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Grade 11 Geography Cycle test 2 March 2016.

Q1 Basic concepts 24

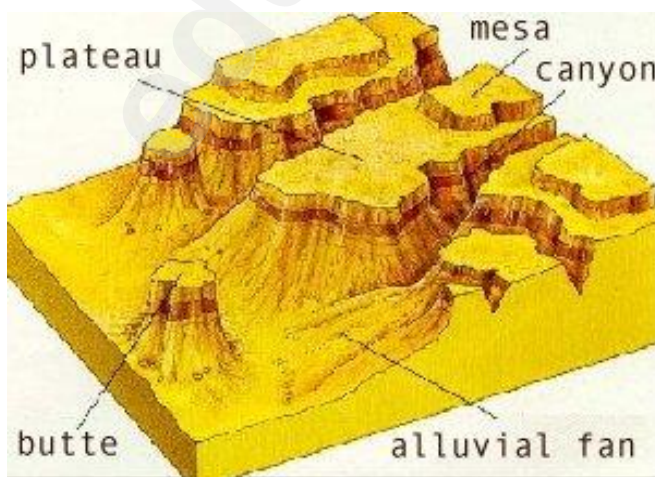
1. B
2. D
3. F
4. G
5. L
6. H
7. I
8. C
9. J
10. A
11. E
12. K

Q2: Horizontal strata.

2.1 draw---

[6]

Plateau – dissection – mesa – butte etc.



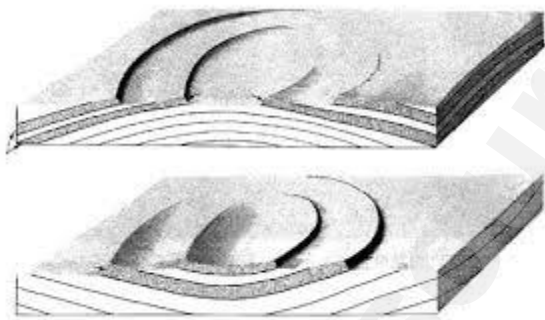
2.2.1 Butte [2]

2.2.2 conical hill after the rock cap has been eroded away. [2]

Q3: Inclined strata.

3.1 cuesta basins and domes [6]

Something along these lines!



3.2 harder rock erodes slower resulting in relief feature, ridges, while softer rock erodes faster resulting in the valleys [2]

3.3 positive : fertile valleys, settlement options in valleys, water and dams concepts

Negative: hinders transport – cost and distance, steeper slopes unsafe [6]

Q4: Slope elements.

4.1 a) [4]

A - crest

B – free face

C – talus /scree

D – pediment

b) [6]

A – soil creep

B – rock fall

C – soil creep, rill and gulley erosion

4.2 fastest wet = mudflow [4]

Fastest dry = rockslide / avalanche

4.3 rockslide is activated by gravity overcoming the forces of friction giving angle of repose [4]

Mudflow is activated by water acting as a lubricant AND the momentum of the flowing water

Q5: case study – slope failure.

5.1 heavy rainfall, slope instability aggravated by deforestation. [4]

5.2 deaths 388 – estimated [4]

Submerged villages and displacement of people etc.

5.3 relocation of those at risk [6]

Educating and training regarding farming and building practices

Engineering solution