

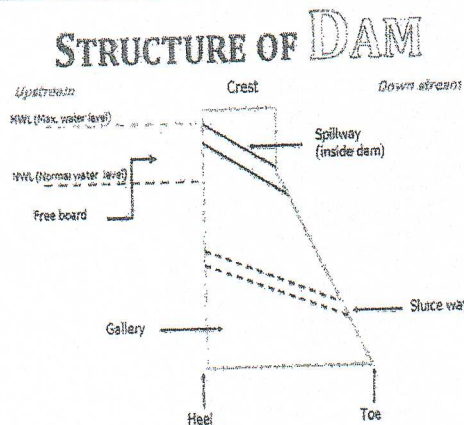
Technical English Exam

**Activity I: (10 pts)** Say if the following sentences are TRUE or FALSE.

- 1). River is the artificial channel.....**F**....
- 2). Open Channel: A channel having cover at the top ...**F**....
- 3). Prismatic Channel: A channel with constant bed slope and cross-section along its length....**T**....
- 4). Depth of Flow: It is the horizontal distance of the lowest point of a channel section from the free surface...**F**....
- 5). Top Width: It is the width of channel section at the free surface....**T**....
- 6). Wetted Area: It is the cross-sectional area of the flow section of channel.....**T**....
- 7). In uniform flow the channel bed, water surface and energy line are parallel to one another....**T**....
- 8). Froude No. ( $Fr$ ). It is ratio of inertial force to pressure force of flowing fluid.....**F**....
- 9). The basic shape of rigid dam is rectangular.....**F**....
- 10). Buttress Dam: is Non-Rigid Dam.....**F**....
- 11). Earthen dams are made from concrete.....**F**....
- 12). Arch dams are cheaper dams, because they give good strength with less material required.....**T**....
- 13). Spillways: are used to reduce the amount of seepage water...**F**....
- 14). Upstream side Rock fill dams are reinforced concrete membrane to make it water tight.....**T**....
- 15). Outlet Towers: are found out reservoirs.....**F**....
- 16). Water table: is the top of the saturated zone ...**T**....
- 17). Where the water table is above the ground you will find streams and lacks.....**T**....
- 18). The area above the water table is the saturated zone .....**F**....
- 19). Sand and Gravel are very permeable .....**T**....
- 20). The artesian well without need for pumping....**T**....

**Activity II: (2,5 pts)**

Match words with their definition

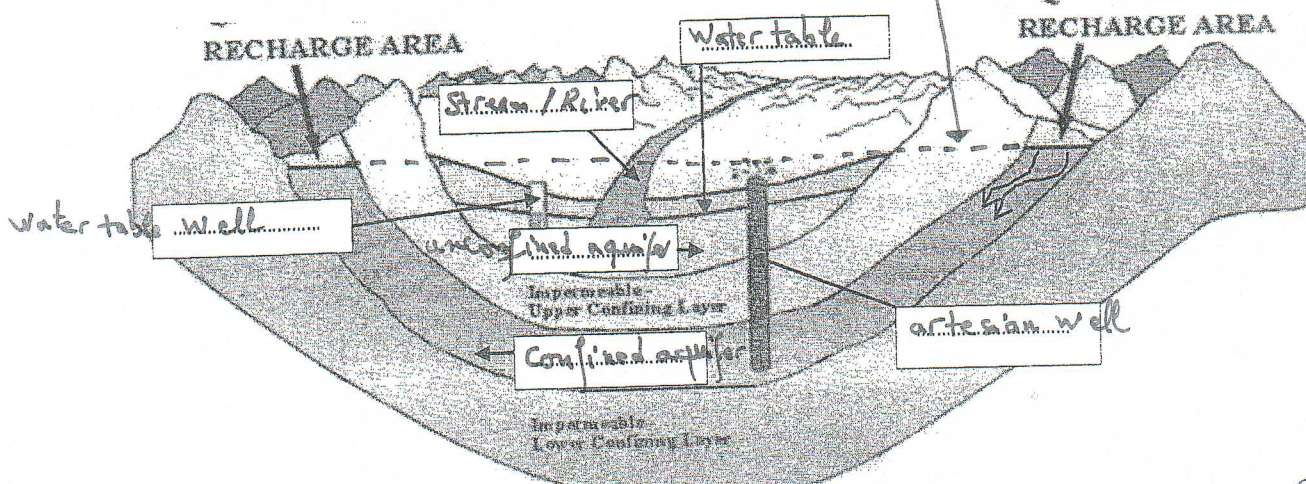


Different parts & terminologies of Dam

Words	Definitions
<b>Crest</b>	The top of the dam structure
<b>Toe</b>	Portion of structure in contact with ground or river-bed at downstream side
<b>Sluice way</b>	Opening in the structure near the base, provided to clear the silt accumulation in the reservoir
<b>Free board</b>	The vertical distance between a stated water level in reservoir and dam top.
<b>Heel</b>	Portion of structure in contact with ground or river-bed at upstream side

**Activity III: (7,5 pts)**

Complete the empty boxes and draw the potentiometric line



Good luck