

5. **AGE**

5.1 **Candidates should not be below 18 years and above 37 years of age as on 01/01/2022.**

5.2 The upper age limit may be relaxed up to 45 years for Punjab Government employees, the employees of its Boards/Corporations/Commissions and Authorities, and all States/Central Government employees.

5.3 The upper age limit is relaxed up to 42 years for Scheduled Castes and Backward Classes of Punjab.

5.4 Ex-servicemen of Punjab Domicile shall be allowed to deduct the period of his service in the Armed Forces of Union from his actual age and if the resultant age does not exceed the maximum age limit prescribed for direct appointment to such a vacancy in the Service Rules concerned by more than three years, he shall be deemed to satisfy the condition regarding age limit.

5.5 The upper age limit is also relaxed up to 42 years for widows, divorcees and certain other categories of women.

5.6 The upper age limit is also relaxed up to 47 years for "Persons with Disability" of Punjab.

Note: Provisions mentioned in Punjab Civil Services (General and Common Conditions of Service) Rules, 1994 amended from time to time may be considered

6. **PATTERN AND SCHEME OF COMPETITIVE EXAMINATION FOR SELECTION**

6.1 **PROCEDURE FOR SELECTION**

The procedure for selection of candidates for the post of Building Inspector (Group-B) in the department of Local Government, Government of Punjab will be as per the following details:-

Subject Matter	No. of Questions	Total Marks
Written Competitive Examination	120	480

The written competitive examination for the post will be scheduled soon.

6.2 **PATTERN OF THE WRITTEN COMPETITIVE EXAMINATION**

The pattern for written competitive examination comprising of 120 questions (@ 4 marks for each question) is as follows:

S..No.	Topic	No. of Questions	Marks (Each Question carries 4 marks)	Type of Questions
1.	Questions from the Subject(Part A of Syllabus)	100	400	MCQs (Multiple Choice Questions)
2.	Questions from General Knowledge & Current Affairs, General Mental Ability, Logical Reasoning and Quantitative Aptitude. (Part B of Syllabus)	20	80	
Total		120	480	

The important points to note:

- I. There will be a JOINT COMPETITIVE EXAMINATION for 157 posts of Building Inspector [131 posts in the Department of Local Government (Municipal Councils/Nagar**

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Panchayats), Government of Punjab, 26 post in the Department of Local Government (Municipal Corporation), Government of Punjab].

- II. *The question paper will be in English language only.*
- III. *Each question carries **4 marks** and for each correct answer, the candidate will get **4 (four) marks**.*
- IV. *There will be **negative marking** (one mark for each question) in the written examination for questions wrongly answered i.e. for each incorrect answer, **1 (one) mark** will be deducted from the total score*
- V. *To answer a question, the candidate has to find, for each question, the correct answer/ best option.*
- VI. *Answer key will be uploaded on the PPSC website (after written examination), and the candidates will be permitted to raise objections (if any). Candidates will be given four days to deliberate before putting up the objections.*
- VII. *Unanswered/unattempted questions will be given no marks. In case, a question is withdrawn, all candidates will be given **four (04) marks** irrespective of the fact whether the question has been attempted or not attempted by the candidate.*

6.3 DURATION OF EXAMINATION

The exam will be of two (02) hours duration.

6.4 SYLLABUS OF THE WRITTEN EXAMINATION

The question paper will be based on the given syllabus from the Subject and General Knowledge, , Logical Reasoning & Mental Ability. (**Annexure-VIII**)

6.5 MODE OF EXAMINATION

The examination is a pen and paper-based, to be answered on the specially designed machine gradable OMR sheet using ball point pen.

6.6 INFORMATION ABOUT EXAM CENTRE

Information about the examination centre(s) will be mentioned on Admit Cards of all candidates. The Public Notice to download the Admit cards will be given on the website of the Commission.

6.7 ELIGIBILITY AND SCRUTINY OF APPLICATION FORMS AND TESTIMONIALS

6.7.1 All candidates who apply for the ibid posts will be treated "provisionally eligible" for appearing in the competitive exam. Acceptance of applications at this stage and allotment of Roll Numbers by PPSC does not indicate acceptance of candidature by the PPSC, since there is no scrutiny of documents before the written exam.

