

## WBPSA Instructor Exam Pattern

Sl.No	Subject Name	Type of Exam
1.	General Intelligence	Objective Type
2.	Numerical Aptitude	
3.	General English	
4.	General Awareness	
5.	Reasoning	
6.	Relevant disciplines	

## WBPSA Instructor Syllabus 2020-Topics Wise

### Reasoning

1. Statement – Conclusions.
2. Analogy.
3. Eligibility Test.
4. Alphabet Test.
5. Logic.
6. Alpha-Numeric Sequence Puzzle.
7. Number, Ranking & Time Sequence.
8. Puzzle Test.
9. Mathematical Operations.
10. Statement – Arguments.
11. Logical Sequence of Words.
12. Arithmetical Reasoning.

## **General Knowledge**

1. Economic Scene.
2. General Polity including Indian Constitution.
3. Sports & Games.
4. States & Capitals.
5. Countries & Currencies.
6. Current GK.'
7. Countries and Capitals.
8. Sports.
9. Art & Culture.
10. Scientific Research.
11. Culture.
12. Geography.
13. History.
14. Daily News.
15. Current Events.
16. Famous Personalities.
17. National & International affairs.

## **English**

- Antonyms.
- Idioms & Phrases.
- Unseen Passages.
- Adjectives.
- Sentence Rearrangement.
- Synonyms
- Grammar.
- Subject-Verb Agreement.

## **Numerical Aptitude**

- Number Systems.
- Fundamental Arithmetical Operations.
- Percentages.
- Ratio and Time.
- Time and Distance
- The relationship between Numbers.
- Use of Tables and Graphs Mensuration.

- Time and Work.
- Profit and Loss.
- Computation of Whole Numbers.
- Averages.
- Decimals and Fractions.
- Ratio & Proportion.
- Interest & Discount.

## **Relevant Disciplines**

### **Mechanical**

- Theory of Machines
- Vector Calculus
- Manufacturing Analysis
- The Strength of Materials
- Tool Engineering Metrology and Inspection
- Calculus
- Engineering Mechanics
- inventory Control
- Production Planning and Control
- The design of Machine Elements
- Numerical Methods
- Probability & Statistics

### **Electrical**

- Electronics & Drives
- Analog and Digital Electronics
- Power Systems
- Electronics Devices
- Power System Protection
- Switch Gear and Protection etc
- Electrical Instrumentations

## **Electrician**

- Transient and steady-state response of control systems
- Concepts of gain and phase margins
- Digital Electronic Circuits
- Constant-M and Constant-N Nichol's Chart
- Analog Electronic Circuits
- Control Systems
- Broad banding techniques
- Signals and Systems
- Electron Devices and ICs
- Network Theory
- Frequency
- Electromagnetic Theory
- Physical Electronics
- Power amplifiers

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