

# MT EDUCARE LTD.

ICSE X

SUBJECT : **GEOGRAPHY**

## Map Marking & Topography STEP UP ANSWER SHEET

**A.1. Study the extract of the Survey of India Map sheet No. 45D/7 and answer the following questions: (Eastings 91 to 01, Northings 73 to 83)**

- (a) Six fig. grid reference are :
- $\Delta$  217 - 940793
  - lined well - 929814
- (b) (i) Left bank tributary is Balaram nadi.  
(ii) It is flowing from SE to NW.
- (c) (i) Feature associated with stream is broken ground.  
(ii) Dendritic pattern.
- (d) Four fig. grid reference
- Open scrub - 9573
  - Bantawada - 9978
- (e) Two relief features are :  
9782 - Conical hill  
9574 - Steep slope
- (f) There is limited cultivation in the map because
- Scarce rainfall.
  - Sandy or desert area.
- (g) Sangla to Atroli - North east.  
Sangla to Chekhla - North.
- (h) The region experiences seasonal rainfall. The different evidences are dry tanks, dry rivers, sand features, broken ground.
- (i) Distance in cm = 5.2  
Distance in km =  $\frac{5.2}{2}$  (scale 2 cm. to 1 km.)  
Distance in km = 2.6.
- (j) (i) General pattern of settlement is Nucleated.  
(ii) One region unsuitable for the cultivation of crops is broken ground/  
white coloured region which is a barren land. **[2013]**

**A.2. Study the extract of the Survey of India Map sheet No. 45D/10 and answer the following questions: (Eastings 01 to 11, Northings 18 to 28)**

- (a) (i) 01 23  
(ii) 079 187
- (b) (i) Lined perennial well (through the circle is not given in the map)  
(ii) North West
- (c) (i) Settlement in 0725-Dispersed.  
Settlement Idarla - Nucleated.  
(ii) Drainage of 0624 - Dendritic  
Drainage of 0624 - Dendritic

- (d) 300 meter, 20 meter.
- (e) No large settlement, No metalled road
- (f) (i) The black curves line in 0721 is broken ground. Broken ground is formed due to alternating dry and wet periods along the banks of seasonal river where the soil is soft.  
(ii) Large number of lined perennial wells.
- (g) (i) At 0527 the natural features are seasonal stream and trees, Barren land.  
(ii) Motorable road in dry season and settlement.
- (h) The settlement Dantrai has a police chouki and post office. Other settlements do not have them.
- (i) Length-19.5 cm → 9.75 km  
Breadth-6 cm → 3 km  
(as per Scale 2 cm to 1 km)  
Area =  $9.75 \times 3 = 29.25$  sq.km
- (j) (i) Longitude  
(ii) 302 in grid square 0425 is a spot height. [2014]

**A.3. Study the extract of the Survey of India Map sheet No. 45D/10 and answer the following questions : (Eastings 15 to 25, Northings 02 to 12)**

- (a) Dry tank -1511
- (b) Drainage pattern in 1606 is radial pattern and in 1608 is trellised pattern.
- (c) (i) 200071  
(ii) 179052
- (d) Vajna as it has a police chauki and metalled road
- (e) (i) Towards the West/South-West  
(ii) South West
- (f) (i) Causeway : It is a raised metalled road across a stream or a marshy area  
(ii) Falls indicate that the waterfall is located at a height of 25m
- (g) (i) 1 hour  
(ii) Total number of grids = 15  
Area of 1 grid = 1 sq. km.  
Thus area of 15 grids =15 sq. km.
- (h) (i) 1610 : broken ground/seasonal stream/dry stream  
(ii) 1903: permanent settlement/embankment
- (i) Presence of broken ground/cause ways/road motorable in dry season.
- (j) Highest point 1409 metres- contour height to 280 metres = 1129 metres. [2015]

**A.4. Study the extract of the Survey of India Map sheet No. 45D/7 and answer the following questions : (Eastings 91 to 01, Northings 73 to 83)**

