangotri glacier (2) Amarkantak hills	39.	Which of
	(3) From Tibet (4) None of these		Ganga ?
25.	Which of the following rivers has the largest draina	age basin	(1) Yamur
	in the world ?		(3) Gomat
	(1) The Nile (2) The Brahmapurta	40.	By what na
	(3) The Amazon (4) The Thames		(1) Padma
26.	At which place do Sutlej, Beas, Ravi, Chenab and	d Jhelum	(3) Rup N
	rivers join together to enter the river Indus ?	41.	Teesta form
	(1) Mithankot (2) Pathankot		(1) Ganga
	(3) Amritsar (4) Dev Prayag		(3) Kaver

- ice is located on the water divide between the the Ganga river system ?
 - abad (2) Ambala
 - (4) Kanpur war
- larmada Bachao Andolan?
- l movement
- ement against the Construction of Dam.
- r Movement
- strial Worker Movement
- n is built on River Krishna?
- (2) Periyar rjun Sagar
 - (4) Hirakud ur
- he following is also called as the temples of modern
 - lins (2) Tanks
 - (4) None of these
- ne of the following statement is true for a ose river valley project ?
 - store the entire rain water recieved in a region.
 - gments rivers, which makes it difficult for aquatic to migrate.
 - ll not affect the natural flow of river.
 - ll not affect the cropping pattern of a region.
 - he construction of which of the following ose projects was the Narmada Bachao Andolan 9
 - ır Sarovar (2) Bhakra Nangal
 - nd (4) Tehri
- of the following multipurpose river valley project cted on river Mahanadi?
 - (2) Hirakund
 - Pratap Sagar (4) Nagarjun Sagar
- er valley project has been constructed on river
 - (2) Rana Pratap Sagar
 - (4) Bhakra Nangal
- e of the following state has made roof rain water compulsory for all the houses across the state ?
 - Nadu (2) Haryana
 - than (4) Kerala
- the following river has joined to main streams of at Dev Prayag?
 - ak (2) Alakananda
 - (4) None of these ina
- of the following rivers is the Salal Project located?
 - (2) Chenab m
 - (4) Luni
- tate is the Tehri Dam located ?
- (2) Punjab chal Pradesh
- Pradesh (4) Uttarakhand
- f the following is not a tributary of the
 - (2) Son ına
 - (4) Sutlej ati
- ame is the Ganga known in Bangladesh ?
 - ıa (2) Bhagirathi
 - Narayan (4) Nubra
- ns a part of which major river system ?
 - (2) Krishna a
 - (4) Brahmaputra (3) Kavery

(3) Amritsar (4) Dev Prayag 42. Observe the figure given below :



Which type of drainage is shown in the above figure ?

- (1) Rectangular (2) Radial
- (3) Dendric (4) Trellis
- 43. Observe the figure and identify the area 'x'.



(1) Sea (2) Oxbow lake

- (4) Delta area
- 44. Which of the following statement is not an argument in favour of multipurpose river project ?
 - (1) Multi-purpose projects bring water to those areas which suffer from water scarcity.
 - (2) Regulated water flow helps to control flood.
 - (3) Lead to large scale displacement and loss of livelihood.
 - (4) Generate electricity for industries and houses.
- 45. Which of the following is false ?

(3) Atolt

- (1) Krishna serves Maharashtra and Andhra Pradesh.
- (2) Godavari serves Madhya Pradesh.
- (3) Mahanadi serves Bihar & Orissa.
- (4) Narmada serves Maharashtra.
- 46. Most of the rivers flowing westward from the Western Ghats do not form deltas because
 - (1) Of the high gradient
 - (2) They are too slow
 - (3) They are not perennial (4) There is no vegetation
- 47. Which of the following rivers is known as 'Vridha Ganga'?
 - (1) Godavari (2) Krishna
 - (3) Mahanadi (4) Kauery

Exercise 2

Matching Based MCQ

DIRECTIONS(Qs.1 and 2) : Match Column-I with Column-II and select the correct answer using the codes given below the columns.

1.		Column-I Rivers		Column-II Origin
	(A)	Indus	(p)	Uttarakhand
	(B)	Ganga	(q)	Tibet
	(C)	Godavari	(r)	Madhya Pradesh
	(D)	Narmada	(s)	Maharashtra
			(t)	Karnataka
	(1)	$A \rightarrow (q); B \rightarrow (p); C$	\rightarrow (s)); $D \rightarrow (r)$
	(2)	$A \rightarrow (s); B \rightarrow (r); C$	\rightarrow (q)	; $D \rightarrow (p)$
	(3)	$A \rightarrow (p); B \rightarrow (q); C$	\rightarrow (r)	$; D \rightarrow (s)$
	(4)	$A \rightarrow (r); B \rightarrow (s); C$	\rightarrow (p)	$; D \rightarrow (q)$

