



PUNJAB PUBLIC SERVICE COMMISSION

BARADARI GARDEN, PATIALA- 147001

WEBSITE : <http://ppsc.gov.in>

PUBLIC NOTICE

RECRUITMENT TO 18 POSTS DRAFTSMAN (ENGINEERING) (GROUP-B) IN THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (PUDA), GOVERNMENT OF PUNJAB.

1. With reference to advertisement No. 202244 published on 18.06.2022 for the ibid posts, the commission has decided to **revise pattern and the syllabus** for the ibid posts.
2. The **revised pattern** for the written competitive examination as mentioned in clause 6.2 of "General Information for the candidates" shall be as follows:

Sr. No.	Topic	No. of Questions	Marks (Each Question carries 4 Marks)	Type of Questions
1	Questions from the subject (Part A of Syllabus)	90	360	MCQs (Multiple Choice Questions)
2	Questions from General Knowledge & Current Affairs (Part B of Syllabus)	10	40	
3	Questions from General Mental Ability, Logical Reasoning & Quantitative Aptitude (Part C of Syllabus)	10	40	
4	Punjabi (Part D of Syllabus)	10	40	
	Total	120	480	

3. The revised syllabus for the ibid posts is annexed as **Annexure –A.**
4. The Procedure of Selection will remain same as mentioned in Clause 6.1 of the General Information.
5. All other conditions such as reservation of the posts, age, eligibility, essential qualification, etc. of the advertisement shall remain same as mentioned in "General Information for the Candidates".

Sd/-

Secretary (Examinations)

Punjab Public Service Commission
Patiala

Dated : 28/04/2023

(Annexure-A)

Part-A **SUBJECT SYLLABUS**

1. Importance of B.I.S., Introduction of Code for Practice of Architectural and Building Drawings (IS: 962- 1989), Layout of drawing. Lines, Lettering, Dimensioning. Knowledge of different types of Scales and Principle of R.F., Different types of projection views such as Orthographic, Isometric, Oblique and Prespective.
2. Building Materials- Stones –classification, types, uses. Bricks – Manufacturing, characteristics, types, uses. Lime– characteristics, types, uses. Pozzolanitic- classification, types, uses. Cement – Manufacturing, classification, types, uses and test of good cement. Sand – characteristics, types & uses. Clay Products – types, earthenware, stoneware, porcelain, terracotta, glazing. Mortar & Concrete –Types, uses Preparation, Proportion and mixtures and applications. Timber–types, Structure, disease & defects, characteristics, seasoning. Preservation and uses.
3. Alternative materials of Timber- Plywood, Block Board, Particle Board, Fireproof reinforced plastic, (FRP). Medium density fireboard (MDF) etc.
4. Protective materials- Tar, bitumen, asphalt- Properties, application and uses. Paints–characteristics, types, uses. Varnishes– characteristics, types, uses. Metal– characteristics, types, uses. Plastics –characteristics, types, use.
5. Building Construction:- Sequence of construction of a building. Name of different parts of building.
6. Stone masonry- Terms used and Classification. Principle of construction, Composite masonry. Strength of walls. Strength of Masonry.
7. Brick masonry - Principle of construction of Bonds, Tools and Equipment used.
8. Foundation-Purpose of Foundation, Causes of failure of Foundation, Types of Foundations, Drawing of footing, foundation, Setting out of building on ground excavation, Types of Shoring and Scaffolding details, Types of Underpinning and Timbering details. DPC. Arches. Lintels. Mortar. R.C.C. Reinforcement. Doors & windows. Roofs. Floors. Trusses. Carpentry Joints. Stairs.
9. Surveying-Introduction, History and Principal of chain surveying. Instruments Employed. Main divisions (plain & geodetic). Chain Surveying. Compass Surveying. Plane Table Surveying. Leveling. Theodolite. Total Station
10. Computer aided drafting (CAD) -Operating system software & their use. Introduction of CAD. Basic commands of CAD
11. Planning of Building-Principles of Planning & orientation of Building. Local Building Bye Laws
12. Estimating & Costing- Methods of finding Quantities of materials.
13. Roads and Railways- Principles of Planning & construction of Roads. Indian Railways & their Gauges

14. Bridges-Culverts& Bridges.

15. Irrigation & hydrology - Methods. Terms used in Irrigation. Storage & Reservoirs. Canals. Hydroelectric power house.

16. Public Health Engineering- Public health system of Sanitation. Sanitary Fittings etc

Part-B

GENERAL KNOWLEDGE & CURRENT AFFAIRS

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

Part - C

GENERAL MENTAL ABILITY, LOGICAL REASONING & QUANTITATIVE APTITUDE

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

Part-D

PUNJABI

1. ਬਹੁਅਰਥਕ ਸ਼ਬਦ, ਵਿਰੋਧਾਰਥਕ ਸ਼ਬਦ, ਸਮਾਨਾਰਥਕ ਸ਼ਬਦ ਅਤੇ ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ।
2. ਪੰਜਾਬੀ ਅਖਾਣ ਅਤੇ ਮੁਹਾਵਰੇ।
3. ਸ਼ੁੱਧ ਅਸ਼ੁੱਧ, ਸ਼ਬਦਜੋੜ।
4. ਸ਼ਬਦ ਦੇ ਭੇਦ।
5. ਅਗੇਤਰ/ਪਿਛੇਤਰ।
6. ਲਿੰਗ ਅਤੇ ਵਚਨ ਬਦਲੋ।
7. ਵਿਸ਼ਰਾਮ ਚਿੰਨ।
8. ਵਿਆਕਰਨ।
9. ਅੰਗਰੇਜ਼ੀ ਸ਼ਬਦਾਂ ਅਤੇ ਵਾਕਾਂ ਦਾ ਪੰਜਾਬੀ ਵਿੱਚ ਸ਼ੁੱਧ ਰੂਪ।
10. ਅੰਕਾਂ, ਮਹੀਨੇ, ਦਿਨਾਂ ਦਾ ਸ਼ੁੱਧ ਪੰਜਾਬੀ ਰੂਪ।

11.ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ।

12.ਸ਼ਬਦ ਬੋਧ।

13.ਪੰਜਾਬ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਤ ਪ੍ਰਸ਼ਨ।

14.ਪੰਜਾਬ ਦੇ ਮੇਲੇ, ਤਿਉਹਾਰ ਅਤੇ ਸਭਿਆਚਾਰ ਨਾਲ ਸਬੰਧਤ ਪ੍ਰਸ਼ਨ।

15.ਅਣਡਿੱਠੇ ਪੈਰੇ ਵਿਚੋਂ ਪ੍ਰਸ਼ਨ।