

SELECTION PROCESS OF GROUP 'B' & 'C' PERSONNEL UNDER SPECIAL RECRUITMENT DRIVE KP/S/04/2023 DT.11.4.2023



- A.** The selection will be based on assessment through Computer Based Written-Test (along with typing test for OAT) to be held on **Sunday 17th of September, 2023**. The list of eligible candidates along with link towards downloading & printing the Hall ticket will be hosted shortly under the SRD Advertisement KP/S/04/2023.
- B.** **The Computer based written test will be held in centres at Bangalore only.**
- C.** Candidates have to make their own arrangement towards attending the Written test. All outstation candidates belonging to SC/ST /PwD will be reimbursed to & fro (*travel by shortest route from the declared correspondence address to Bangalore*) Sleeper Class train charges on production of original tickets. Local conveyance will not be paid.
- D.** The syllabus for the Computer based written test is as mentioned below:

(I) Backlog Vacancies – Group 'B'				
<ul style="list-style-type: none"> ➤ Numerical Aptitude & English Language Skills. (20 Questions) ➤ Subject (70 Questions) ➤ Questions paper & options will be in bi-lingual i.e. English & Hindi. (except for English language test) ➤ Duration : 90 Minutes (1 ½ Hours) 				
Sl.No	Grade	Position	Syllabus	Marks/ no. of Questions/ Duration
1.	Assistant Officer	Human Resource	Principles and Practices of Management, Function of Management, Human Resource Management, New Trends in HRM, Trade Unions, Human Resource Development, Organisational Behavior, Industrial Relations, Industrial Disputes, Labour Legislation, Wages, Labour Welfare, Social Security.	Computer based written test consisting of 90 (MCQ)^ Questions @ 1 mark for each correct answer. Negative marks of 0.25 (i.e. ¼) marks for every one wrong answer will be deducted. ^ MCQ = Multiple Choice Questions (consisting of 4 choices which will have one correct answer)
2.		Maintenance – Mechanical	Engineering Mechanics, Mechanics of Materials, Theory of Machines, Vibrations, Machine Design, Fluid Mechanics & applications, Heat-Transfer & applications, Thermodynamics & applications. Engineering Materials, Manufacturing and Industrial Engineering. Machining and Machine Tool Operations, Metrology and Inspection, Operations Research, Inventory Control.	
3.		Maintenance – Electrical	Electric circuits , Network Elements, Electromagnetic Fields, Signals and Systems, Electrical Machines, Power Systems, Control Systems, Electrical and Electronic Measurements, Analog and Digital Electronics, Power Electronics	
4.		Maintenance – Civil	Engineering Mechanics, Solid Mechanics, Structural Analysis, Construction Materials and Management, Concrete Structures, Steel Structures, Soil Mechanics, Foundation Engineering, Fluid Mechanics, Hydraulics, Hydrology, Irrigation, Water and Waste Water Quality & Treatment, Air Pollution, Municipal Solid Wastes, Transportation Infrastructure, Highway Pavements, Traffic Engineering, Geomatics Engineering.	

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(II) Backlog Vacancies – Group 'C'

- Numerical Aptitude & English Language Skills. (20 Questions)
- Subject : (70 Questions)
- Questions paper & options will be in bi-lingual i.e. English & Hindi. (except for English language test)
- Duration : 90 Minutes (1 ½ Hours)

Sl.No	Grade	Diploma Trainees	Syllabus	Duration of Test
1.	Diploma Trainees	Mechanical	Engineering Materials, Mechanics of Solids, Thermal Engineering, Workshop Technology, Refrigeration and Air Conditioning, Hydraulics and Pneumatics, Computer Aided Design and Manufacturing, Theory of Machines, Machine Design, Production Technology, Production Management, Automobile Engineering, Industrial Engineering, Metrology and Measuring Instruments, CNC Machines and Automation.	Computer based written test consisting of 90 (MCQ)^ Questions @ 1 mark for each correct answer. Negative marks of 0.2 (i.e 1/5) marks for every one wrong answer will be deducted. ^MCQ = Multiple Choice Questions (consisting of 4 choices which will have one correct answer)
2.		Electrical	Electrical Basics, Electrical Engineering Material, DC/AC Machine & Transformer, Analog Circuits/ Electronics, Electrical Measurements & Measuring Instruments, Control System, Digital Electronics, Generation, Transmission & distribution of Electrical Power, Circuit and Network Theory, Microprocessor, Power Electronics & Drives.	
3.		Electronics	Basics of Information Technology, Electrical Engineering, Electronic Components and Devices, , Electronic Devices and Circuits, Digital Electronics, Industrial Electronics and Transducers, Network Filters and Transmission Line, Electronic Instruments and Measurement, Principles of Communication Engineering, Energy Conservation, Microprocessors, Optical Fibre Communication, Microwave Engineering, Microcontrollers and Embedded System, Wireless and Mobile Communication System.	
4.		Civil	Building materials , solid mechanics, structural analysis, design of steel structures, design of concrete and masonry structures, construction practice, planning and management Fluid mechanics, open channel flow, pipe flow , hydrology , water resources engineering, environmental engineering, soil mechanics, surveying.	
5.		Tool & Die making	Engineering Drawing, Production Technology, Basic Electrical & Electronics, Engineering materials, Strength of Materials, Engineering metrology, material technology, press tool theory, jigs & fixtures theory & design, Mould theory, mould design, hydraulics & pneumatics.	

