



UTTAR PRADESH PUBLIC SERVICE COMMISSION

Advertisement No.-
A-2/E-1/2026
Date: 03.08.2026

- 1. Manager (System) Examination-2026, 2. Senior Programmer Examination-2026,
3. Programmer Grade-2 Examination-2026, 4. Computer Operator Grade-B Examination-2026**
Date Of Commencement Of On-line Application : 03.08.2026
Last Date for Payment of Examination Fee in the Bank & Submission of On-line Application: 03.09.2026
Last Date for Correction/Modification in submitted On-line Application & Fee Reconciliation: 10.09.2026

IMPORTANT

- (1) (a) It is mandatory for the candidates to make One Time Registration (O.T.R.) and obtain O.T.R. number before applying online.
(b) Those candidates who have not obtained O.T.R. number, must obtain it from commission's website <https://otr.pariksha.nic.in> 72 hours before the submission of online application.
(c) Only after obtaining O.T.R. number a candidate may submit online application through commission's website <https://uppsc.up.nic.in>.

- (2) At the time of online application the candidates are directed to ensure the preservation of information regarding all the stages (i.e. O.T.R., Fee payment, Final submission, Qualification related modification/error correction etc.) in soft/hard copy for future references.
(3) It is clarified to the candidates that at the stage of examination, the hard copy of the documents and Online Application should not be sent to the commission.
(4) The candidates must send hard copy of their on-line applications and enclose self attested copies of all marksheets and certificates in support of their claims rendered in the online application when asked for. In this connection, a separate press communique shall be published in due course by the commission.

SPECIAL NOTICE :-

- (a) The candidates will be entirely responsible for on-line submission of application. The application of the candidate will be accepted only after the payment of the fee in the bank till the last date of fee submission.
(b) Candidates are directed to visit the website of the commission continuously for updates. All future information/instructions will be sent to the registered mobile number and email ID as linked in O.T.R. by SMS or email.

1. IMPORTANT INFORMATION FOR CANDIDATES APPLYING ONLINE

This advertisement is on the website of the commission <https://uppsc.up.nic.in>. 'O.T.R. BASED APPLICATION' system is applicable for applying against this advertisement. Application sent through any other medium will not be accepted. Therefore, candidates have to apply online only.

The candidates applying online are expected to go through the following instructions thoroughly and apply accordingly:- When the candidate clicks on the "ALL NOTIFICATIONS/ADVERTISEMENTS" in the Commission's website <https://uppsc.up.nic.in>, the 'ONLINE ADVERTISEMENTS' will automatically be displayed, which has following 3 parts:-

- User Instructions
- View Advertisement
- Apply

The Instructions for filling Online form have been given in User Instructions. The candidates desirous to see the respective advertisement will have to click on "View Advertisement". Thereafter, a full advertisement will be displayed alongwith Sample Snapshots of Online Application procedure.

'Online Application' will be completed in four stages :-

First Stage:- On clicking 'Apply', 'Authenticate with O.T.R.' will be displayed with respect to the examination and on clicking 'Authenticate with O.T.R.', 'Have You Completed Your O.T.R. Registration' will be displayed, in which the candidate will have to tick 'Yes' or 'No'. If the candidate:-

- Ticks on 'Yes' and clicks on 'Go' button, then 'Enter your O.T.R. Number' will be displayed wherein he/she has to fill O.T.R. Number and click on 'Proceed' button. On clicking 'Proceed' button, 'Click here to Authenticate' will be displayed, clicking whereupon the candidate may authenticate through O.T.P. received on his/her registered mobile no./email ID or O.T.R. password. Having completed the process of Authentication, all personal details of the candidate (as filled in O.T.R.) will be displayed automatically. The candidate will have to fill only essential qualification as required for the post.

- Ticks on 'No' and clicks on 'Go' button:- (a) First of all, the candidate has to obtain One Time Registration Number from O.T.R. Web-portal (<https://otr.pariksha.nic.in>) of the Commission. (b) After obtaining O.T.R. number the candidate will have to apply online according to the process adopted in First Stage.

Second Stage:- The First Stage procedure having been completed the 'Applicant Dashboard' will automatically be displayed on the screen. The candidate will have to click on 'Submit Details' under 'Application Part-2' against applied post, thereafter the permanent and correspondence address along with application form will automatically be displayed on the screen from O.T.R. along with the preferential qualifications prescribed for the post. The candidate will have to choose Yes/No option against each preferential qualification.

