

Subject: Advance Notice for Conduct of Written Examination / Computer Based Written Test (CBT).

It is hereby notified for the information of aspirants/candidates that the Jammu and Kashmir Services Selection Board (JKSSB) is going to conduct Computer Based Written Test (CBT) for the posts of Junior Engineer (Civil) (Jal Shakti Department) and Sub Inspector (Home Department) as per the details mentioned in Annexure "A".

All such candidates who have applied for the said posts, are accordingly informed to participate in the Written Examination. The syllabus for the above posts has been notified by the Board earlier and is once again enclosed as Annexures "B" for the post of Junior Engineer (Civil), Jal Shakti Department and Annexure "C" for the post of Sub Inspector (Home Department).

This is an Advance Notice for information of concerned candidates. The final dates of examination, along-with the schedule for downloading of Admit Cards shall be notified separately in due course of time.

Sd/-
Reyaz Ahmad Malik (JKAS)
Controller of Examination
Jammu & Kashmir Services Selection Board

No. JKSSB-COE0EXAM/10/2022-04 (CC-7055504)

Dated: 03-11-2022

Copy to the:

1. Secretary to the Government, General Administration Department, Civil Secretariat, Jammu.
2. Director Information & Public Relations, J&K Government with the request to get the said notification published in at least three leading local newspaper of Jammu/Srinagar for three consecutive days.
3. Member(s) ALL, J&K Services Selection Board.
4. Secretary, J&K Services Selection Board.
5. Administrative Officer, Services Selection Board, Jammu/Srinagar.
6. P.A. to Chairman, J&K Services Selection Board.
7. In-charge Website, Services Selection Board, Jammu.
8. Office record.

Annexure "A"

to Notification No. JKSSB-COE0EXAM/10/2022-04 (CC-7055504)

Dated: 03-11-2022

Tentative Calendar of CBT Written Examinations scheduled to be held by J&K Services Selection Board for the posts of various Departments, advertised vide Advertisement Notification Nos. 05 and 06 of 2021.

S. No	Advt. No	Item No.	Department	Name of Post	Cadre of Post	Total Posts	Tentative Date of Written Test / CBT Examination	Syllabus
1.	05 of 2021	689	Jal-Shakti	Junior Engineer (Civil)	UT	163	05-12-2022 to 06-12-2022	Annexure B
					Total	163		
2.	06 of 2021	668	Home	Sub-Inspector	UT	1200	07-12-2022 to 20-12-2022	Annexure C
					Total	1200		

- Note:**
- 1. The Exam calendar is merely tentative schedule of the Board's Recruitment process.**
 - 2. It is subject to the outcome of Litigations/Court Orders.**
 - 3. It is subject to changes/modifications on account of unavoidable circumstances.**
 - 4. The exact date and schedule of each of the above item shall be announced separately by the Board.**

Sd/-
Reyaz Ahmad Malik (JKAS)
Controller of Examination
Jammu & Kashmir Services Selection Board

ANNEXURE B

Syllabus for Written test

Marks = 120

120 Minutes

1. Surveying: _____ 10 Marks

Importance of surveying, principles and classifications, measurements of distance and directions, chain surveying, compass surveying, leveling, tachometry, theodolite, traversing, contouring, plane table surveying, curves.

2. Mechanics and Structural analysis: _____ 15 Marks

Introduction, Concept of rigid body scalar and vector quantities, Laws of force, moment, friction, Centre of gravity, simple machines, torsion, Properties of material, Bending moment and shear force in statically determinate beams. Simple stress and strain relationship. Stress and strain in two dimensions, principal stresses, stress transformation. Simple bending theory, flexural and shear stresses, unsymmetrical bending, shear Centre. Thin-walled pressure vessels, uniform torsion, buckling of column, combined and direct bending stresses. slope and deflection, Analysis of trusses

3. RCC Structures: _____ 15 Marks

Concrete technology, Ingredients of concrete, water cement ratio, workability properties of concrete, admixtures, special concretes, Nondestructive tests, basics of mix design. Concrete design-basic working stress and limit state design concepts, analysis of ultimate load capacity and design of members subjected to flexure, shear, compression and torsion by limit state methods. Basic elements of pre-stressed concrete, analysis of beam sections at transfer and service loads, one-way slab, two-way slab.