2. Column-I

(A) Flows between (p) Mahanadi the Satpuras and the Vindhyas

- (B) Forms a delta (q) Narmada in Orissa
- (C) Hemavati, Herani (r) Brahmaputra and Amaravati
- (D) River also known (s) Krishna as Tsangpo

(t) Kavery

Column-II

- (1) $A \rightarrow (q); B \rightarrow (p); C \rightarrow (t); D \rightarrow (r)$
- (2) $A \rightarrow (p); B \rightarrow (s); C \rightarrow (q); D \rightarrow (t)$
- (3) $A \rightarrow (t); B \rightarrow (r); C \rightarrow (q); D \rightarrow (p)$
- (4) $A \rightarrow (s); B \rightarrow (p); C \rightarrow (r); D \rightarrow (q)$

Statement Based MCQ

- 3. With reference to origin of rivers;
 - Consider the following statements :
 - River Brahmaputra originates from Tibet near (a) Mansarovar.
 - (b) River Mahanadi rises from Western Ghats.
 - Which of the statement(s) given above is/are correct ?
 - (2) (b) only (1) (a) only
 - (3) Neither (a) nor (b) (4) Both (a) and (b)
- 4 With references to the tributaries of the river Ganga; Consider the following statements :
 - (a) The Yamuna and the Son are right bank rivers.
 - (b) The Gandak and the Kosi are its major left bank tributaries.
 - Which of the statement(s) given above is/are correct ?
 - (1) (a) only (2) (b) only
 - (3) Neither (a) and (b) (4) Both (a) and (b)
 - With reference to rain water harvesting;

Consider the following statements :

5.

- (a) In hilly areas people conserve rain water through diversion channels.
- (b) In Bengal Khadin and Johads are found for rain water harvesting.

Which of the statement(s) above is/are correct ?

- (1) (a) only (2) (b) only
- (3) Neither (a) nor (b) (4) Both (a) and (b)

Passage Based MCQ

DIRECTIONS (Qs. 6 to 12) : Read the passage(s) given below and answer the questions that follow.

PASSAGE - 1

Chilka is the largest brackish water lake in Asia. A mixture of estuarine, marine and fresh water of ecosystem is observed here. Due to serious degradation brought mainly by siltation and Choking of sewage inlet channel, the decrease in fish productivity and overall loss of biodiversity. Chilka lake was added to the list of Ramsar Site in danger the Montreux Record in 1993. To address the ecological problems of the lagoon Chilka Development Authority (CDA) was created in 1992.

It implemented a bold programme of action to restore the ecosystem and to improve the socio-economic conditions of communities living around the lagoon and on its island.

- Which is the chief cause of Chilka pollution ? 6. (2) Industrial sewage
 - (1) Siltation
 - (3) Thermal plant sewage(4) None of these
- 7. Which type of lake is Chilka ?
 - (1) Fresh water Saline water (2)
 - (3) Brackish water (4) None of these
- To avoid ecological problems in Chilka, which organization 8. has been set up ?
 - (1) MPEDA (Marine Processing Export Development Authority)
 - Zoological Survey of India (2)
 - (3) Chilka Development Authority
 - (4) None of these

PASSAGE - 2

Worldwide, over 45,000 large dams have been built and nearly half the world's rivers are obstructed by a large dam. The belief that large dams, by increasing irrigation and hydroelectricity production, can cause development and reduce poverty has led developing countries and international agencies such as the World Bank to undertake major investments in dam construction.

- Which of the following are not the advantage of the dam ?
 - (1) Displacement of people
 - (2) Hydroelectric production
 - (3) Irrigation of water
 - (4) None of these
- 10. Which organisation has mostly invested in dam construction ?
 - (1) Asian Development Bank
 - (2)World Bank
 - (3) IMF

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(4) None of these

PASSAGE - 3

Jhalaras were human made lakes found in Rajasthan and Gujarat, for conservation of rainwater and essentially meant for community use and for religious rites. Often rectangular in design, Jhalaras have steps on three or four sides.

Jhalaras are ground water bodies which are built to ensure easy and regular supply of water to surrounding areas.

Jhalaras collect subterranian seepage of a talab or a lake located upstream. Water from these Jhalaras was not used for drinking but for only for community bathing and religious rites.

- What is the shape of a Jhalara ? 11.
 - (1) Spherical (2) Rectangular
 - (3) Triangular (4) None of these
- 12. Which of the following is not a use of water of Jhalaras ?
 - (1) Drinking (2) Bathing
 - (3) Cleaning of animals (4) None of these

Assertion Reason Based MCO

DIRECTIONS (Qs. 13 to 15): Following questions consist of two statements, one labelled as the 'Assertion' and the other as 'Reason'. You are to examine these two statements carefully and select the answer to these items using the code given below.

