



छत्रपति शाहू जी महाराज विश्वविद्यालय, कानपुर
CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR
(पूर्ववर्ती कानपुर विश्वविद्यालय, कानपुर)
Formerly Kanpur University, Kanpur 208024

पत्रांक: सी.एस.जे.एम.वि.वि./पा0स्व0वि0पो0पा0/115/2023

दिनांक: 06/04/2023

सूचना

विश्वविद्यालय परिसर में संचालित स्ववित्तपोषित योजनान्तर्गत विभिन्न स्कूल ऑफ स्टडीज हेतु शिक्षणेत्तर कर्मचारियों के नव सृजित एवं रिक्त पदों पर चयन हेतु सक्षम स्तर द्वारा निम्नोक्त चयन प्रक्रिया का निर्धारण किया गया है।

पद का नाम	चयन प्रक्रिया																												
Senior Establishment	साक्षात्कार-100% अधिभार																												
Accountant	लिखित परीक्षा-40% अधिभार Objective Type Test: Mark: 200 1- Balance sheet, Profit & Loss, Income & Expenditure 2- Ratio analysis 3- Funds flow Statement 4- Income Tax provisions effective for the assessment 2023-24 in context of salaried employees 5- GST Liability for Higher Education Institution 6- TDS Provisions with respect Income Tax & GST स्किल टेस्ट-45% अधिभार 1- Preparation of Account with help of Tally Software साक्षात्कार-15% अधिभार (चयन, उपरोक्त तीनों विशेषताओं के सकल योग पर निर्धारित योग्यता सूची के अनुसार)																												
Programmer/Web Developer	स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी) Skill Test*: Mark: 100 <table border="1"><tr><td>1</td><td>Basic programming skills</td><td>2</td><td>Relational Databases</td></tr><tr><td>3</td><td>Web Technology</td><td>4</td><td>Version Control System</td></tr></table> <p>*Programming/skill test exercises will be independent of programming languages.</p> लिखित परीक्षा-85% अधिभार Objective Type Test: Mark: 200 <table border="1"><tr><td>1</td><td>General Aptitude</td><td>2</td><td>Critical Reasoning</td></tr><tr><td>3</td><td>Numerical Ability</td><td>4</td><td>Data Structures</td></tr><tr><td>5</td><td>Basic Algorithms</td><td>6</td><td>Basic Cryptography & Network Security</td></tr><tr><td>7</td><td>Networking Fundamentals</td><td>8</td><td>Relational Databases</td></tr><tr><td>9</td><td>Web Technology</td><td>10</td><td>Software Engineering</td></tr></table> साक्षात्कार-15% अधिभार (चयन, उपर्युक्त दोनों विशेषताओं के सकल योग पर निर्धारित योग्यता सूची के अनुसार)	1	Basic programming skills	2	Relational Databases	3	Web Technology	4	Version Control System	1	General Aptitude	2	Critical Reasoning	3	Numerical Ability	4	Data Structures	5	Basic Algorithms	6	Basic Cryptography & Network Security	7	Networking Fundamentals	8	Relational Databases	9	Web Technology	10	Software Engineering
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Junior Server Administrator	स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी) Skill Test*: Mark: 100																												



