

**Answers I Part**

1. 3 Sun
2. 2 Jupiter
3. 1 60 Minutes
4. 3 Thar
5. 4 Brown
6. ✓
7. X
8. ✓
9. X
10. ✓
11. 2 BCDA
12. 4 CDAB
13. 1 CDBA
14. 3 DBAC
15. 2 CDAB
- 16. Mars**
17. Uranus
18. Neptune
19. Venus
20. Pakistan

**Part II**

- (1) a. Drawing contour lines by joining Spot-heights  
For drawing six (6) lines, one mark per line (06 Marks )
- b.
1. Colouring two highlands over 620 metres in brown (02 Marks )
  2. Drawing A-Grade main road in Red colour (02 Marks)
  3. Drawing the main River called B in Light Blue (02 Marks)
  4. Drawing the Railway Station on the spot shown as C, and the Railway Stop on the place shown as D in the standard colour – Red. (02 Marks)
  5. Colouring the Irrigation Tank shown as E in blue (Ignore about the tank-bund) (better to use brown colour)  
Drawing the Irrigation canal up to the irrigation tank called F in standard symbol and colour. (02 Marks)

(2)

i. Dust and air particles (02 Marks)

ii. 1. Be the key element that provides the necessary strength for the survival of life on earth.

2. Situated in the Centre of the Solar system.

3. Emitting enormous heat as a result of various reactions that take place in the interior of the Sun

4. Temperature in the Centre of the Sun becoming  $15000000C^0$

5. Temperature on the surface becoming  $6000C^0$

Four factors out of them (04 Marks )

iii a. Two out of these planets Pluto, Eris, Ceres Makemake, Haumea. (02 Marks)

b. Asteroids are considered to be rock-like pieces of residuals during the formation of the Solar system. They are formed of solid rocks and do not take any exact shape. They are objects in different sizes that floating in Space. More than one million such asteroids are formed in a shape of a bangle between Planets Mars and Jupiter.

To describe in short. (03 Marks )

3. i. 1. Occurrence of Day and Night

2. Occurrence of time differences in different regions (02 Marks)

ii. 1. Existence of an atmosphere with gases that favourable to living beings and water vapour

2. Availability of water

3. Existence of moderate temperature

4. Rotating and revolving

5. Cessation of Gravitation.

Four factors out of the above (04 Marks)

iii. a Longitude  $0^0$ - Greenwich Line

Latitude  $0^0$ - Equator

(02 Marks)

b The network of grid-like imaginary lines drawn around the Planet Earth to enable

to identify any location on it is called as Latitudes and Longitudes. (03Marks)

4. i. Two out of liquid, solid and vapor (02 Marks)

ii. Breathing air is an essential factor for the existence of life.

2. Retention of water vapor helps the activation of the water cycle

3. The Ozone layer in the upper atmosphere controls the harmful rays to the living-beings reaching in earth.

4. The meteoroids which heading towards planet earth from the space are burnt as they enter the atmosphere, and the falling of their remnants on earth is controlled.
5. Temperature on the surface of earth is controlled by air. 4 facts out of them (04 Marks)

iii a. Two factors such as:

1. A necessary factor for the existence of the living beings
2. For household activities.
3. For all the agricultural activities,
4. For various industries
5. For transport activities
6. For power generation
7. For recreational activities. (02 Marks)

- a. Release of factory waste by industries, release of household-garbage, Water is polluted when pesticides and chemical fertilizer are released to the water during agricultural activities.

(03 Marks)

(5) i

- a. Eastern boundary – Bay of Bengal
- b. Western boundary – Arabian Sea (02 Marks)
- ii. Four Ethnic groups such as Bhutia, Kaasa, Dards, Lepcha, Sherpas. (04 Marks)

iii. a. Two factors such as:

1. Flat, wide and strong heels to enable to climb hills.
2. Strong hands to enable to lift heavy weights.
3. Lungs that resisting to live with less oxygen. (02 Marks)

- b. The main livelihood is agriculture and animal husbandry. Terrace cultivation is carried out in the low lying areas among the hills, cattle and sheep rearing in hilly areas, and do jobs related to tourism such as guiding mountain trekkers, selling them goods, and proving porter service.

Women are engaged in jobs such as weaving cloths and threads . ..... (03 Marks )

(6) I Nepal, Bhutan

(02 Marks)

li For four factors such as:

1. Spread land with sandy plains.
2. Rainfall less than 250mm.
3. Prevailing heavy evaporation.

4. Prevailing high temperature.

(04 Marks)

iii. a. To write two factors such as:

1. Jobs related to hotel industry.
2. Sale of ornamental goods
3. Ayurveda centers
4. Tourist guides
5. Trade
6. Jobs related to ports.

(02 Marks )

b. To describe these factors in short: There are specific environmental areas in Mangroves, Wetlands and Marshy lands. A diversification among these special species of trees, reptiles, birds and fish can be seen in this environment.

(03 Marks)

7) i. Biological and cultural features: The natural features on earth are named as biological features while other features created with the involvement of the man are called cultural features. (Marks 02)

ii. a. Length: 12cm = 6km    Width: 8cm = 4km

(02 Marks)

b. Drawing two administrative boundaries such as Provincial, District, Divisional Secretariat Division, Grama Niladhri Division, Urban Council using standard colours and symbols. (02 Marks)

iii. a. Mountain ranges, Conical hill, Plains, Spur, Valley, Gaps.

(02 Marks)

b. Describe two of the above features using short notes.

(03 Marks)