

General Engineering (Civil & Structural) Paper 1 (2020-2021) Shift 2 (Memory Based)

- What is the chemical name of alum?
- Height of upper hopper and bottom hopper in compaction factor test
- What is the Reynold's no for a laminar flow in a pipe?
- What is the maximum limit of the flakiness index in aggregate?
- What is the maximum limit of stripping value of bitumen?
- Duty = 400 ha/cumecs, Base period = 100 days, Delta =?
- For In Deep Beams, what is the Eff. Length upon overall depth ratio.
- Expansion joints is measured in _____.
- What is the Deflection of a cantilever beam at the free end subject to point load?
- What is the Deflection of a cantilever beam subjected to UDL?
- What is the slenderness ratio of compression member subjected to dead load and Live Load?
- Give an example of Sedimentary rock.
- What is the maximum permission limit of TDS in water?
- Calculate discharge for a rectangular channel, $C= 50$, $s= 1/900$, $b=2$ and $y=4$.
- True Sp. Gravity = 2.7, Mass Sp. Gravity = 2.4. What will be the Void Ratio?
- Dead Load = 20 KN & Live Load = 12 KN. What will be the design load after applying partial safety factor?
- Width of road = 5m
- Given WCB = $336^\circ 40'$. Convert in RB?

- What is the correct order of map study, preliminary survey , reconnaissance survey?
- For a 30 m chain measured value =450 m, short value 0.2 links, calculate the true value of line measured
- What is the name given to the condition when the canal runs above the drainage levels?
- What is the slenderness ratio for a tension member?
- Fineness of cement is measured by which method.
- What is the water absorption of class A tiles?
- What is the range of alumina in bricks?
- What is the unit weight of glacial soil?
- Which soil is classified as soil of $I_p = 21\%$?
- What is felled tree timber called?
- What is the minimum and maximum percentage of reinforcement in a column?
- Definition of Limit state of collapse.