

## **PBDWSS Junior Engineer Syllabus 2018**

### **PBDWSS JE General Knowledge Syllabus 2018**

- Sports
- Famous Days & Dates
- Tourism
- Artists
- Famous Books & Authors
- Geography
- Indian History
- Inventions and Discoveries
- Indian Parliament
- Environmental Issues
- Indian Politics
- Rivers, Lakes and Seas
- Biology
- General Science
- Current Affairs
- Literature
- Civics
- Heritage
- Famous Places in India
- Indian Economy
- Countries and Capitals

### **PBDWSS JE Computer Basics Syllabus 2018**

- Operating Systems
- Computer Basics
- MS Word
- MS Office
- MS Excel

- MS-DOS
- MS PowerPoint
- The hardware of Computer
- Windows
- Internet

### **PBDWSS JE Reasoning Syllabus 2018**

- Directions
- Statements & Arguments
- Analogy
- Decision Making
- Arithmetical Reasoning
- Blood Relations
- Cubes and Dice
- Data Interpretation
- Non-Verbal Series
- Number Series
- Coding-Decoding
- Mirror Images
- Alphabet Series
- Statements & Conclusions
- Embedded Figures
- Clocks & Calendars
- Syllogism
- Number Ranking

### **PBDWSS JE English Syllabus 2018**

- Sentence Arrangement
- Fill in the blanks
- Sentence Improvement
- Active Voice and Passive Voice

- Synonyms
- Para Completion
- Idioms and Phrases
- Spotting Errors
- Antonyms
- Error Correction (Phrase in Bold)
- Substitution
- Prepositions
- Passage Completion
- Joining Sentences
- Error Correction (Underlined Part)
- Sentence Completion

### **PBDWSS JE Punjabi Syllabus 2018**

- Vocabulary
- Tenses
- Grammar
- Synonyms
- Antonyms
- Transformation of Sentences
- Comprehension
- Fill in the Blanks
- Idioms & Phrases
- Usage of Words

### **PBDWSS JE Civil Syllabus 2018**

#### **Irrigation Engineering**

- Sprinkler Irrigation
- Soils and Crops
- Tubewell Irrigation

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- Introduction to irrigation
- Waterlogging
- Drip Irrigation
- Design of Irrigation Canals and Irrigation Outlets
- Water requirement of Crops
- Method of Irrigation

## **Structural Analysis and Design**

- Elasticity
- Bending and shear stress in circular
- The concept of bending moment and shear force
- Simple stresses and strains
- Hooke's Law
- Moment area theorem
- T and L sections
- Moduli of Elasticity and Rigidity

## **Surveying**

- Perpendicular offset
- Prismatic compass
- Surveyor's compass
- chain surveying
- Rise & Fall method
- various corrections in levelling
- Meridians & bearings
- Linear measurements with a tape
- Magnetic declination levelling
- Oblique offset
- A height of Instrument method
- Compass surveying

## **Fluid Mechanics, and Water Supply Engineering**

- Vapour pressure
- Adhesion
- Pressure
- Surface tension
- Capillarity and compressibility
- Specific weight
- Specific gravity
- Cohesion
- Pascal's Law and its applications
- Total pressure
- Discharge and continuity equation
- Bernoulli's theorem
- Viscosity
- The intensity of pressure
- Atmospheric
- Uniform and non-uniform flow

## **Punjab JE Mechanical Syllabus 2018**

- Theory of Machines and Machine Design
- Engineering Mechanics and Strength of Materials
- Production Engineering
- Thermal Engineering
- Fluid Mechanics & Machinery