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**University Examinations 2014/2015**

**THIRD YEAR, SPECIAL /SUPPLEMENTARY EXAMINATION FOR BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**HPP 3405: CONSERVANCY**

**DATE: OCTOBER, 2015 TIME:** $2 $**HOURS**

**INSTRUCTIONS:** *Answer questions* ***one*** *question and any other* ***two*** *questions*

**QUESTION ONE – (30 MARKS)**

1. State five diseases that can be transmitted to human beings through improper handling and disposal of human excreta. (5 Marks)
2. Explain the importance/ reasons for appropriate disposal of human excreta. (5 Marks)
3. Explain the general difficulties associated with design & construction of pit latrines.

(6 Marks)

1. State one semi-dry conservancy system and briefly explain its operation mechanisms.

 (8 Marks)

1. In response to disaster / emergencies, prevention of indiscriminate open defecation and containing wastes is critical to reduce disease transmission. Highlight any two methods that you will advocate for as a sanitation solution in such an emergency response setting. (6 Marks)

**QUESTION TWO – (20 MARKS)**

Lack of adequate and appropriate sanitation and hygiene access can be a chronic public health challenge contributing to disease transmission in low and medium income countries. This situation is particularly made worse during environmental disasters and public health emergencies. As a public health worker you have been called upon to give a health talk on appropriate recommendations on appropriate excreta disposal methods during such emergencies. Discuss the recommendations you will give. (20 Marks)

**QUESITON THREE – (20 MARKS)**

Although it is usually best to provide large deep pits for a V.I.P latrine, this may not be possible where rock and ground water lie within one or two meters of the ground surface. A variation of a V.I.P latrine suitable for such situations has two shallow pits side by side under a single superstructure and is referred to as ventilated double pit latrine. Discuss the operation of a ventilated double pit latrine. (20 Marks)

**QUESTION FOUR – (20 MARKS)**

With an aid of a neat sketch, discuss the operation of a pour flash toilet and also explain its advantages and disadvantages. (20 Marks)