OR

(a)

Write in brief about the various stress calculations to

be considered for cement concrete pavement design.

Explain the following terms: (i) Modulus of sub grade reaction (ii) Radius of relative stiffness (iii) Radius of resisting section What is mechanical stabilization of ground? Discuss Ш. the different modes of mechanical stabilization. What is use of street lighting. Discuss various street lighting systems. OR List the various causes of failure of flexible pavement. (a) What are the advantages and disadvantages of traffic signals. 10 List down the factors which govern the selection of site for airports. 10 Write in short about Runways & Taxi ways 10 OR What is turning radius of aircraft and how it affect the (a) runway and taxiway planning." www.rgpvonline.in 10 What do you understand by terminal facilities (b) 10 Write in brief about - Taxiway lighting and approach (a) lighting. 10 Write short note (b) 10 (i) Zoning regulations (ii) Precision approach radar OR By drawing neat figure show various runway markings. Discuss the concept and use of rotating beacon light in airports. www.rgpvonline.in CE - 501

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