

OR

- b) Explain in detail about the method of pre-loading. How do vertical drains improve the functioning of pre-loading technique? *13,K2,CO3*
14. a) What is the role of geotextile in protecting soil from contamination? Describe in detail. *13,K2,CO4*

OR

- b) Explain in detail the various application of reinforced earth for ground improvement with neat sketch. *13,K2,CO4*
15. a) Describe in detail the various applications of grouting. *13,K2,CO5*

OR

- b) Describe in detail about the various methods of grouting with neat sketches. *13,K2,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Explain in detail about stabilization of soil using lime and cement. *15,K2,CO6*

OR

- b) Explain in detail how an expansive soil is stabilized. *15,K2,CO6*