

**SYLLABUS FOR COMPETITIVE EXAMINATION OF ASSISTANT  
ENGINEERS (CIVIL) BPS-17 IN THE PUBLIC HEALTH  
ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH**

**PAPER – I – A**  
**COMPULSORY (GENERAL) (TOTAL MARKS 300)**

- |    |                                       |           |
|----|---------------------------------------|-----------|
| 1. | English (including Essay and Précis)  | 100 Marks |
| 2. | General Knowledge and current affairs | 100 Marks |
| 3. | Islamiat and Pakistan Studies         | 100 Marks |

**PAPER – I – B**  
**COMPULSORY (PROFESSIONAL) (TOTAL MARKS 200)**

- |    |   |           |
|----|---|-----------|
| 1. | Hydraulics and Fluid Mechanics Techniques | 100 Marks |
| 2. | Water Supply and Sanitary Engineering     | 100 Marks |

**PAPER – II**  
**OPTIONAL (TOTAL MARKS 300)**

**Three (03) subjects are to be selected from the following Seven (07) Optional Subjects. All optional subjects carry equal marks.**

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|----|--|-----------|
| 1. | Surveying  | 100 Marks |
| 2. | Theory of structures and Strength of materials                               | 100 Marks |
| 3. | Concrete Technology and Structure design                                     | 100 Marks |
| 4. | Soil Mechanic and foundation Engineering                                     | 100 Marks |
| 5. | Applied Mathematics  | 100 Marks |
| 6. | Theory of Structures & Steel Structures                                      | 100 Marks |
| 7. | Sanitary Engineering & Supply in combination with<br>Group-II of Part-I only | 100 Marks |

**PAPER – III**  
**COMPULSORY (TOTAL MARKS 200)**

- |           |           |
|-----------|-----------|
| Viva-Voce | 200 Marks |
|-----------|-----------|