VAISHNAVI	NSTITUTE OF GY & SCINCE	VAISHNAVI INSTITUTE OF TECHNOLOGY &SCIENCE DEPARMENT NAME : CIVIL ENGINEERING LIST OF ASSIGNMENTS	FORM NO	VITS/A/16
BRANCH	CIVIL		REV.NO	00
SEMESTER	VII TH		REV.DT	
NAME OF THE	FACULTY:	VENKTESHVAR SINGH	1	1
SUBJECT /COD	F·	RCC-2/(CE-701)		

Q.1 What is silos and bunkers.

Q.2 Derived the horizontal and vertical pressure by Janssen's the

Q.3 A silo with internal diameter 5.5 m, height of cylindrical portion 18 m and central opening with 0.5m is to be built to store wheat. Design the silo using m20 grade concrete and fe415 steel.

Unit weight of wheat=8.5kn/m^3

Angle of internal friction=28

Angle of wall friction=.70Q while filling =.60Qwhile emptying

Pressure ratio =k=0.5 while filling

Q.4.Design side wall and hopper bottom of a rectangular bunker of capacity300kn stored coal using m20 concrete and fe415 steel.

Unit weight of coal=8kn/m^3

Angle of repose of coal Q=25