

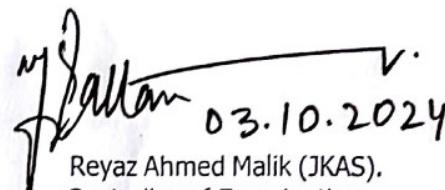
GOVERNMENT OF JAMMU AND KASHMIR
JAMMU AND KASHMIR SERVICES SELECTION BOARD (JKSSB)
CPO Chowk, Panjbirthi, Jammu/Zamzam Complex, Rambagh, Srinagar
www.jkssb.nic.in

NOTICE

Sub: Syllabus for the post(s) of Constables.

The Jammu and Kashmir Services Selection Board advertised various posts of Constables vide Advertisement Notification No. 01 of 2024 Dated: 16.07.2024.

Accordingly, the syllabus for the posts of Constable (Armed/IRP), Constable (SDRF) and Constable (Executive Police) is notified for the information of candidates as **Annexure A**, to this Notice. The Syllabus for the posts of Constable (Telecommunication) and Constable (Photographer) is notified as **Annexure B** and **Annexure C**, respectively.


03.10.2024
Reyaz Ahmed Malik (JKAS),
Controller of Examinations,
J&K Services Selection Board.

No: JKSSB/COE0EXAM(UT)/47/2023-03 (7202110)

Dated: 03.10.2024

Copy to:

1. Principal Secretary to Govt. of J&K, Home Department, Civil Secretariat Srinagar/Jammu.
2. Commissioner/Secretary to Govt. of J&K General Administration Department, Civil Secretariat Srinagar/Jammu.
3. Director Information J&K Jammu, with request to get the Notice published in leading dailies of Kashmir and Jammu Divisions, for at least 03 consecutive days.
4. Members (ALL).
5. Secretary J&K Services Selection Board.
6. Administrative Officer Kashmir/Jammu.
7. P.S to Chairperson J&K Services Selection Board for inf. of the Chairperson.
8. In-charge Website.
9. Office File.

ANNEXURE - A

Syllabus for Written Test for the post of Constables (Executive Police/Armed/IRP/SDRF)

Marks: 100

No. of Questions: 100

Time: 02:00 Hours

S.No.	Subject/Topic	Total number of questions
1.	General English	25
2.	General Knowledge and current affairs (India)	25
3.	General Knowledge with special reference to J&K	10
4.	Numerical and Reasoning Ability	25
5.	Basic Concepts of Computers	15
Total		100

DETAILED SYLLABUS

1. GENERAL ENGLISH

- Articles
- Clauses
- Pronouns
- Homonyms/ homophones
- Tenses
- Clauses
- Punctuation
- Synonyms and antonyms
- Analogies
- Idioms and Phrases
- Uses of prepositions

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2. GENERAL KNOWLEDGE AND CURRENT AFFAIRS (INDIA)

- Important dates in Indian History/Freedom Struggle, different dates and events
 - First in world (Adventure, Sports, Discoveries).
 - First in India (Adventure, Sports, Discoveries)
 - Popular names of Personalities (Religion, Politics, Scientific discoveries, Geographical, Sports, History)
 - The Newspaper world - (Current Dailies & Weeklies of India)
 - Books & Authors – General
 - Famous Places in India
 - Languages
 - Capitals & Currencies
 - United Nations Organizations - Veto Powers, No. of Countries as its Members Principal organs and their functions
 - SAARC, ASEAN
 - Everyday Science
 - World famous Awards -
 - (1. in Science)
 - (2. in Literature)
 - (3. in Sports)
 - National Awards
 - (1. in Science)
 - (2. in Literature)
 - (3. in Sports)
 - The world of Sports
 - Climate & Crops in India
 - Constitution of India (Formation, Fundamental rights, Directive Principles).
 - Democratic institutions
 - Forms of Government
 - Political & Physical divisions of world & India
 - Important rivers & Lakes in India
 - Current Events of National and International Level
 - Agriculture in economic development; Industrialization and economic development
 - Centrally Sponsored Schemes-Guidelines and Objectives
 - Indian Foreign Trade

