


Government of Jammu and Kashmir
J&K Services Selection Board
CPO ChowkPanjthirithi, Jammu/ZamZamComplex, Rambagh, Srinagar
(www.jkssb.nic.in)

Sub : Advance Notice for conduct of Examinations to various Posts.

It is hereby notified for the information of candidates that the Jammu and Kashmir Services Selection Board(JKSSB) is scheduled to conduct written test for various posts, tentatively as per the details given in **Annexure "A"** to this notice

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

The syllabus for these posts has already been notified by the Board and is enclosed as Annexure **B and C**.


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

No:JKSSB-COE0EXAM/10/2022-04(7055504)

Dated: 04.10.2023

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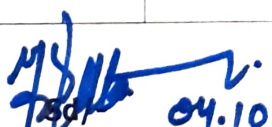
1. Commissioner/Secretary to the Government, General Administration Department, Civil Secretariat Srinagar/Jammu.
2. Divisional Commissioner Jammu/Kashmir for information.
3. Director Information J&K Jammu/Srinagar with request to get the notice published in at least 02 leading dailies for 03 consecutive days.
4. Members (ALL).
5. Secretary J&K Services Selection Board.
6. Administrative Officer Jammu/Kashmir for information.
7. Pvt. Secretary to Chairman J&K SSB for information of the Chairman.
8. Office File.

ANNEXURE A

S No	Advertised under Notification No.	Item No.	Department	Name of the post as per indent	Tentative Date of Examination	Syllabus
1	03 of 2021	557	Forest, Ecology & Environment Department	Junior Environmental Engineer	05-11-2023	"B"
2	01 of 2021	061	Horticulture	Assistant Mechanic	05-11-2023	"C"
		074	Horticulture	Assistant Mechanic		
		079	Horticulture	Assistant Mechanic		
		083	Horticulture	Assistant Mechanic		
		087	Horticulture	Assistant Mechanic		
		099	Horticulture	Assistant Mechanic		
		103	Horticulture	Assistant Mechanic		
		106	Horticulture	Assistant Mechanic		
3	05 of 2020	168	ARI and Training	Assistant Mechanic	05-11-2023	"C"
4	07 of 2020	315	Skill Development	Electronic Mechanic	05-11-2023	"C"
		325		Electronic Mechanic	05-11-2023	"C"
5	05 of 2020	147	Public Works(R&B) Department	Fitter	05-11-2023	"C"
6	04 of 2020	083	Transport	Greaser Washer	05-11-2023	"C"

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7	05 of 2020	167	ARI and Training	Junior Electrician	05-11-2023	"C"
8	05 of 2020	166	ARI and Training	Lathe Runner	05-11-2023	"C"
9	04 of 2022	081	Home Department	Mechanic	05-11-2023	"C"
10	03 of 2021	604	Forest , Ecology and Environment Department	Mistry	05-11-2023	"C"
11	06 of 2020	190	Higher Education	Plumber-II	05-11-2023	"C"
12	01 of 2021	121	Information	Screenman	05-11-2023	"C"
		126		Screenman		
		132		Screenman		
		136		Screenman		
		141		Screenman		
		154		Screenman		
		155		Screenman		
		157		Screenman		
13	01 of 2021	112	Hospitality & Protocol Department	Tailor	05-11-2023	"C"
14	07 of 2020	311	Skill Development	Workshop Assistant	05-11-2023	"C"
15	07 of 2020	320		Workshop Assistant	05-11-2023	"C"


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04.10.23

TOTAL MARKS : 120

Syllabus for Junior Environment Engineer

	Name of the Subject	Topic Name
a)	Environmental knowledge General	<ul style="list-style-type: none"> National / International events related to the environment and common understanding of environmental processes, NGT Act, Pollution Indices. Abiotic and biotic environment, Non-renewable resources, Health hazards due to Environmental Pollution.
b)	Water / Waste Water / Industrial Waste Water Engineering	<ul style="list-style-type: none"> Estimating sewage discharge, quantity of sewage per capita and its relationship per capita water supplied, design periods. Unit processes / Operations related to water and waste water treatment, namely Equalization Coagulation; Flocculation; Settling; filtration; Disinfection; Aeration; Adsorption etc. Physical, chemical and biological characteristics of water and sewage; Activated sludge process and its modifications; treatment ponds and aerated lagoons; Trickling filters; Rotating biological contactors; Sequencing Batch reactor and Membrane Batch Reactor. Anaerobic digestion; Anaerobic filter and UASB, Nitrification & De-nitrification. Types of pumps required for pumping sewage such as, centrifugal pumps, reciprocating pumps, diaphragm pumps and pneumatic ejectors; Pumping stations – their locations and component parts. Characteristics and treatment of waste from Textile, Tannery, Dairy, Distillery, Cement Industry.
c)	Water / Waste Water / Industrial Waste Water Analysis	<ul style="list-style-type: none"> Physical, chemical, and biological characteristics of water, and sewage, performance evaluation of the wastewater treatment system.
d)	Environmental Assessment Impact	<ul style="list-style-type: none"> Basic concept of Environmental Impact Assessment, Environmental Impact statement, and Environment Management Plan. Prediction and assessment of impacts on air, water, biota, noise, cultural, and socio-economic environment. Rapid and comprehensive Environmental Impact Assessment. Use of GIS in making EIA reports for industries and remote sensing and other software use in EIA studies.
e)	Environmental Legislations in India	<ul style="list-style-type: none"> Environment (Protection) Act 1986, its amendments, and various rules /notifications made therein. Environmental Impact Assessment notification, 2006-salient features. Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act 1981.
f)	Environmental Audit and Safety Audit in Industrial units	<ul style="list-style-type: none"> Environmental Audit and Safety Audit in Industrial units. On site and off site emergency plan, Disastrous management plan.

