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## HP PAT Syllabus

HP PAT Syllabus is framed in class 10 Physics, Chemistry, Mathematics, and English. English is common and includes topics related to English Grammar till class 10. It also includes questions on reading comprehension, unseen passage, etc.

### English

- Present perfect vs Simple Past
- Active and Passive
- Avoiding Repetition
- Countable and uncountable
- Comparisons, Conditionals, Connectors
- Modals-Expressing Attitude
- Nominalization
- Non-Finite
- Prepositions
- Relatives
- Reported Speech
- Subject-Verb Agreement
- Articles
- Nouns
- Determiners
- Defecting and Correcting Errors
- Dialogue Completion
- Fill in the blanks with suitable words
- Re-arranging jumble words or phrases
- Future time references
- Present Continuous tense
- Present Perfect Tense
- Simple past vs Past Perfect.

### Physics

In the physics section, questions are framed from class 10 NCERT or equivalent board. Mentioned below is the list of important topics from where questions are asked:

- light– Reflection and Refraction
- Human Eye, Electricity
- Magnetic effect of Electric current and
- Source Of Energy and Environment.

### Chemistry

From the Chemistry subject, 25 questions are asked in the exam having weightage of 50 marks each.

- Structure of Atom
- Metal and Non-metal
- Chemical Reaction and Equations
- Acid Bases and Salts
- Carbon and Its compounds
- Periodic Classification of Elements.

### **Mathematics**

50 questions are asked from the Mathematics subject. Candidates can prepare for the following topics. They can also take the help of reference books such as R.D. for the preparation of such topics.

- Pair of Linear Equation in two variables
- Real Number
- Polynomials
- Quadratic Equation
- Arithmetic Progression
- Triangles
- Co-Ordinate Geometry
- Trigonometry
- Circles
- Construction
- Area related to circles
- Surface Areas and Volumes
- Statistics
- Probability