ASSIGNMENT-1
BRANCH: CE
SEM: 6TH
LAST DATE OF SUBMISSION: 12/02/2015

IES GROUP OF INSTITUTION BHOPAL
Civil Engineering Branch
BE sixth Semester (ASSIGNMENT-I)
TOS-II (CE-601)

DATE OF ASSIGN: 27/01/2015　　　　　　　　　*DATE OF SUBMISSION:12/02/2015*

1.	Discuss about the continuous beam in following cases: A) Influence line for bending moment. B) Influence line for shear force.
2.	What is Muller Breslau theorem?
3.	Explain Kani's theorem?
4.	A beam of rectangular cross-section bxd is subjected to a bending moment 0.9Mp.Find out the depth of the elastic core.
5.	Determine the support moment and draw BMD for the continuous beam shown in fig. by Kani's method.

IES GROUP OF INSTITUTION BHOPAL
Civil Engineering Branch
BE Sixth Semester (ASSIGNMENT-I)

Date of Assign: 27/01/2015　　　　　　　　　*Date of Submission: 12/02/2015*

1.	Explain following. (i)Rainfall excess & hydrograph. (ii)Unit hydrograph. (iii)Empirical formulae for peak flood. (iv)Mass curve for rainfall.	**50 WORDS**
2.	Explain following. (i)Sprinkler irrigation. (ii)Duty-Delta in irrigation. (iii)Crop ratio & crop based period.	**100 WORDS**
3.	Explain following. (i)Water logging. (ii)Darcy law (iii)Ground water recharge (iv)Leaching & reclamation land from water logging.	**100 WORDS**
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	**400 WORDS**
5.	Write detailed note on method of irrigation…	**400 WORDS**

6.	Explain the different types of precipitation with examples. Can we use Radar as an aid in the measurement of rain fall and how?	**400 WORDS**

IES GROUP OF INSTITUTION BHOPAL
Civil Engineering Branch
BE Sixth Semester (ASSIGNMENT-I)
EE-I (CE-603)

Date of Assign: 27/01/2015   *Date of Submission:12/02/2015*

1.	What do you mean by water demand?	50 words
2.	What are the surface water sources.	50 words
3.	Explain centrifugal pump with advantage and disadvantage?	100words
4.	Explain the varios methods of layout of distribution pipes?	100words
5.	Briefly discuss the physical test of water?	400 words
	Write short note on the location and height of the distribution reservoirs.?	400 words
	Give the introduction and arrangement of water supply scheme in rural areas?	400 words

IES COLLEGE OF TECHNOLOGY, BHOPAL
B.E. (6th SEM) Assignment -1
GEOTECHNICAL ENGG-1 (CE-604)

Date of Assign:**27/01/2015**   **Date of Submission:12/02/2015**

Q.1	What do you mean by soil? How soil formation is take palace?	
Q.2	Define the term Leaching?	
Q.3	Define the following term residual and alluvial soils?	
Q.4	Give the definition of the following index properties and soil parameter used in soil mechanics?	
Q.5	GIVES the test procedure for liquid limit, plastic limit, shrinkage limit and define term also?	

IES GROUP OF INSTITUTION BHOPAL
Civil Engineering Branch
BE Sixth Semester (ASSIGNMENT-I)
STEEL-I I(CE-605)

DATE OF ASSIGN: 27/01/2015   *DATE OF SUBMISSION:12/02/2015*

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.	**400 words**
2.	Explain clearly web bucking & web crippling in a beam ?	**100 words**
3.	Design a discontinuous strut of 3.0 m length to carry a factored force 200kN. Use double angles on both side of gusset by welding.	**400 words**
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.	**400 words**
5.	What are the main component of a industrial building	**100 words**