**QUICK APPROACH ON NATURAL RESOURCES BY TEA 0704499997/0708168051**

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| **Human activity** | **C+E+R+Cp=03scores**  **C;category**  **E;example**  **R;reason**  **Cp;composition** | **Impact of the human activity on the natural resource, how the impact occurs and mitigation =03scores** | **Importance/benefits of the Natural resource =02scores** |
| **Charcoal burning** | Air✓ce and vegetation ✓ce are renewable natural resources ✓ci because they can be replenished✓cr.Air is composed of oxygen✓cp,carbondioxide,  nitrogen✓cp where as vegetation is composed of carbon,hydrogen,  oxygen✓cp and magnesium✓cp | Charcoal burning involves cutting down of trees which results into increased ✓i accumulation of carbondioxide in the atmosphere leading to climate change ✓h like prolonged drought etc.This can be mitigated by planting trees to absorb ✓m carbondioxide from the atmosphere | Air facilitates respiration✓bi where food is broken down to release energy which facilitates food activities✓be  Air facilitates photosynthesis✓bi where carbondioxide from the air combines with water in the presence of sunlight to make food✓be |
| **Stone quarrying** | Rocks✓ce are non renewable natural resources✓ci because they can not be replenished✓cr.Rocks are composed of minerals like iron,copper,aluminium and calcium✓cp carbonate✓cp | Stone quarrying leads to land reclamation✓i through digging of holes which are breeding places for snakes✓h.This can prevented by refilling the holes✓m  Duringstone quarrying, quarry residues✓i are washedaway by erosion to streams and rivers hence waterpollution✓h and this can be mitigated by using strictlaws on proper disposal of the residues. ✓m  dust particles and toxicgases generated from the quarrying process pollutesthe air and may cause respiratory disorders. This can be mitigated by enforcing of strict laws and treating toxic gases before release.  During stone quarrying, water cycle✓i is disrupted through lowering the water table hence drying up of ✓h wells. This can be mitigated by using strict laws✓m. | Rocks are used for construction,aggregates are mixed with cement ,water and sand to make concrete for construction✓✓ |
| **Crop husbandry** | Water✓ce is a renewable✓ci natural resource because it can be replenished✓cr.Water is composed of oxygen and hydrogen✓cp | Crop husbandry involves the application of fertilizers✓i in the garden,once these fertilizers are eroded into water bodies,they pollute the water✓h hence making it unsafe for use.This can be prevented by application organic manure✓m | Water bodies provide water for irrigation✓bi that cools crops and makes them to grow healthy and hence boost food production✓be.  Water bodies provide water for drinking; this helps to cool our bodies and helps to dissolve the food we eat.  Generates hydroelectric power; ✓bi fast moving water runs turbines that converts mechanical energy to electrical energy. ✓be |
| **Deforestation** | Air✓ce and trees✓ce are renewable ✓ci natural resources because they can be replenished✓cr.Air is composed of oxygen✓cp,carbondioxide,  nitrogen where trees are composed of carbon,hydrogen,  oxygen and magnesium✓cp | when trees are cut down**,** water cycle is disrupted✓ihencelittle rainfallreceived✓h,this can be mitigated by planting trees to absorb carbondioxide from the tmosphere✓m  when trees are cut down**,** carbondioxide accumulatesin the atmosphere which leads to global temperature rise hence reduced rainfallformation orswamps are drained.This can be mitigated by planting trees to absorb carbondioxide | Trees from forests are used as fuel✓bi since they are burn to release heat energy which can be used for cooking. ✓be  Trees provide us with oxygen for respiration; during photosynthesis, oxygen is released as a bi-product and can be used for respiration. |
| **Industrialization** | Air✓ce and water ✓ce are renewable✓ci natural resources because they can be replenished✓cr.Air is composed of oxygen✓cp,carbondioxide,  nitrogen where as water is composed of hydrogen and oxygen ✓cp |  | Air facilitates respiration ✓biwhere food is broken down to release energy which facilitates food activities✓be  Air facilitates photosynthesis ✓bi where carbondioxide from the air combines with water in the presence of sunlight to make food✓be |
|  | **Ci;category identified**  **Ce;example of the category**  **Cr;reason for the category**  **Cp;composition of the natural** | I;impact of the human activity  H;how it occurs  M;mitigation | Bi;benefit identified  Be ;benefit explained |