3. GENERAL KNOWLEDGE WITH SPECIAL REFERENCE TO J&K

- Abbreviations, Important dates, popular names of personalities and their achievements/Contribution (National and International)
- Weather, Climate, Crops, Means of Transport Important power projects and their impact on J&K Economy
- Rivers and Lakes
- Important Tourist Destinations
- History of J&K - Historical places of the J&K and their importance
- RTI Act
- Indus Water Treaty and its impact on economy
- Agriculture in Economic Development, industrialization and economic Development.
- Current events of Local, National and International Importance.

4. NUMERICAL AND REASONING ABILITY

The candidates will be tested primarily on the fundamental mathematical concepts and application oriented reasoning. The broad areas will include the following:

Basic Arithmetic:

- Number System
- Percentage
- Average
- Profit & Loss
- Ratio & Proportion
- Speed, Distance and Time
- Mathematical reasoning
- Basic Algebra
- Mensuration
- Decimal Fractions
- Simple and Compound Interest
- Trigonometry
- Simplification


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Reasoning ability:

- Number series
- Letter series
- Coding decoding
- Direction sense

- Blood relations
- Statements and conclusions
- Logical Reasoning
- Mental Reasoning
- Sequential output tracing
- Assertions and reasons
- Arithmetical Operations

5. **BASIC CONCEPTS OF COMPUTERS**

The candidates' understanding of the concepts of computers and its application will be tested and it will broadly cover the following:

- Computer terminology
- Hardware and Software
- Input and Output Devices
- MS word and MS Excel
- Storage and Operating systems
- Safety and Security
- E-mail and Internet Usage
- Search Engines

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ANNEXURE-B

Syllabus for Written Test for the post of Constables (Telecommunication)

Marks: 100

No. of Questions: 100

Time: 02:00 Hours

	S.No.	Subject/Topic	Total number of questions
Aptitude	1.	General English	15
	2.	General Knowledge and current affairs (India)	15
	3.	General Knowledge with special reference to J&K	5
	4.	Numerical and Reasoning Ability	15
	5.	Basic Concepts of Computers	10
	Total Marks (Aptitude)		60
Technical	6.	Technical Questions	40
	Grand Total		100

DETAILED SYLLABUS

1. GENERAL ENGLISH

- Articles
- Clauses
- Pronouns
- Homonyms/ homophones
- Tenses
- Clauses
- Punctuation
- Synonyms and antonyms
- Analogies
- Idioms and Phrases
- Uses of prepositions


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2. GENERAL KNOWLEDGE AND CURRENT AFFAIRS (INDIA)

- Important dates in Indian History/Freedom Struggle, different dates and events
 - First in world (Adventure, Sports, Discoveries).
 - First in India (Adventure, Sports, Discoveries)
 - Popular names of Personalities (Religion, Politics, Scientific discoveries, Geographical, Sports, History)
 - The Newspaper world - (Current Dailies & Weeklies of India)
 - Books & Authors – General
 - Famous Places in India
 - Languages
 - Capitals & Currencies
 - United Nations Organizations - Veto Powers, No. of Countries as its Members Principal organs and their functions
 - SAARC, ASEAN
 - Everyday Science
 - World famous Awards -
 - (1. in Science)
 - (2. in Literature)
 - (3. in Sports)
 - National Awards
 - (1. in Science)
 - (2. in Literature)
 - (3. in Sports)
 - The world of Sports
 - Climate & Crops in India
 - Constitution of India (Formation, Fundamental rights, Directive Principles).
 - Democratic institutions
 - Forms of Government
 - Political & Physical divisions of world & India
 - Important rivers & Lakes in India
 - Current Events of National and International Level
 - Agriculture in economic development; Industrialization and economic development
 - Centrally Sponsored Schemes-Guidelines and Objectives
 - Indian Foreign Trade