4. Soil Mechanics: _____ 10 Marks

Origin of soils, properties, soil classification, three phase system, fundamental definitions, relationship and interrelationship, flow of water through soils, permeability & seepage, effective stress principle, deformation of soils, consolidation, compaction, shear strength characteristics, plate load test, SPT, Density control, Measurement of field density by core cutter and sand replacement method, soil exploration, bearing capacity and its methods

5. Fluid Mechanics and Hydraulics: _____ 15 Marks

Properties of fluids, hydrostatic pressure, measurement of pressure, flow measurements, flow through pipes, flow through open channels, hydraulic pumps, principle of conservation of mass, momentum, energy and corresponding equations, potential flow, applications of momentum and Bernoulli's equation, laminar and turbulent flow, flow in pipes, pipe networks. Concept of boundary layer and its growth. Uniform flow, critical flow and gradually varied flow in channels, specific energy concept, hydraulic jump Forces on immersed bodies, flow measurements in channels, tanks and pipes. Dimensional analysis and hydraulic modeling Kinematics of flow.

6. Irrigation Engineering: 10 Marks

Introduction, water requirement of crops, hydrological cycle, Dams, Canals, dams, canal head works and regulatory works, cross drainage works, hydraulic structures, river training works, water-logging, drainage, ground water recharge, well hydraulics.

7. Water supply and waste water Engineering: 10 Marks

Introduction, quantity of water, quality of water, water treatment, conveyance of water, laying out of pipes, building water supply, water supply fixtures and installation, plumbing, sewerage system, laying and construction of sewers, sewage characteristics, Methods of disposal, sewage treatment, building drainage, air and noise pollution

8. Highway Engineering: 10 Marks

History of development of highway and planning, Definitions of various terms used in highway engineering., Methods of road construction, IRC classification, Highway surveys and plans Geometric design, Different types of road materials in use, Binders, Types of pavement, CBR method, sub grade preparation, WBM, WMM, Bituminous Macadam, dense bituminous macadam, special problems in hill road.

9. Railway Engineering: 10 Marks

History of Indian railways, Gauges used, permanent way its components, Types of rails, creep, welding, Rail fixtures and fastenings, Signaling, Points and Crossings, Bridge terminology, classification, components, foundations.

10. Construction planning management: 15 Marks

Network diagrams, PERT-CPM, cost optimization contracts, tenders, depreciation, valuation, organization, measurement books, cash book, functions of management, construction planning, quality control, inventory control, Estimation and costing definitions, methods of estimation and type of estimates.

ANNEXURE C

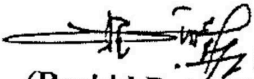
Annexure to letter No. Home-NGIV/51/2021-05-Home
dated 18.12.2021

Syllabus for Written Test(Objective type) for the post of
Sub-Inspector in Police Department.

150 marks(120 Questions)

Duration : Two Hours

1. Current events of National and International importance
2. History of India and Indian National Movement.
3. Indian and World Geography- Physical, Social and Economic.
4. Indian Polity and Governance- Constitution, Political System, Panchayati Raj, Public Policy, Rights issues etc.
5. J&K Reorganization Act, 2019 and Removal of difficulties Order/Adaptation Orders issued thereunder.
6. Economic and Social Development- Sustainable Development, Poverty, Inclusion, Demographics, Social Sector Initiatives, etc.
7. General issues on Environmental ecology, Bio-diversity and Climate Change.
8. General English.
9. Interpersonal skills including communication skills.
10. General Science.
11. Basics of Computer and its usages- various facets of Computer Hardware, Software, Internet and their usage.
12. General mental ability.
13. Logical Reasoning & Analytical Ability
14. Basic numeracy (number and their relations, orders of magnitude, etc.), Data interpretation (charts, graphs, tables, data sufficiency, etc.)- Class X level.

 18.12.21

(Rashid Raina)KAS

Under Secretary to the Government