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	<p>1. Client Site configuration & creation of virtual machine 2. Fire wall configuration 3. Server configuration</p> <p>लिखित परीक्षा Objective Type Test: Mark: 200</p> <table border="1"> <tr> <td>1</td> <td>Linux</td> <td>2</td> <td>Web Server Configuration</td> </tr> <tr> <td>3</td> <td>Windows Server</td> <td>4</td> <td>Active Directory</td> </tr> <tr> <td>5</td> <td>AWS</td> <td>6</td> <td>Sophos Firewall</td> </tr> <tr> <td>7</td> <td>SAN Storage</td> <td>8</td> <td>LAN Creation</td> </tr> <tr> <td>9</td> <td>LAN Mapping</td> <td>10</td> <td>NATting in Sophos</td> </tr> <tr> <td>11</td> <td>VPN Creation in Sophos</td> <td></td> <td></td> </tr> </table> <p>(चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>	1	Linux	2	Web Server Configuration	3	Windows Server	4	Active Directory	5	AWS	6	Sophos Firewall	7	SAN Storage	8	LAN Creation	9	LAN Mapping	10	NATting in Sophos	11	VPN Creation in Sophos														
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Junior Network Administrator	<p>स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी)</p> <p>Skill Test*: Mark: 100</p> <table border="1"> <tr> <td>1</td> <td>Network Security Protocol</td> <td>2</td> <td>Cabling</td> </tr> <tr> <td>3</td> <td>Router configuration</td> <td>4</td> <td>Access Point configuration</td> </tr> <tr> <td>5</td> <td>Configuration of wi-fi</td> <td>6</td> <td>Switch configuration</td> </tr> </table> <p>लिखित परीक्षा Objective Type Test: Mark: 200</p> <table border="1"> <tr> <td>1</td> <td>VLAN, Trunk and DTP</td> <td>2</td> <td>VTP</td> </tr> <tr> <td>3</td> <td>Port Security</td> <td>4</td> <td>Static routes</td> </tr> <tr> <td>5</td> <td>ACLs</td> <td>6</td> <td>Dynamic routing protocols: RIP, OSPF, EIGRP, BGP</td> </tr> <tr> <td>7</td> <td>CDP/LLDP</td> <td>8</td> <td>NAT</td> </tr> <tr> <td>9</td> <td>WAN technologies</td> <td>10</td> <td>Hardening networking equipment</td> </tr> <tr> <td>11</td> <td>Ethernet</td> <td></td> <td></td> </tr> </table> <p>(चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>	1	Network Security Protocol	2	Cabling	3	Router configuration	4	Access Point configuration	5	Configuration of wi-fi	6	Switch configuration	1	VLAN, Trunk and DTP	2	VTP	3	Port Security	4	Static routes	5	ACLs	6	Dynamic routing protocols: RIP, OSPF, EIGRP, BGP	7	CDP/LLDP	8	NAT	9	WAN technologies	10	Hardening networking equipment	11	Ethernet		
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Hardware Support Technician	<p>स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी)</p> <p>Skill Test*: Mark: 100</p> <table border="1"> <tr> <td>1</td> <td>Installation of Printer</td> <td>2</td> <td>Troubleshooting of Computer</td> </tr> <tr> <td>3</td> <td>OS Installation</td> <td>4</td> <td>Networking Troubleshooting</td> </tr> <tr> <td>5</td> <td>Computer Hardware Maintenance</td> <td></td> <td></td> </tr> </table> <p>लिखित परीक्षा Objective Type Test: Mark: 200</p> <table border="1"> <tr> <td>1</td> <td>Fundamentals of Computer</td> <td>2</td> <td>Fundamentals of Operating System</td> </tr> <tr> <td>3</td> <td>Word Processing</td> <td>4</td> <td>Spreadsheet</td> </tr> <tr> <td>5</td> <td>Presentation</td> <td>6</td> <td>Fundamentals of Internet and WWW</td> </tr> <tr> <td>7</td> <td>E-mail, Social Networking and e-Governance Services</td> <td></td> <td></td> </tr> </table> <p>(चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>	1	Installation of Printer	2	Troubleshooting of Computer	3	OS Installation	4	Networking Troubleshooting	5	Computer Hardware Maintenance			1	Fundamentals of Computer	2	Fundamentals of Operating System	3	Word Processing	4	Spreadsheet	5	Presentation	6	Fundamentals of Internet and WWW	7	E-mail, Social Networking and e-Governance Services										
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Technical Assistant Computer Application/ Computer Sci. & Eng. Mechanical Eng. Agriculture Sci. & Tec. Physics Chemistry	स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी)																				
	Skill Test*: Mark: 100 Computer Application/Computer Sciences & Engineering Installing new hardware and software, Troubleshooting, implementing repairs and updates to computer systems. Database Concepts, Digital Logic, Computer Organization and Architecture, Basic Programming concepts (Java/ C/ C++) and Data Structures, Algorithms, Data Analytics Languages (Python3 /R), AI/ ML, Operating System, Networking Concepts, Information & Cyber Security Concepts Mechanical Engineering Agriculture Sci. & Tec.																				
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	Physics 1. To measure diameter of a pencil with help of vernier caliper. 2. To identify value of two resistance with help of colour code. 3. Verification of Ohm's Law with help of a battery, volt meter a-meter, rheostat. 4. To plot a graph through MS Excel with given set of data point.																				
	Chemistry BOD, COD, ph meter, conductivity meter, distillation assembly. Objective Type Test: Mark: 200 MCQ Question based on Syllabus of Diploma (Mechanical Engineering)																				
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Mechanical Engineering Objective Type Test: Mark: 200 MCQ Question based on Syllabus of Diploma (Mechanical Engineering)																					
Agriculture Sci. & Tec. Layout and establishment of orchards; pruning and training; propagation, climatic requirement and cultivation of fruits like mango, banana, guava, grape, pineapple, papaya, apple, pear, peach and plum; cultivation of plantation crops like coconut and cashew nut and spices like black pepper, coriander, turmeric, important physiological disorders; major vegetable crops of tropical, subtropical and temperate regions like cole crops (cauliflower, cabbage and knoll khol), cucurbits (pumpkin,																					