Third Stage:- After the completion of the procedure of Second Stage, 'Fee Confirmation Window' will automatically be displayed on the screen under which upon clicking on 'Yes' option in front of 'Proceed for fee payment' Home Page of 'SBI MOPS' will be displayed comprising of 03 modes of payment:- (i) NET BANKING (ii) CARD PAYMENTS and (iii) OTHER PAYMENT MODES.

After payment of the required fee by any one of the above prescribed modes, 'Payment Transaction Slip' shall be displayed alongwith detail of fee payment, the print of which must be taken by clicking on 'Printer Icon'. In the event of 'Payment Failed' the candidate has to go to 'Candidate Dashboard Login' and after filling the O.T.R. number proceed to authenticate through O.T.P. or O.T.R. password and after login click on 'Pending Payment' to pay the fee, compulsorily for online application.

Note: It is mandatory to make payment of examination fee in the bank of 'ONLINE APPLICATION' Process by the candidate till the last date and time fixed for it. Candidates should take a print out of the same and keep it safe.

Fourth Stage:- After completing the procedure of the Third Stage the application form of the candidate will automatically be displayed on screen, the print of which may be obtained by the candidate. The candidate will have to take the print of online application and keep it safe with himself/ herself to produce it in the office of the commission when required in case of any discrepancy, else his/her request/ claim will not be accepted. After applying, in

case of any modification in the qualification of applied post, the candidate may click on 'Candidate Dashboard Login' of 'Home Page' to modify it only once till last date for correction/modification and time fixed for it.

Special Instructions

- The category, sub-category, domicile, gender, date of birth, E.W.S., creamy layer, name and address as claimed by the candidates till the last date/modification date of online application only will be considered valid. No representation for any change will be entertained after the last date. On fetching wrong information, the candidature will be treated as cancelled.
- If at any stage, it comes to the knowledge of the commission that the candidate has concealed or misrepresented any information, his/her candidature shall be rejected and proceeding to debar him/her from this examination and all future examinations and selections and also other punitive actions shall be initiated.
- As per decision of the UPPSC, a candidate will be liable to be debarred from this selection and all other future examinations and selections upto a maximum period of five years for furnishing any wrong information in his/her application form which cannot be substantiated by relevant documents or for any other malpractice.
- If any change is to be made in the personal detail mentioned in the O.T.R. it will be mandatory to Synchronise it on the Dashboard after that change, otherwise change will not be allowed. In this regard any on-line/off-line representation will not be accepted for error correction/amendment. Incomplete application will be cursorily rejected and no correspondence will be entertained in this regard.
- The candidature of such candidates who are subsequently found ineligible according to the terms laid down in advertisement will be cancelled and their any claim for the examination will not be entertained. The decision of the Commission regarding candidature/selection of the candidates shall be final.
- The application/candidature will be rejected/cancelled, if the application form is not submitted on prescribed format, date of birth is not mentioned or wrong date of birth is mentioned, candidate is overage, under age, does not possess the minimum educational qualifications, applications received after last date and cases of no signature under declaration in the format and no correspondence/representation in this regard shall be entertained.
- The Commission may admit the candidates provisionally after summarily checking their applications but if it is found at any stage that applicant was not eligible or his/her application was not entertainable initially, his/her candidature will be rejected and if the candidate is selected and recommended by the Commission, the recommendation made by the Commission for the appointment shall be withdrawn.
- In the event of involvement of a candidate in the concealment of any important information, pendency of any case / criminal case, conviction, more than one husband or wife being alive, submission of facts in a distorted manner, malpractice, canvassing for candidature/selection etc, the Commission reserves the right to reject the candidature and debar him from appearing in the selection in question and in all other future examinations and selections.
- (a) After the examination or when asked for candidates must submit the hard copy of their online application alongwith self-attested copies of all marksheets and certificates in support of all claims made in the online application and any other information/document required by the advertisement within the prescribed period as per the Commission's instructions; otherwise, their candidature will be cancelled.
(b) In case the candidates present at the time of document verification do not present the required documents, it will be mandatory for them to submit the same within the period prescribed for this purpose as per the decision of the Hon'ble commission. In case the candidate does not present the required documents within the said period, the candidature of the candidate will be cancelled. If any candidate does not appear for document verification on the date prescribed for verification of original documents, assuming that he/she is not interested for the post in question, his candidature will be cancelled.