3. GENERAL KNOWLEDGE WITH SPECIAL REFERENCE TO J&K

- Abbreviations, Important dates, popular names of personalities and their achievements/Contribution (National and International)
- Weather, Climate, Crops, Means of Transport Important power projects and their impact on J&K Economy
- Rivers and Lakes
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- History of J&K - Historical places of the J&K and their importance
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- Agriculture in Economic Development, industrialization and economic Development.
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4. NUMERICAL AND REASONING ABILITY

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Basic Arithmetic:

- Number System
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- Profit & Loss
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- Speed, Distance and Time
- Mathematical reasoning
- Basic Algebra
- Mensuration
- Decimal Fractions
- Simple and Compound Interest
- Trigonometry
- Simplification


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Reasoning ability:

- Number series
- Letter series
- Coding decoding

- Direction sense
- Blood relations
- Statements and conclusions
- Logical Reasoning
- Mental Reasoning
- Sequential output tracing
- Assertions and reasons
- Arithmetical Operations

5. BASIC CONCEPTS OF COMPUTERS

The candidates' understanding of the concepts of computers and its application will be tested and it will broadly cover the following:

- Computer terminology
- Hardware and Software
- Input and Output Devices
- MS word and MS Excel
- Storage and Operating systems
- Safety and Security
- E-mail and Internet Usage
- Search Engines

6. TECHNICAL SYLLABUS

Radio Communication

Modulation-amplitude modulation and frequency modulation, modulation Index, Carrier signal, modulated signal. AM modulator, FM Modulator, Demodulation, Bandwidth, AM applications, FM applications, AM receiver-super heterodyne radio receiver, FM receiver

Radio wave propagation Types of propagation-ground wave propagation-Sky wave propagation, Space wave, AF, IF, RF

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Television Transmission

Television transmitters

Antenna, types-dipole antenna, transmission lines feeders, coaxial cables.

Persistence of vision of eye, Picture transmission, Scanning in picture tube Progressive scanning inter laced scanning-composite video signal, negative picture pulses, Video signal band width, channel band, width, SSB (Single side band transmission) VHF, UHF Ranges

Electronics ad Telecommunication

Radio Wave Propagation: Radio Wave Propagation Principle, types of Propagation Fading.

Modulation and Demodulation: Need for Modulation, Types of Modulation and Demodulation. Introduction to AM, FM & PM, SSB-SC & DSB-SC. Block Diagram of AM And FM Transmitter. FM Generation & Detection. AM, FM & PM comparisons.

Antenna: Fundamentals Of Antenna, Various Parameters, Types Of Antennas & Application

Digital Modulation and Demodulation: Techniques, Sampling. Quantization & Encoding, Concept of Multiplexing and De Multiplexing. PAM/PPM/PWM Signals and principles

Mobile Communication. Basics of Mobile Communication. Concept Cell Site, Hand Off, Frequency Reuse, Block Diagram And Working Of Cell Phones, Cell Phone Features. GSM and CDMA Technology

Communication equipments. AM&FM RADIO Concept and Working, TELEVISION Concept and Working and Optical Fiber Equipments.

Electrical and Electronic Gadgets: UPS, Inverter, Stabilizer and SMPS working system

e-Governance: Objectives. Origins In India, E-Governance Project In India. Work plan And Infrastructure. DBMS, ANTI-VIRUS.


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Electricity

Electrical units, Effects of electric current, conductors and insulators. Types of solder and flux. AC Circuits

Magnetic terms and units. Magnetic material, Properties of magnet. Laws of electromagnetism

Wiring, IE rules, Wiring accessories- switches, fuses, MCB, ELCB, MCCB, RCCB, relays Earthing- megger, earth tester.

DC generator- Principle, parts and functions, types, EMF equation. Voltage build up.

Three phase induction motor Principle, parts and functions. Slip, speed, rotor Frequency, torque, copper loss, applications.

