

SECTION - 5

Q2 Characteristics of Stone! :-

(1) Appearance :- For face work it should have fine, compact texture and clear colour, likely to faded out in due to course.

(2) Structure :- A broken stone hat be dull in appearance and should have uniform texture.

(3) strength :- A stone should be strong and durable to withstand and disintegrating action of weather.

(4) weight :- It is an indication of the porosity and density. For suitability of structure such as dams, retaining walls etc. heavier stone is used. and for interior lighter is used.

(5) Hardness \rightarrow toughness :- It should be hard \rightarrow tough because it is used in floor and heavy structure in building.

(6) Specific Gravity :- The specific gravity of most of the stone lies between 2.3 to 2.8.

7. Porosity and Absorption:- Porosity depends on the mineral constituents as the absorbed water freezes, expands, and causes cracking.

8. Seasoning: The stone should be well seasoned.

9. Weathering: The resistance of stone against the wear and tear due to natural agencies should be high.

10. Workability: Stone should be workable so that cutting, dressing and bringing it out in the required shape and size may not be uneconomical.

i) Free Resistance:- Stone should be free from calcium carbonate oxides of iron, and mineral having different coefficient of thermal expansion.

Name of various type of building Stone :-

1. Gneiss
2. Trap & basalt
3. Serpentine
4. Syenite
5. Sandstone
6. Lime stone
7. Kankar
8. Moarlam
9. Gneiss
10. Latolite
11. Marble
12. slate.