ANNEXURE C

Syllabus for Written Test

Total Marks= 120
Hours

Time=02

UNIT I 15 Marks

- (i) Articles
- (ii) Tenses
- (iii) Modals
- (iv) Clauses
- (v) Determiners
- (vi) Preposition
- (vii) Idioms and Phrases.
- (viii) Synonyms / Antonyms
- (ix) Spellings
- (x) Sentences
- (xi) Phrases
- (xii) Homonyms/ Homophones

UNIT II 15 Marks

- (i) Current events of National importance
- (ii) Honours and Awards
- (iii) The World of Sports
- (iv) Geographical Discoveries
- (v) Principal Languages of India
- (vi) Capitals and Currencies of Countries
- (i) History, Geography, Culture and Economy of UT of Jammu and Kashmir
- (ii) Flora and Fauna of J&K
- (iii) Rivers and Lakes.
- (iv) Important Tourist Destinations of UT of Jammu and Kashmir

Unit III 20 Marks

- (i) Percentage
- (ii) Average
- (iii) Time, Work and Distance
- (iv) Ratio and Proportions
- (v) Problem of Age
- (vi) Probability
- (vii) LCM, HCF
- (viii) Mensuration
- (ix) Trigonometry

- (x) Polynomials and Quadratic equation

UNIT IV

20 Marks

- (i) Sources of energy; Conventional & Non-Conventional
- (ii) Reflection & refraction of light, Mirror formula.
- (iii) Refractive index, Lens formula, image formation, sign conventions.
- (iv) Defects of vision & their correctness.
- (v) Electric current; Electric potential and Potential difference
- (vi) Ohms Law, Heating effects of Current
- (vii) Environmental pollution
- (viii) Nutrition, Respiration, Excretion etc
- (ix) Communicable & Non-Communicable Diseases.
- (x) Ecosystem – Its components, Food chains and Food webs.
- (xi) Ozone layer, its depletion, Green House Effect.
- (xii) Chemical Equation, types of chemical reactions.
- (xiii) Oxidation & reduction reactions
- (xiv) Bonding in Carbon, Allotropes of Carbon
- (xv) Physical & Chemical properties of metals and non-metals.

Unit-V

20

Marks

- (i) Partition of Bengal.
- (ii) Boycott and Swadeshi Movement.
- (iii) Muslim League/ Khilafat Movement/Non-Cooperation Movement
- (iv) Quit India Movement.
- (v) Independence and Partition of India.
- (vi) Change of Seasons/ Planets/ Solar System
- (vii) Longitude - Latitude.
- (viii) Types of Forests
- (ix) Classification of Soils
- (x) Types of farming
- (xi) Major Crops
- (xii) Resources- Types, Conservation etc.
- (xiii) Federalism
- (xiv) Democracy – Direct & Indirect.
- (xv) Fundamental Rights, Fundamental Duties.
- (xvi) Representation, Franchise, Secret Ballot.
- (xvii) Political Parties- National, State, Regional etc.
- (xviii) Economy-Primary, Secondary and Tertiary Sectors

UNIT V

10 Marks

- (i) Analogies
- (ii) Relationship concepts

- (iii) Figure odd one out
- (iv) Direct Sense
- (v) Figure Series completion
- (vi) Venn Diagram
- (vii) Number series
- (viii) Coding/Decoding

Unit VI

20 Marks

- (i) Communication and its importance.
- (ii) Types of communication – verbal, non-verbal, written, email etc.
- (iii) Safety and Health- Importance of safety and health at workplace.
- (iv) Occupational Hazards- Basic Hazards, Chemical Hazards, Mechanical Hazards, Electrical Hazards, Thermal Hazards.
- (v) First Aid, Care of injured & Sick at the workplaces.
- (vi) Pollution and pollutants including liquid, gaseous, solid and hazardous waste
- (vii) Skills, Working Aids, Automation, Environment, Motivation.
- (viii) Idea of ISO 9000 and BIS systems and its importance in maintaining qualities
- (ix) Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's Compensation Act.
- (x) Metric System: Measurement of length, breadth & height in metric units Measurement of weight in metric system. Unit conversion. Reading of plain scales. Reading of tapes & foot rules.