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bottlegourd, bittergourd, luffa, muskmelon and watermelon, cucumber), root crops (radish, tapioca sweet potato and potato), leafy vegetables (fenugreek and spinach); solanaceous crops (tomato, chillies and brinjal); techniques for raising the nursery; nutritive value of fruits and vegetables and their role in human nutrition; basic physiology of ripening in fruits and vegetables and their products; type of fruits and vegetable products and control of fungal and bacterial diseases; major floricultural crops grown in India for commercial purposes like rose, carnation, chrysanthemum, marigold, tuberose, gladiolus, orchids; establishment and maintenance of lawns, trees, shrubs, creepers, hedges and annuals; type of gardens, methods of crop improvement; male sterility and incompatibility; pure line and pedigree selection; backcross, mass selection; heterosis; plant nutrients, deficiency symptoms of nutrients, manures and fertilizers, systems of irrigation, management of important pests and diseases of fruits and vegetables.

Physics

1. Measurement of wavelength of He-Ne laser using a steel scale.
2. Passive Filter
3. Resolving power of prism
4. Young's Modulus and Poisson's ratio of glass by Cornu's fringes
5. Verification of Fresnel's formula
6. Thermal and electrical conductivity of copper and thermal conductivity of a poor conductor
7. Verification of Curie and Weiss law for a ceramic capacitor
8. Calibration of a silicon diode and copper constantan thermocouple against Pt Resistance thermometer
9. Measurement of inductance and capacitance and study of LCR series and parallel
10. I-V characteristics of Silicon controlled rectifier
11. I-V characteristics of Uni-junction transistor
12. MOSFET characteristics.
13. Measurement of inductance and capacitance using AC bridges
14. AC Experiments Measurements of L and C and Series and parallel Resonant circuits.
16. Rigidity modulus of a brass wire.
17. Measurement of resistivity of semiconductor by four probe method and determination of band gap.
18. Measurement of Hall coefficient of given semiconductor to estimate charge carrier.
19. Measurement of thermal and electrical conductivity of copper and determination of Lorentz number.
20. B-H curve of a ferromagnetic material.
21. Measurement of polarizability of nonpolar liquid and dipole moment of polar liquid.
22. Dielectric constant of solid(Wax) by Lecher wire

Chemistry

Theory/Objective Type Test: Mark: 400

Inorganic Chemistry:Qualitative semimicro analysis of mixtures of anions,cations,interfering radicals. Oxidation-Reduction Titration, Acid-Base Titrations, Iodo / Iodimetric Titrations, complexometric titration,Gravimetric Analysis, Chromatography of metal ions, Solvent Extractions, Spectrophotometry, Inorganic complex Preparations.