6.		Chemist	<p>A. Physical Chemistry Atomic Structure, States of Matter, Chemical Thermodynamics, Chemical and ionic Equilibrium, Redox Reactions, Phase equilibria & Solutions, Electrochemistry, Chemical Kinetics, Surface Chemistry, Nuclear Chemistry</p> <p>B. Organic Chemistry Basic Concepts in Organic Chemistry and Stereochemistry, Qualitative and quantitative analysis and purification of organic compounds., Preparation, Properties and reactions of Alkanes, Alkenes, Alkynes, Organic compounds with functional group containing halogens, Organic compounds with functional group containing oxygen, Organic compounds with functional group containing nitrogen, Reactions of alpha, beta unsaturated carbonyl and acids, Polymers, Reactions of Benzene and heterocyclic compounds, Urea and malonic ester, Spectroscopy measurements, Biomolecules – Carbohydrates, Protein, Vitamins, Nucleic Acid, Lipids, Hormones, Environmental Chemistry</p> <p>C. Inorganic Chemistry Mole Concept and stoichiometry, Periodic Table, Chemical Bonding, Main Group Elements, Transition Elements and lanthanides, Coordination compound, Metallurgy including Ellingham diagram (basic), Analytical Chemistry.</p>	
(III) Backlog Vacancies – Group 'C'				
<ul style="list-style-type: none"> ➤ Except for typing test & English language test, the Questions paper & options will be in bi-lingual i.e. English & Hindi. ➤ Duration : 90 Minutes (1 ½ Hours) 				
Sl.No	Grade	Asst.Trainees	Syllabus	Duration of Test
7.	Office Assistant Trainees (OAT)	Human Resource	<p style="text-align: center;"><u>Part -1 (70 Questions – 80 minutes)</u></p> <p>English Language: Questions in this test will be set to assess the knowledge of English Language, its vocabulary, grammar, sentence structure, synonyms, antonyms etc. There will also be questions on comprehension of a passage.</p> <p>Numerical Aptitude: Questions will be designed to test the ability of arithmetical computation of whole numbers, decimals and fractions and relationship between numbers.</p> <p>Elementary knowledge of computers.</p> <p style="text-align: center;"><u>Part -2 (10 Minutes)</u></p> <p>Type-Writing Test (On computer)*: It shall consist of one paper of 'Running Matter' of 10 minutes duration.</p>	<p>Computer based written test consisting of 70 (MCQ)^ Questions followed with Typing test of 10 minutes.</p> <p>Each MCQ question will carry 1 mark. Negative marks of 0.2 (i.e. 1/5) marks for every one wrong answer will be deducted.</p> <p>^ MCQ = Multiple Choice Questions (consisting of 4</p>

			<p>To Qualify the test, the candidate has to type the provided content with a speed of not less than 30 words per minute in English with 92% accuracy will be eligible for selection.</p> <p>NB: * (1) Every omission of a word/figure, every substitution of a wrong word/figure (except transposition of words), each addition of a word/figure not found in the passage, every spelling error committed by way of repetition, or addition, or omission, or substitution of a letter/letters, repetition of word/figure, Incomplete words will be treated as Full Mistake.</p> <p>(2) Spacing Errors (i.e where no space is provided between two words), Wrong Capitalisation (i.e wrong typing of a capital letter for small letter or vice-versa), Punctuation Errors (i.e where the punctuation mark is omitted or added or substituted by another, Transposition Errors (i.e where words are transposed) and Paragraph Errors (i.e where the space given before starting of any paragraph is not uniform) will all be treated as Half Mistake.</p>	<p>choices which will have once correct answer)</p>
8.	Accounts Assistant Trainees	Finance	<p style="text-align: center;"><u>Part -1 (50 Questions)</u></p> <p>General Intelligence and Clerical Aptitude: It would include questions of both verbal and non-verbal type.</p> <p>The test will include questions on analogies, similarities and differences, space visualisation, problem-solving, analysis, judgement, decision-making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series, non-verbal series etc. The test will also include questions designed to test the candidate's ability to deal with abstract ideas and symbols and their relationships, arithmetical computations and other analytical functions.</p> <p>English Language: Questions in this test will be set to assess the knowledge of English Language, its vocabulary, grammar, sentence structure, synonyms, antonyms etc. There will also be questions on comprehension of a passage.</p> <p>Numerical Aptitude: Questions will be designed to test the ability of arithmetical computation of whole numbers, decimals and fractions and relationship between numbers.</p> <p>Elementary knowledge of computers.</p> <p style="text-align: center;"><u>Part -2 (30 Questions)</u></p> <p>Subject related Questions on finance & accounting. (Reference to B.Com syllabus)</p>	<p>Computer based written test consisting of 80 (MCQ)^ Questions @ 1 mark for each correct answer.</p> <p>Negative marks of 0.2 (i.e 1/5) marks for every one wrong answer will be deducted.</p> <p>The duration of the test will be 90 minutes.</p> <p>^MCQ = Multiple Choice Questions (consisting of 4 choices which will have one correct answer)</p>