ANNEXURE-C

Syllabus for Written Test for the post of Constables (Photography)

Marks: 100

No. of Questions: 100

Time: 02:00 Hours

	S.No.	Subject/Topic	Total number of questions
Aptitude	1.	General English	15
	2.	General Knowledge and current affairs (India)	15
	3.	General Knowledge with special reference to J&K	5
	4.	Numerical and Reasoning Ability	15
	5.	Basic Concepts of Computers	10
	Total Marks (Aptitude)		60
Technical	6.	Technical Questions	40
	Grand Total		100

DETAILED SYLLABUS

1. GENERAL ENGLISH

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- Tenses
- Clauses
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3. GENERAL KNOWLEDGE WITH SPECIAL REFERENCE TO J&K

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- Mathematical reasoning
- Basic Algebra
- Mensuration
- Decimal Fractions
- Simple and Compound Interest
- Trigonometry
- Simplification

Reasoning ability:

- Number series
- Letter series
- Coding decoding

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- Direction sense
- Blood relations
- Statements and conclusions
- Logical Reasoning
- Mental Reasoning
- Sequential output tracing
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- Arithmetical Operations

5. BASIC CONCEPTS OF COMPUTERS

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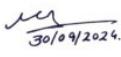
- Computer terminology
- Hardware and Software
- Input and Output Devices
- MS word and MS Excel
- Storage and Operating systems
- Safety and Security
- E-mail and Internet Usage
- Search Engines

6. TECHNICAL SYLLABUS

BASIC PHOTOGRAPHER

Camera-Type of Cameras, Pinhole Camera, Box Camera, View Camera, Ranger finder Camera, Single lens reflex Camera, Twin lens Reflex Camera, Polaroid Camera, Panoramic Camera, Process Camera, Cine Camera, Video Camera, Digital Camera. Different formats of Camera-Large Format-Medium Format-Small format.

Optics-positive and negative lenses, Focal Length, -Resolving power of lens, lens aberration and rectification, spherical chromatic, coma, astigmatism, distortion Curvature of field-types of lenses, Normal-wide angle-telephoto-zoom lenses supplementary lenses-digital Lenses.

 30/09/2024. Focusing-rack and pinon focusing, scale focusing, automatic focusing, types of Focusing in Digital-Exposure, Exposure meters, incident Light meters, reflected

light meters, built in light meters, Depth of field Circle of confusion, Depth of focus, Hyper focal distance.

PHOTO AESTHETICS

Definition of Light, Principles of Light, Properties of Light, Reflection, Refraction Absorption, Transmission, Dispersion, Light Characteristics, Direct Light, Indirect Light, Diffused light, light as subject, Shadow as subject.

Need for the light in photography, Light Sources-Natural Light, Sunlight Moon Light, Ambient- Artificial Light Source, Flood Light, Spot Light, Halogens Light Electronic flash light, Digital lights.

BASIC PHOTOTECH

1. Key light or main light or principle light.
2. Fill in light
3. Bounce light.
4. Diffused light & Directional Diffused Light.
5. Exposure Calculation &Light Meters.
- 6.Digital Basics-Introduction to Digital Imaging Principles.

DIGITAL PHOTOGRAPHY TECH

The digital Camera-Components of Digital Camera-Sensor-Sensor Characteristics & Configuration-LCD Display-Menu & Operations. Digital Camera Lenses-Digital Zoom-Auto Focus System-Optical Zoom-Focal Length-Depth of field-Depth of focus.

How to use Digital Camera- shooting images with correct Exposure - Application of Histogram.

ADVERTISING PHOTOGRAPHY

Evolution of Advertising-The age of technology Print Media-Newspapers Magazines-Electronic Media-Radio-Television-Luterult.

APPLIED PHOTOGRAPHY

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Forms & Specializations in Photography-Agriculture-Sports-Table Top-Commercial Photography-Architectural Photography-Interiors Photography--Jewelry-People Photography-War Photography. Scientific application-Ultra Violet

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Photography-Infrared Photography-Forensic Photography. Medium format-Large format cameras-Working Principles-Camera Movements. Tripods-Digital Backs-Industrial Photography-Various Branches-Interactions. Shooting Machineries-Shooting large Industrial Set Up-Techniques involved in shooting.