Physical Chemistry:Surface tension measurements, Viscosity measurement using Ostwaldts viscometer, pH metry,Conductometry, Potentiometry, Determination of heat capacity, Determination of enthalpy Determination of basicity / proticity, Calculation of the enthalpy, Study the kinetics, Phase equilibria, Determination of critical solution temperature and composition, Polymer synthesis.

Organic Chemistry:Purification of organic compounds by crystallization, Determination of the melting points, Effect of impurities on the melting point, Detection

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	<p>ofextra elements, Functional group test for nito, amine and amide,alcohols, phenols, carbonyl and carboxylic acid groups, Organic preparations. (चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>
Data Entry Operator	<p>स्किल टेस्ट Soft skill test in computing (Computer based practical test with maximum marks 100) Use of Microsoft package to create a document/database & export/import of this information among different software of Microsoft office. Typing Skill minimum eligibility 25 wpm in Hindi and 30 wpm in English (candidate scoring these level collectively will be deemed to have score 60% Marks. (स्किल टेस्ट में उत्तीर्ण होने के लिए उपरोक्त दोनों विशेषताओं में स्वतंत्र रूप से न्यूनतम अर्हकारी अंक [60%] प्राप्त करना अनिवार्य हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी) लिखित परीक्षा Objective Type Test: Mark: 200 1- Fundamentals of Computer 2- Fundamentals of GUI Based Operating System 3- Fundamentals of Word Processing 4- Spreadsheet (चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>
Junior Establishment Officer	<p>लिखित परीक्षा-60% अधिभार Objective Type Test: Mark: 200 1- CCS Leave rules 2- Fundamentals of Disciplinary Proceeding 3- Major & minor Punishment & its consequences 4- Drafting of minutes of meeting प्रस्तुतीकरण-25% अधिभार साक्षात्कार-15% अधिभार (चयन, उपरोक्त तीनों विशेषताओं के सकल पर निर्धारित योग्यता सूची के आधार पर)</p>
Senior Lab Technician	<p>स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी) Skill Test*: Mark: 100 1. Test for ketone Bodies in given urine sample. 2. Perform the process of peripheral blood smear making and stain it. 3. Perform SGPT & SGOT tests of given serum sample 4. Identify the colony of bacteria on given culture plate by gram's on given culture plate by gram's staining 5. Perform CBC. लिखित परीक्षा Objective Type Test: Mark: 200 Blood Banking and Immune Haematology • Blood Group- methods of grouping and ungrouping • Methods of determination of PCV • Blood transfusion and hazards • Methods of estimation of Hemoglobin</p>



