

BE - VIIth Semester Examination, 2018

Subject: Env. Engg.

Paper: CE-701

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Time : 3 Hours

Maximum Marks -60

- Q.1. (a) Define the ground and surface water resources. 6
 (b) Define water requirement for various uses. 6

Or

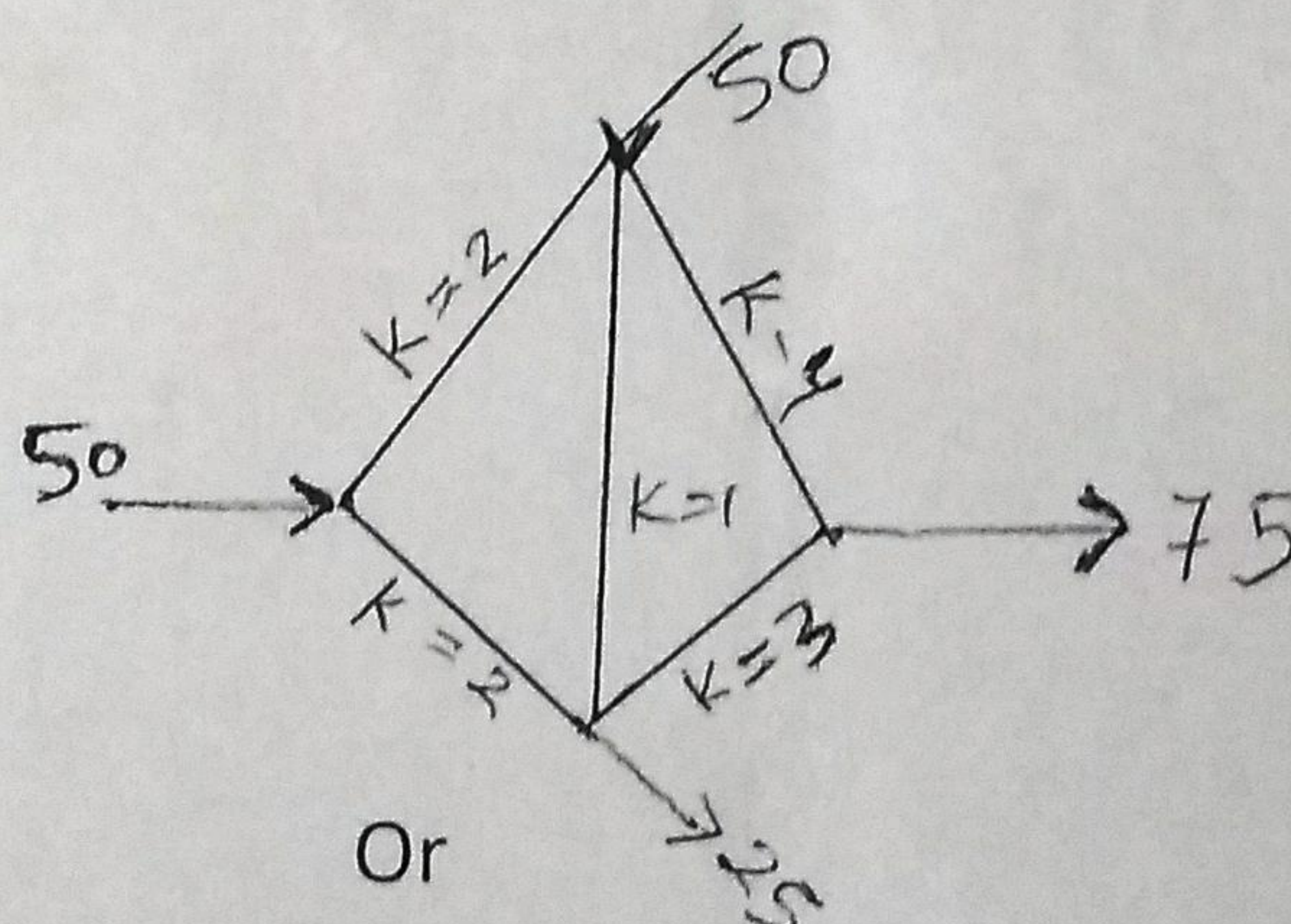
- (a) Write short note on forecast of population. 6
 (b) What do you understand by fluctuation in water Demand. 6
- Q.2. (a) Describe the Bacteriological and chemical analysis of water. 6

Or

- (a) Describe the water standards in detail for different uses. 6
 (b) Describe the water borne diseases. 6
- Q.3. (a) Explain the miscellaneous methods of water treatment in detail. 6
 (b) Explain the modern trends in sedimentation and filtration. 6

Or

- (a) Describe the filtration and Disinfection. 6
 (b) Describe the coagulation and anaerobic treatment process. 6
- Q.4. Determine the distribution of flow in the pipe network as shown in fig. By using Hardy-Cross method. 12



- (a) Explain briefly the general methods of distribution of water employed in municipal water supply schemes. 6
 (b) Write short note on causes of water wastes, its detection and prevention. 6
- Q.5. (a) Explain financing and management of water supply project. 6
 (b) Describe the different sanitary appliance and their operation with neat sketches. 6

Or

Write short note on any three of the following :

- (i) Rural water supply schemes (ii) Building drainage system
 (iii) Water pollution control (iv) Water carriage system

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