

**SYLLABUS FOR COMPETITIVE EXAMINATION OF ASSISTANT ENGINEERS (EDUCATION WORKS) BPS-17 IN THE WORKS & SERVICES 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. | Building Construction Techniques | 100 Marks |
| 2. | Roads and Building 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 Group-II of Part-I only | 100 Marks |

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

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