6.7.2 The scrutiny of application forms shall be done after the conduct of the examination. During the process of scrutiny, the application forms and other relevant documents, certificates, etc. of the candidates shall be examined to determine their eligibility **as on 08/07/2022**. Candidates not meeting the eligibility criteria will be rejected after the

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ANNEXURE (VIII)- Syllabus

Part A -Subject Syllabus

1. **History of Architecture:** - Pre Historical Architecture, River Valley Civilizations, Greek Civilization, Roman Civilization, Buddhist Architecture in India, Indo-Aryan Style, Jain Temple, Early Christian Architecture, Construction Methods and General Architectural characteristics of St. Peters, Rome, St. Sophia Church, Main visual and construction vocabulary of Gothic Arch at Notre Dame Paris, and Reims Cathedral, Florence cathedral & MichaelAnglo & Palladio. (E.g. St. Peter's Rome, The Capital Rome & Villa Capra). Islamic Architecture in India, Industrial Revolution. Modern Architecture. Contemporary/Post-Independence Architecture in India, Construction and Architectural styles.
2. **Architectural design:-** Elements, Principles and Objectives of design, Importance of scale in architecture, Human scale and Monumental scale, Role of colour in architecture, Anthropometric Studies. Building types: Residential, Commercial & Institutional, NBC guidelines, Architectural character and style, study of modern and traditional iconic buildings, Interrelationship of form, function and circulation in architectural design, application of computers in architecture, AutoCAD, 3d-studio and 3d max and Building Bye-laws.
3. **Building construction & materials:** - Brick work and stone work, Damp Proof course, Foundations, Doors and windows, Flooring, Roof and roof coverings, Staircases and ramps, Interiors of Buildings, Expansion joints, Form work and steel work, Steel Sections and Roofs, Finishes. Earthquake Resistant Building configuration. Surveying and Levelling. Basic Principles & components of working drawings, Estimation, Specifications, Valuation, Professional Practice, Materials and structural systems, behavioural characteristics of all types of building materials e.g. Mud, timber, bamboo, brick, concrete, steel, glass etc.
4. **Building services:-** Water Supply: Domestic, commercial, industrial and public water supply, System of water supply ,Storage and Distribution of Water, Hot water supply for buildings including solar water heating. Concept of Rain water harvesting. Principles & systems of drainage, Septic tanks, and soak pits. Acoustical materials and their uses in various buildings. Lighting: Methods of lighting, and Electrical Fittings, Electrical distribution .Heat, Ventilation and Air Conditioning (HVAC) system, Vertical Transportation Systems, firefighting system, provisions in building from fire safety angle as per BIS; fire safety as per NBC.
5. **Structure Mechanics & Systems:** - Force system and Equilibrium, Centroid and Moment of Inertia, Stress and Strain, Shear Force and Bending Moment, Bending stresses in Beams, Introduction to plain frame, RCC structures, steel structures and various types of structure systems.
6. **Climatology:-** General Introduction, Relation of Climate and comfort, Sun Control and shading devices, Wind control, Use of building materials with respect to climate, Criteria for site selection & Environment and Ecology.
7. **Town planning:** - Greek towns, Roman Military Towns, Italian Hill Towns, Medieval Fortified Towns & Renaissance Ideal Towns. Growth of the Industrial Town. Linear city, Garden city, Vertical garden city. Planning Process and Site selection. Introduction to Urban land uses & their management & Legislation and Urban Controls.
8. **Landscape design and Site planning:** - Elements of Landscape, Principles of landscape design with respect to architectural functions, Relationship of landscape & climate & Outdoor functional spaces with respect to different building type.
9. **English & Communication skills:** - Facets of Literature, Grammar and Usage, Translation, Comprehension, Communication, Listening, Speaking, Reading, Writing, vocabulary & Grammar.
10. **Applied Physics, Mathematics & Chemistry:-** Units and Dimensions, Force and Motion, Waves and Vibrations, Rotational Motion, Work, Power and Energy, Properties of Matter, Thermometry, Optics, Electrostatics, DC Circuits, Electromagnetism, Semiconductor physics ,Modern Physics. Algebra, Trigonometry, Co-ordinate Geometry, Differential Calculus, Integral Calculus, Statistics and Probability & Differential Equations. Basic Concepts of Chemistry, Atomic Structure, Periodic Table and Chemical Bonding, Water, Gas laws, Terminology of Thermodynamics and Equilibrium, Electrochemistry & Organic Chemistry.

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11. **Basics of Management:** - Principles of Management, Work Culture, Leadership and Motivation, Legal Aspects of Business: Introduction and need, Management Scope in different Areas, CRM, and TQM & IPR.

Part-B

General Knowledge, Logical Reasoning & Mental Ability

(a) General Knowledge and Current affairs of National and International importance including:

- (i) Economic issues.
- (ii) Polity issues.
- (iii) Environment issues
- (iv) Science and Technology.
- (v) Any other current issues.
- (vi) (a) History of India with special reference to Indian freedom struggle movement
(b) History of Punjab- 14th century onwards

(2) General Mental Ability , Logical Reasoning & Quantative Aptitude

- (i) Analytical Reasoning, Logical Reasoning and Mental Ability
- (ii) Basic numerical skills, numbers, magnitudes, percentage, numerical relation appreciation.
- (iii) Data analysis, Graphic presentation charts, tables, spreadsheets.