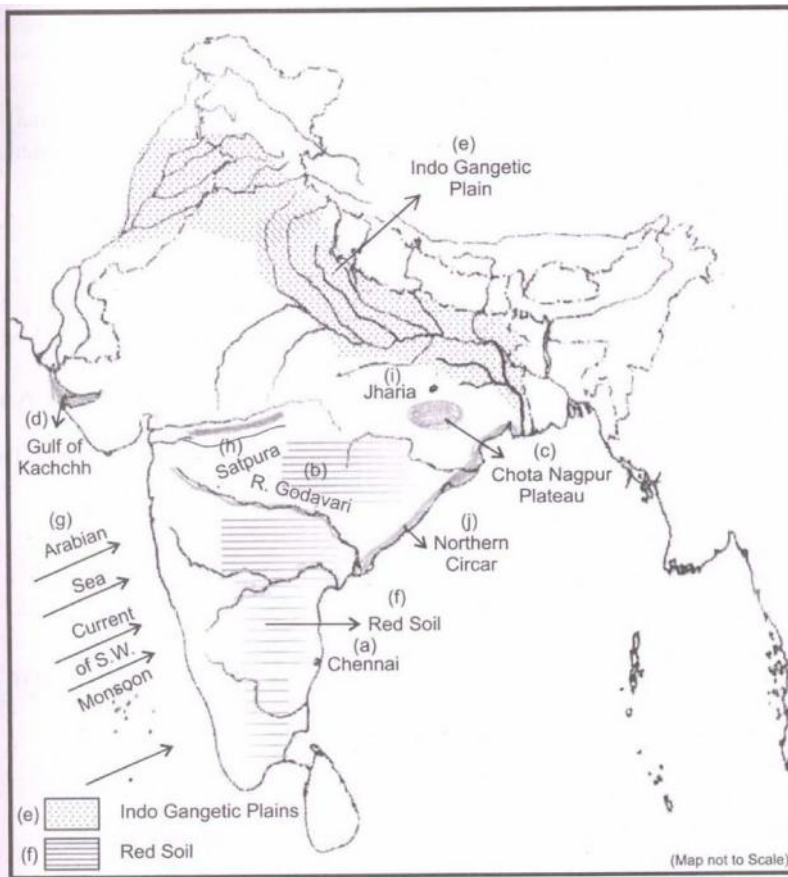
- (a) (i) 979755  
(ii) 957744
- (b) North East to West  
Spot heights are decreasing towards west
- (c) (i) Relative height of sand dunes is 12 meter's.  
(ii) Contour height is 180 meter's.  
Imaginary lines joining places of equal heights of the mean sea level.
- (d) Area : Length – 76 to 81 Northing = 10 cm > 5 km, Breadth – 93 to 99 Easting = 12 cm > 6 km.
- (e) (i) North East  
(ii) Highest point on the map is 542 meter's, Moti Batamal 198 meter's.  
So the difference in altitude is 542m – 198m = 344m.
- (f) (i) Blue line in Balaram Nadi indicates perennial flow of water  
(ii) Sand dunes
- (g) (i) Radial  
(ii) Disappearing stream
- (h) The region receives seasonal scanty rain fall.  
Open scrub – broken ground – large number of seasonal streams – large number of perennial wells, indicate the region receive seasonal scanty rain fall.
- (i) Manmade features are – huts and cart track. Natural features are Banas river, broken ground.
- (j) (i) Longitude – 25 East  
(ii) Railway station.

**[2016]**

**MAP MARKING**

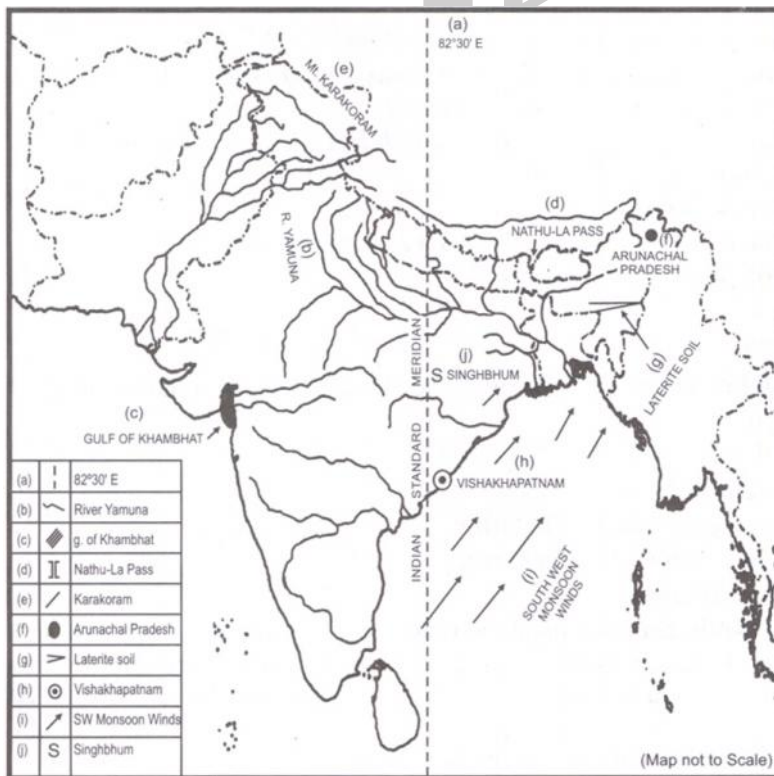
**On the outline map of India provided:**

