

Technology for utilization of wastelands and weeds

Q. 1 Give short answer

(10)

(Pl. attempt a-g in alphabetical order ONLY)

(a) Which of the following is not an important factor for Gully Initiation? (1)

- (i) Rainfall; (ii) Landscape; (iii) Soil texture; (iv) Soil organism; (v) None of the above

(b) Which of following get classified under the category "Land with dense or Open scrub"? (1)

- (i) Chemically degraded lands; (ii) Degraded pasture lands; (iii) Shallow and skeletal soils; (iv) Waterlogged lands; (v) Both (i) and (ii); (vi) Both (i) and (iii)

(c) The first wasteland atlas released in year 2000 hadwasteland categories which together covered% area of the country. (2)

(d) Name the first wasteland related project that considered data from different seasons during monitoring-(1)

(e) Three distinguishing characteristics for moderately saline/alkali land and strongly saline/alkali land-(3)

(f) (d) Sea-buck thorn could be useful for reclamation of ----- (1)

- (ii) Water logged areas (ii) Cold Deserts (iii) Banjar lands (iv) None of the above

(g) In MNREGA, preparation of annual plans is done by..... (1)

- (i) Gram Panchayat (ii) District Panchayat (iii) Block Panchayat (iv) Central Government

Q.2 In context with MGNAREGA define the following terms and functions (2)

(i) MPR

(ii) GRS *gum najga sunk*

(iii) VMC

(iv) PIN *gum. sunk*

Q.3 Based on the paper discussed in class about Poverty-wasteland linkages, what correlations & salient conclusions can be drawn and how would these guide towards policy framing. (4)

Q.4 Based on Sameeksha, list important positive trends and constraints (at least 4 each) and support it with data generated from research studies. (4)