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	<p>Basic Haematology</p> <ul style="list-style-type: none">Origin, Development, and morphology of Blood cellsComposition of blood and its functionsBasic concepts of Anaemia, Leukaemia, and hemorrhagic disorderBleeding time, clotting time, prothrombin time, PTTClotting disorder tests & test for bleeding disorders <p>Clinical Pathology (body fluids) and Parasitological</p> <ul style="list-style-type: none">The Microscope- Types, Parts, Cleaning, and CareReception of PatientsExamination of Body FluidsExamination of Urine and sputum. <p>Clinical Biochemistry</p> <ul style="list-style-type: none">Disorders of CarbohydratesNutritional DisordersClinical EnzymologyKidney function testsLiver function testsAutoimmune diseasesMetabolic disorder testsLipid Profile tests <p>Microbiology & Immunology</p> <ul style="list-style-type: none">Examination of stool for ova and parasitesMedias used in labLaboratory diagnosis of various bacterial infections.Biosafety measuresAntibiotic sensitivity testingAntigensAntibodiesTypes of Antigens & antibodiesImmunoglobulinsAntigen & antibody reactions <p>(चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>
Physiotherapist	<p>स्किल टेस्ट (स्किल टेस्ट में उत्तीर्ण होने के लिए न्यूनतम अर्हकारी अंक 60% हैं। अर्हकारी प्राप्तांक प्राप्त करने वाले अभ्यर्थी को ही चयन के द्वितीय चरण में सम्मिलित होने की अनुमति होगी)</p> <p>Skill Test*: Mark: 100</p> <ol style="list-style-type: none">Show types of placement of S.W.D. electrodes.Show Mobilization of shoulder joint in PA Shoulder.Placing of electrodes of IFT & TENS in LBPEnumerate use of Ultrasound TherapyAdvice various exercises for OA knee & LBP. <p>लिखित परीक्षा</p> <p>Objective Type Test: Mark: 200</p> <p>Electrotherapy</p> <ul style="list-style-type: none">Low frequency, IFT, TNSMotor nerve activationMagnetic energy to valves & condensersElectrical fundamentalsUV & Hydro collateral



छत्रपति शाहू जी महाराज विश्वविद्यालय, कानपुर
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	<ul style="list-style-type: none">• I.R.R• Cryotherapy• High-frequency current – Treatment• Electro-diagnostic therapeutic hear• Low-frequency current• Muscle stimulation• S W D, US Microwave <p>Exercise Therapy</p> <ul style="list-style-type: none">• Massage• Posture, Coordination & Breathing exercise• Suspension Therapy• Passive, Active, Assisted, Resisted Movement• Yoga, Joint & Joint analysis• P.N.F., Joint movement• Muscle Strength• Muscle Assessment <p>Biomechanics & Kinesiology</p> <ul style="list-style-type: none">• Structure and function of shoulder complex• Structure and function of knee complex• Structure and function of hip complex• Structure and function of elbow complex <p>Physiotherapy in Orthopaedics Conditions</p> <ul style="list-style-type: none">• Fracture, dislocation & Amputation• Inflammatory conditions & deformity• Operative procedures• Soft tissue injuries & Arthritis• Paraplegic quadriplegia rehabilitation <p>Physiotherapy in Neurological & Surgical Conditions</p> <ul style="list-style-type: none">• Spinal surgery• Chest Physiotherapy• Plastic surgery• Anti natal & post-natal physiotherapy• Pre and post-operative physiotherapy• Cervical & Lumbar spondylosis• Role of Physiotherapy in surgery• Disc prolapse• Neuro Surgical conditions with traumatic brain injuries• Management in Abdominal surgery• Lobectomy• Postural drainage• Burns• Spinal Cord injuries <p>(चयन, लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)</p>
Training & Placement Officer	लिखित परीक्षा-40% अधिभार Objective Type Test: Mark: 200 1- General Aptitude and Verbal Reasoning 2- Communication Skills(English) 3- Human Resource Management & Development 4- OrganizationalBehaviors& Industrial Relations



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	प्रस्तुतीकरण-45% अधिभार साक्षात्कार-15% अधिभार (चयन, उपरोक्त तीनों विशेषताओं के सकल योग पर निर्धारित योग्यता सूची के अनुसार)
Lab Assistant Agriculture Sci. & Tec. School of Language Psychology School of Basics Sciences	स्िकल टेस्ट Capable to handle equipments/chemicals/Glass wares of concerned lab. लिखित परीक्षा Lab Assistant:(Agriculture, Language, Psychology, Basic Science) Objective Type Test: Mark: 200 1- General Aptitude 2- Critical Reasoning 3- Numerical Ability (लिखित परीक्षा के प्राप्तांक के आधार पर निर्धारित योग्यता सूची के अनुसार)

कुलसचिव