**A.1.**



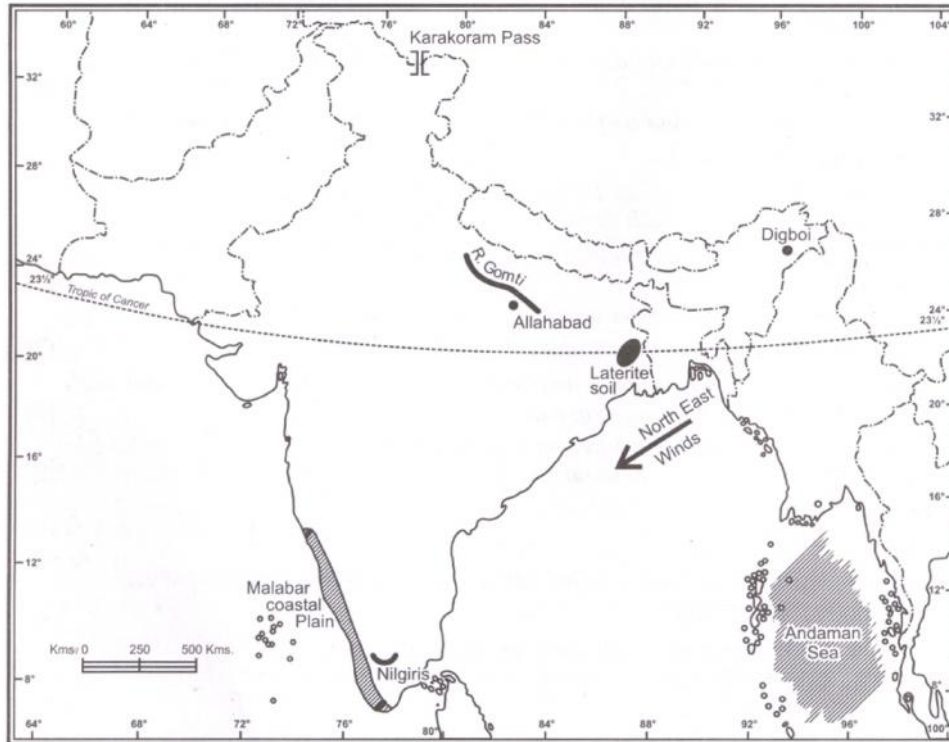
[2013]

**A.2.**



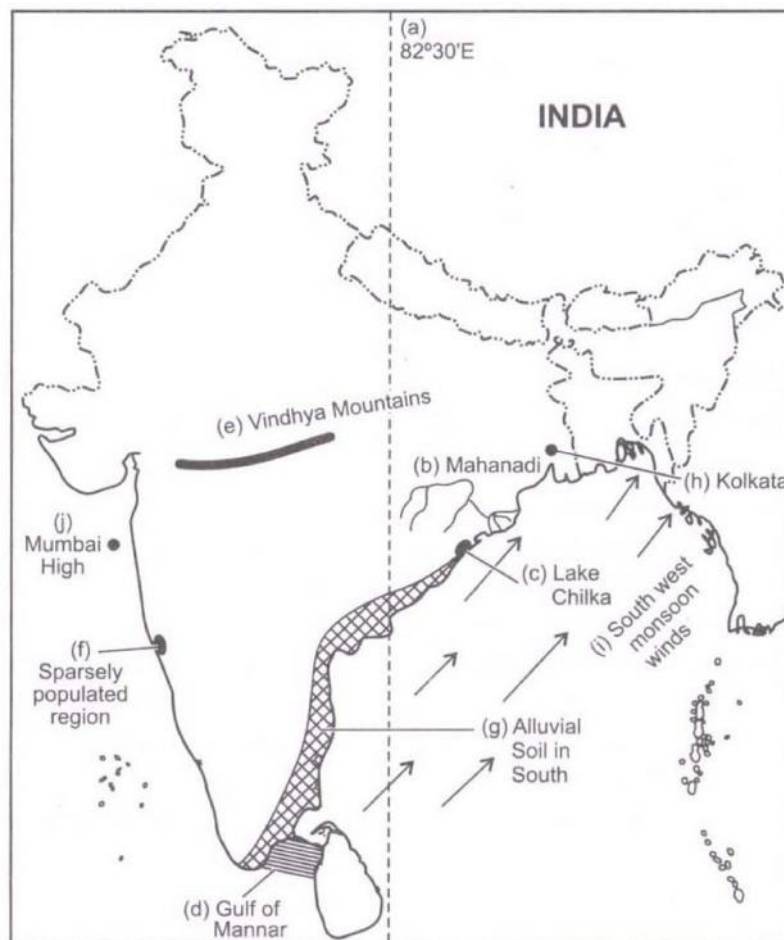
[2014]

A.3.



