

50298



12. a) Explain briefly the construction and maintenance of railway track. (16)

(OR)

b) Discuss the importance of track drainage. How this achieved ? Explain in detail. (16)

13. a) i) What are the characteristics of a good airport layout ? (8)

ii) Explain the airport master plan. (8)

(OR)

b) List out the factors to be considered for the site selection of a commercial airport. (16)

14. a) The length of runway at standard condition is 2500m. Determine the required runway length at an airport site with the following particulars. (16)

Mean maximum daily temperature = 44.5°C

Mean average daily temperature = 28.3°C

Elevation of site above MSL = 350 m

Effective gradient of runway = 0.21%

(OR)

b) Briefly explain the night time aids provided at airports. (16)

15. a) i) How harbours are classified ? Explain using examples of Indian harbours. (8)

ii) What is the function of a dry dock ? Explain the working of a floating dry dock. (8)

(OR)

b) Why shore protection is necessary ? Explain the different shore protection works generally carried out. (16)