GS0.101 Spatial Thinking and Practice

Monsoon 2024   Quiz-1

Time: 45 minutes   **Total Marks: 20**

Q1. In the context of rain as a phenomena, from cloud formation to it causing flooding as an impact, sciences identify these across *three* domains of interest (real, actual, empirical). Now, give your responses to the following -
  (a) Identify and list the different stages in this phenomena
  (b) For each stage, which domain of interest is at play and what theory/law/rationale/ scientific understanding can explain that
  (c) Indicate whether these stages are spatial or non-spatial, support your statement
                                                    [1.5+3+3 = 7.5 marks]

Q2. You work for a timber wood extracting company and the company recently acquired a new land area of approximately 500 sq. kms for timber harvest. But, the stands (trees) are at various stages of growth, and only matured forest stands of more than 20years old can be harvested in a given year. Your task is to come up with an approach to identify harvest regions for each year, for the next 5 years. Based on the discussions in the class on field data collection, list out at least 3 steps that you will take to get this task done. [Hint; DBH or diameter at breast height of the tree gives information on the age of the tree] **[4.5 marks]**

Q3. Cartographic visualisation (or map) emphasises what, when representing real-world objects in space? Location or Magnitude or Significance. Take one example of your ownand share your views. **[3 marks]**

Q4. You want to create a Map of IIITH campus. State the purpose why you want to make such a Map, and how will you go about doing that? Mention atleast 3 to 4 steps that you envisage. **[3 marks]**

Q5. Match the following.   **[2 marks]**

A. Describing the entity as a whole	1. Disasters like landslides
B. Understand the entity as a system	2. Human settlements
C. Events and their impacts over a region or the world	3. Mountains, Plains
D. Region as a Mosaic of people, places and events	4. Societal response to Covid-19 pandemic