[2015]

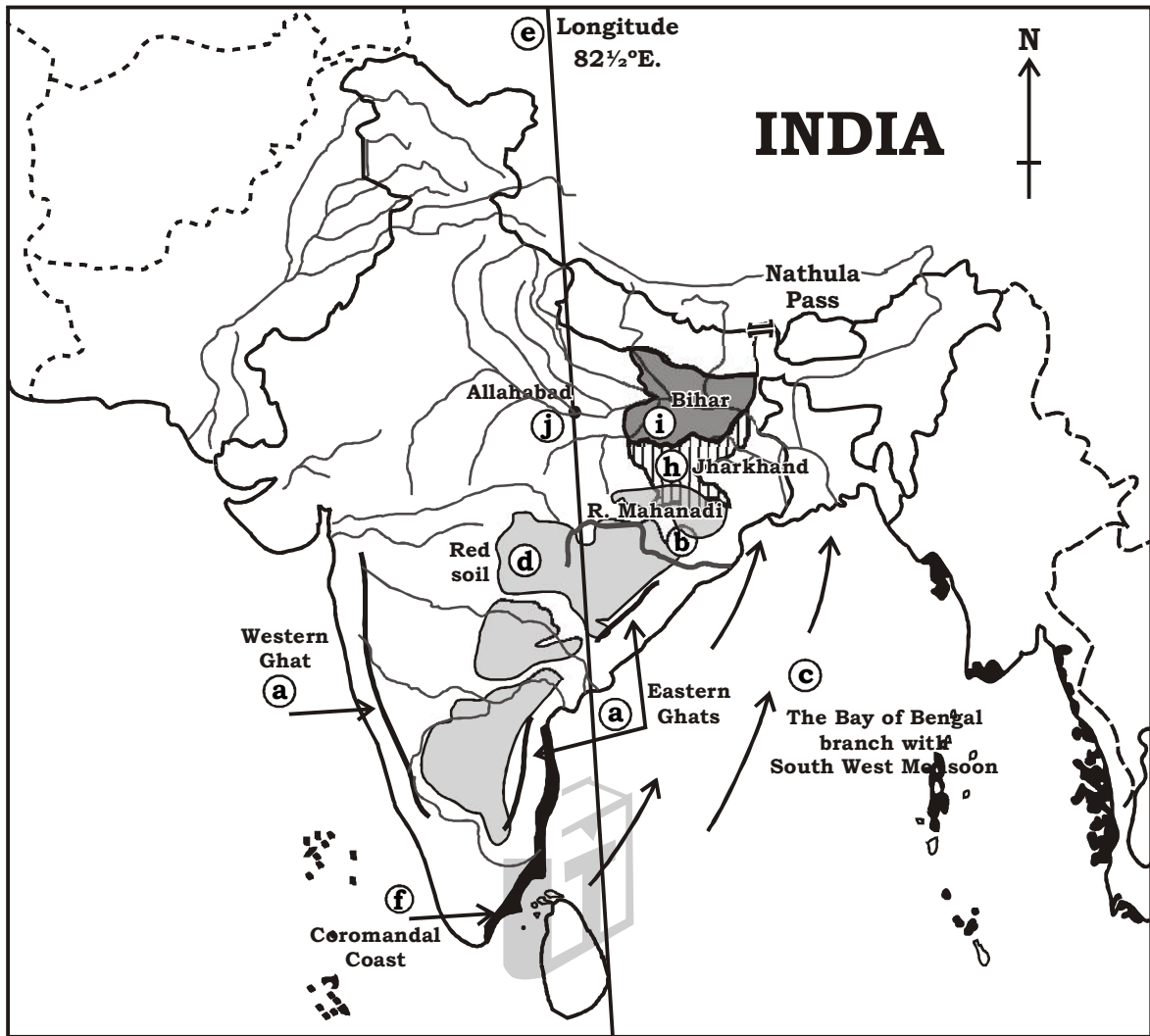
A.4.



[2016]



A.5.



[2017]