2. Application Fee: After completing the process of First and Second Stage in the online application process, deposit the fee category wise as per the instructions given in the Third Stage. The prescribed fee of examination for different categories is as under:-

(i) Unreserved/Economically Weaker Sections/ Other Backward Classes	- Exam fee Rs. 200/- + On-line processing fee Rs. 25/- Total = Rs. 225/-
(ii) Scheduled Castes/ Scheduled Tribes	- Exam fee Rs. 80/- + On-line processing fee Rs. 25/- Total = Rs. 105/-
(iii) Persons with disabilities (PWDs)	- Exam fee Rs. NIL/- + On-line processing fee Rs. 25/- Total = Rs. 25/-
(iv) Ex-Servicemen	- Exam fee Rs. 80/- + On-line processing fee Rs. 25/- Total = Rs. 105/-
(v) Dependents of the Freedom Fighters/ Women/Skilled Player	- According to their original category

3. The U.P. Public Service Commission shall hold separate examinations at various centers of the district/districts of Uttar Pradesh for selecting suitable candidates for the posts of Manager (System), Senior Programmer, Programmer Grade-2, and Computer Operator Grade-B. For the posts of Manager (System), Senior Programmer and Programmer Grade-2 the selection will be made on the basis of marks obtained by the candidates in examination and for the post of Computer Operator Grade-B, the selection will be made on the basis of total marks obtained by the candidates in examination and Hindi & English type test.

According to THE UTTAR PRADESH PUBLIC SERVICES (RELAXATION OF AGE LIMIT AND WEIGHTAGE FOR RESEARCH SCHOLARS OF CHIEF MINISTER FELLOWSHIP FOR COMPETITIVE EXAMINATIONS) RULES, 2026:-

