

RPSC-A.En

Main Examinations

CIVIL ENGINEERING

Mains Practice Workbook

PAPER - I

Soil, Foundation Engg & Well Hydraulics

Booklet

8

Key Features: Includes

- ☞ **Include 2, 5 & 20 Marks Practice Problems**
- ☞ **Cover RPSC-AE Latest Syllabus & Pattern**
- ☞ **Workbook are design according to RPSC Pattern**

SOIL MECHANICS & FOUNDATION

TABLE OF CONTENT

S.No.	Topic	Page No.
1.	Soil Mechanics & Foundation	1 - 116

— **SOIL** —

SOIL MECHANICS & FOUNDATION

PART - A

Note : Each questions carries **2 marks**. Answer should not exceed **15 words**.

1. Derive the relationship between voids ratio and porosity.

2. What is air content?

3. What would be void ratio of fully saturated soil whose water content is 40% and specific gravity is 2.7?

4. A soil specimen has water content of 10 percent and a wet density of 20 kN/m^3 . If the specific gravity of solids is 2.7, determine the dry unit weight and void ratio.
