



REGISTRATION NUMBER

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SRINIX COLLEGE OF ENGINEERING

2ND INTERNAL EXAMINATION-2018-19

Subject-ATE

Semester-6TH

Branch-CE

Full Mark-50

Time-2.00Hrs

ANSWER ALL QUESTIONS (PART-A)

[2X10=20]

1. What do you mean by wind rose?
2. What are the assumed conditions of length of runway?
3. Define normal landing and normal take off case.
4. What is airport capacity?
5. What is runway capacity? What are the factors affecting runway capacity?
6. Illustrate the different configurations of runway with neat sketches.
7. What is the use of holding apron in an airport?
8. What are the functions of jetties?
9. What are the requirements of a commercial harbor?
10. What are the difference between tidal basin and wet dock?

ANSWER ANY THREE QUESTIONS (PART-B)

[6X3=18]

1. Describe the characteristics of an ideal aircraft.
2. What are the factors affecting the selection of suitable site for a major airport?
3. What are the functions of a typical dock? Draw a neat sketch of a floating dock.
4. Explain with neat sketches how mound breakwaters are protected from wave action.

ANSWER ANY ONE QUESTION (PART-C)

[12X1=12]

1. Why marking of airport is essential? Briefly explain different groups of airport markings with neat sketches.
2. Describe principal forces which act on a graving dock. Explain the basic information needed for designing of a breakwater.