Code:

- (1) Both A and R are individually true and R is the correct explanation of A:
- (2) Both A and R are individually true but R is not the correct explanation of A.
- (3) A is true but R is false.
- (4) If both A and R are false.
- 13. Assertion : Most dams have a section called a spillway or weir.

Reason : Through the spillway water will flow intermittently or continuously for migration of different fishes and other organisms and flood control.

14. Assertion : 'Narmada Bachao Andolan' and 'Tehri' Dam Andolan' are social movements for protection of environment.

Reason : It would integrate development of agriculture and the village economy with rapid industrialisation.

15. Assertion : Bamboo pipes are used for drip irrigation. **Reason :** About 28-30 litres of water enters the bamboo pipe system.

Correct Definition Based MCQ

- Which is the correct definition of a 'lake'? 16.
 - (1) A water body, completely surrounded by land is known as a lake.
 - (2) The part of river which has been bypassed by the main flow of a stream, through still joined to it.
 - (3) A wide curving indention made by the sea.
 - (4) None of these
- What is a river ? 17.
 - (1) A stream with small island of sand and silt in between its course.
 - (2) A large stream of fresh water flowing down hill within a channel to enter another river or sea.
 - (3) The horizontal movement of water of the sea caused by the tide.
 - (4) None of these
- What is the correct definition of the term 'Doab' ? 18.
 - (1) The place where the delta of river begins.
 - (2) The place where two or more rivers meet.
 - (3) The land between two separate river system.
 - (4) The land between two tributaries of a river.

Feature Based MCQ

- 19. On the basis of following features identify correct option.
 - It is the area of junction of land and the sea. (I)
 - (II) Located on an eroded platform of solid rock, the wave cut platform.
 - (1) Bay (2) Lagoon
 - (3) Beach (4) None of these
- On the basis of following features identify correct option. 20
 - The small crescent -shaped lake in a flood plain that (D) originally formed part of a river meander.
 - (II) Formed by erosion of a meandering river.
 - River (2) Tributaries (1)
 - (3) Oxbow lake (4) None of these
- 21. On the basis of following features identify correct option.
 - Sedimentary material deposited by a river. (I)
 - (II) Found in delta regions and flood plains.
 - (III) These deposits are agriculturally fertile.
 - (2) Red soil Black soil (1)
 - (3) Alluvial soil (4) None of these

Hints X SO 115

32.

35.

(1)

Exercise

1.	(2)						36.	(2)	The head stre		
2.	(4)	Wular lake is in Jammu and Kashmir.						and joined by the Ala			
3.	(2)	Narmada rise	rises from Amarkantak Plateau of Madhya Pradesh.			Iadhya Pradesh.	37.	(2)	Salal hydroel	ectric	
4.	(2)	Godavari is the longest river in Peninsular India.				ndia.		in Jammu & Kashmir.			
5.	(1)	6.	(4)				38.	(4)	39.	(4)	
7.	(2)	8.	(3)				41.	(4)	42.	(3)	
9.	(3)	Beas originates from Kullu hills near Rohtang.			44.	(3)	45.	(4)			
10.	(2)	e				C	47.	(1)			
11.	(2)	The Godava	ri is called	'Dakshina G	anga'.					E	
12.	(3)										
13	(3)	River Godav	ari originat	es from Nas	ik of M	aharashtra.	1.	(1)	2.	(1)	
14.	(3)	15.		16.			3.	(1)) River Mahanadi ri		
17.	(3)	18.	. /	19.			4.	(4)			
20.	(1)	21.			()		5.	(1)	Johads and H	Khadir	
22.	(4)	Prime minist		Gandhi starte	d in 19	86.	6.	(1)	7.	(3)	
23.	(3)		-			of Brahmaputra	9.	(1)	10.	(2)	
201	(-)	runachal Prad				or Drainiap au a	12.	(1)	13.	(1)	
24.	(3)						15.	(3)	16.	(1)	
25.	(3)	The Amazon	has the la	rgest drainag	e basin	in the world.	18.	(3)			
26.	(1)	27.	(2)	28.	(2)		19.	(3)	Accumulation	n of n	
29. (1)		30. (3) 31. (2)				sprii	ng tides and th	e higl			
	. /		. /		. /		20.	(3)	21.	(3)	

- (3)
- f the Ganga is fed by the Gangotri Glacier nanda at Dev Prayag in Uttaranchal

34. (4)

- power station is located on river Chenab
- 40. (1) 43. (2) 46. (1)

33. (2)

ercise

- ises form Eastern Ghats.
- ns are found in Rajasthan.
- 8. (3) 11. (2) 14. (2)
 - 17. (2)

naterials lying between the lowest level of hest level reached by storm waves.