

IES GROUP OF INSTITUTION BHOPALB.E. (6th SEM) Assignment -1*BE sixth Semester TOS-II (CE-601)***Date of issued: 06/01/2014****Date of Submission: 27/01/2014**

Q.1	Discuss about the continuous beam in following cases: a) Influence line for bending moment. b) Influence line for shear force	
Q.2	What is Muller Breslau theorem?	
Q.3	Explain Kani's theorem?	
Q.4	A beam of rectangular cross-section bxd is subjected to a bending moment 0.9Mp. Find out the depth of the elastic core.?	

IES GROUP OF INSTITUTION BHOPALB.E. (6th SEM) Assignment -1*BE sixth Semester (CE-602)***Date of issued: 06/01/2014****Date of Submission: 27/01/2014**

1.	Explain following. (i) Rainfall excess & hydrograph. (ii) Unit hydrograph. (iii) Empirical formulae for peak flood. (iv) Mass curve for rainfall.	
2.	Explain following. (i) Sprinkler irrigation. (ii) Duty-Delta in irrigation. (iii) Crop ratio & crop based period.	
3.	Explain following. (i) Water logging. (ii) Darcy law (iii) Ground water recharge (iv) Leaching & reclamation land from water logging.	
4.	The ordinates of a 2 hour unit Hydrograph are given below: Time in hour- 0 2 4 6 8 10 12 14 16 18 20 Ordinate cumec- 0 10 25 20 16 12 9 7 5 3 0	
5.	Write detailed note on method of irrigation...	

IES GROUP OF INSTITUTION BHOPAL

B.E. (6th SEM) Assignment -1

BE sixth Semester EE-I (CE-603)

Date of issued: 06/01/2014

Date of Submission: 27/01/2014

Q.1	Write short note on the location and height of the distribution reservoirs.	
Q.2	Give the introduction and arrangement of water supply scheme in rural areas?	
Q.3	Explain centrifugal pump with advantage and disadvantage?	
Q.4	Explain the various methods of layout of distribution pipes?	
Q.5	Briefly discuss the physical test of water?	

IES GROUP OF INSTITUTION BHOPAL

B.E. (6th SEM) Assignment -1

BE sixth Semester GEO. TECH.-I ((CE-604)

Date of issued: 06/01/2014

Date of Submission: 27/01/2014

Q.1	Describe in brief the three phase system.	
Q.2	Give the variable-head permeability test?	
Q.3	What are characteristics of flow net? How can you determine the flow net by Laplace's equation	
Q.4	Explain the various methods of layout of distribution pipes explain the unconfined compression test with its merits and demerits?	
Q.5	What is the use of N-Curve & Rectangular plot?	

IES GROUP OF INSTITUTION BHOPAL

B.E. (6th SEM) Assignment -1

BE sixth Semester STEEL-I I (CE-605)

Date of issued: 06/01/2014

Date of Submission: 27/01/2014

Q.1	Design a gussel base for a column ISHB-350 @ 661.2N/m carrying an axial factored of 2000kN.The base rests on M-20 grade concrete. Use Fe 410 grade steel.	
Q.2	Explain clearly web bucking & web crippling in a beam ?	
Q.3	Design a discontinuous sturt of 3.0 m length to carry a factored force 200kN. Use double angles on both side of gusset by welding.	
Q.4	A tension member is to be welded to a gusset plate of 12mm thickness. The width of the member is 80mm and thickness is 10mm. design the fillet weld for lap joints to transmit a load of 200kN.	
Q.5	What are the main component of a industrial building	