

gate.

- b)** Find the design length of runway required. If the length under standard atmospheric condition is 1800 m the actual elevation of the site is 1000 m above MSL. & the airport reference temp. is 20° C. Maximum effective Gradient is 0.5%. (7)

Q-5 **Attempt all questions** (14)

- a)** Enlist different types of breakwater and describe any one with neat sketch. (7)
b) What is the function of taxiway in airports? Draw cross section of taxiway showing all components. (7)

Q-6 **Attempt all questions** (14)

- a)** List various cargo handling equipment's and explain any two (7)
b) What do you understand by terminal building? What are the facilities provided in terminal building? (7)

Q-7 **Attempt all questions** (14)

- a)** What is the purpose of the navigational aids? Explain any one type of navigational aids. (7)
b) What do you understand by mass-haul curve? What information can be obtained from it? Explain the procedure of working with this curve. (7)

Q-8 **Attempt all questions** (14)

- a)** List different types of dredgers. Explain dipper dredger with neat sketch (7)
b) Write short notes on: i) Runway lighting ii) Taxiway lighting (7)