The Research Scholar of Chief Minister Fellowship Programme, who have obtained a certificate of successful completion of their tenure from the competent authority till the last date of submission of application as per advertisement will be given the following weightage in the examination to be conducted by the Commission:-																																																																																										
S. N.	Maximum marks prescribed in the examination					Weightage																																																																																				
						Research Scholars who have completed 01 year duration	Research Scholars who have completed 02 years duration	Research Scholars who have completed 03 years or more duration																																																																																		
1.	Up to 100 marks					1.0 marks	2.0 marks	3.0 marks																																																																																		
2.	101 to 500 marks					1.5 marks	3.0 marks	4.5 marks																																																																																		
3.	501 to 1000 marks					2.0 marks	4.0 marks	6.0 marks																																																																																		
4.	More than 1000 marks					2.5 marks	5.0 marks	7.5 marks																																																																																		
NOTE:- The cut off date for calculation of weightage will be the last date of submission of application as per advertisement. The date and centre of examination decided by the Commission will be intimated to the candidates by means of their e-Admission certificate. 4. No. of Vacancies:- Presently, the number of vacancies for Manager(System)/Senior Programmer/Programmer Grade-2/Computer Operator Grade-B Examination-2026 is 10. The post-wise/reservation-wise details of vacancies are as follows:- Manager(System), Industrial Development Department <table><tr><td>Total</td><td>UR</td><td>SC</td><td>ST</td><td>OBC</td><td>EWS</td><td>Ex. Servicemen</td><td>P.H.</td><td>D.F.F.</td><td>Female</td></tr><tr><td>01</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr></table> Note:- (i) For the post of Manager (System), only O.L., B.L., H.H., L.C., Dw., and A.A.V. sub-categories of persons with disabilities (PwDs) are identified. (ii) The number of vacancies may increase/decrease depending upon circumstances/requirements. Nature of Post: Group-B (Computer Cadre), Non-Gazetted. Pay Scale: 15,600–39,100/-, Grade Pay: 5,400/- Senior Programmer, Industrial Development Department <table><tr><td>Total</td><td>UR</td><td>SC</td><td>ST</td><td>OBC</td><td>EWS</td><td>Ex. Servicemen</td><td>P.H.</td><td>D.F.F.</td><td>Female</td></tr><tr><td>01</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr></table> Note:- (i) For the post of Senior Programmer, only O.L., B.L., H.H., L.C., Dw., and A.A.V. sub-categories of persons with disabilities (PwDs) are identified. (ii) The number of vacancies may increase/decrease depending upon circumstances/requirements. Nature of Post: Group-C (Computer Cadre), Non-Gazetted., Pay Scale: 9,300–34,800/-, Grade Pay: 4,600/- Programmer Grade-2, Directorate Of Financial Planning And Resources <table><tr><td>Total</td><td>UR</td><td>SC</td><td>ST</td><td>OBC</td><td>EWS</td><td>Ex. Servicemen</td><td>P.H.</td><td>D.F.F.</td><td>Female</td></tr><tr><td>01</td><td>01</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td><td>00</td></tr></table> Note:- (i) For the post of Programmer Grade-2, no sub-category of persons with disabilities (PwDs) is identified. (ii) The number of vacancies may increase/decrease depending upon circumstances/requirements. Nature of Post: Group-B, Non-Gazetted., Pay Scale: Level-7, Rs. 44,900–1,42,400/- Computer Operator Grade-B, Uttar Pradesh Public Service Commission <table><tr><td>Total</td><td>UR</td><td>SC</td><td>ST</td><td>OBC</td><td>EWS</td><td>Ex. Servicemen</td><td>P.H.</td><td>D.F.F.</td><td>Female</td></tr><tr><td>07</td><td>04</td><td>01</td><td>00</td><td>02</td><td>00</td><td>00</td><td>00</td><td>00</td><td>01</td></tr></table> Note:- (i) For the post of Computer Operator Grade-B, no sub-category of persons with disabilities (PwDs) is identified. (ii) The number of vacancies may increase/decrease depending upon circumstances/requirements. Nature of Post: Group-C, Non-Gazetted., Pay Scale: 5,200–20,200/-, Grade Pay: 2,800, Matrix Level–5.											Total	UR	SC	ST	OBC	EWS	Ex. Servicemen	P.H.	D.F.F.	Female	01	01	00	00	00	00	00	00	00	00	Total	UR	SC	ST	OBC	EWS	Ex. Servicemen	P.H.	D.F.F.	Female	01	01	00	00	00	00	00	00	00	00	Total	UR	SC	ST	OBC	EWS	Ex. Servicemen	P.H.	D.F.F.	Female	01	01	00	00	00	00	00	00	00	00	Total	UR	SC	ST	OBC	EWS	Ex. Servicemen	P.H.	D.F.F.	Female	07	04	01	00	02	00	00	00	00	01
Total	UR	SC	ST	OBC	EWS	Ex. Servicemen	P.H.	D.F.F.	Female																																																																																	
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5. Reservation: The reservation for Scheduled Castes of U.P./Scheduled Tribes of U.P/ Other Backward Class candidates of U.P./Economically Weaker Section candidates of U.P. shall be admissible in accordance with the provisions of relevant Govt. Rules. Similarly, reservation for horizontal categories as Dependents of Freedom Fighters of UP, Female candidates, Ex-Servicemen of U.P. and P.H. of U.P. shall be admissible on settlement of vacancies as per rules. Reservation for P.H. of U.P. shall be permissible for the notified / identified Posts. Note: (1) उ०प्र० के समाज के दिव्यांग अभ्यर्थियों के लिए शासन द्वारा अधिसूचित (चिन्हित) किये गये पदों पर चयन के संबंध में जारी कार्यालय ज्ञाप सं०-5/2022/18/1/2008/47/का-2/2022, दिनांक-18 अप्रैल, 2022 के बिन्दु-5 (अनारक्षित शिक्तियों पर नियुक्ति) में प्राविधान नियमानुसार किया गया है- दिव्यांगता से ग्रस्त व्यक्तियों के लिए उपयुक्त चिन्हित किये गये पदों में दिव्यांगता से ग्रस्त व्यक्ति को किसी अनारक्षित शिक्ति पर नियुक्ति के लिए प्रतिस्पर्धा करने से मना नहीं किया जा सकता है अर्थात् दिव्यांग से ग्रस्त व्यक्ति को किसी अनारक्षित शिक्ति पर नियुक्त किया जा सकता है बशर्त कि पद संगत श्रेणी की दिव्यांगता से ग्रस्त व्यक्तियों के लिए चिन्हित किया गया हो। (2) शासनादेश संख्या-39 रिट/का-2/2019, दिनांक-26 जून, 2019 द्वारा शासनादेश संख्या- 18/1/ 99/का-2/2006, दिनांक-09 जनवरी, 2007 के प्रस्तर-4 में दिये गये प्राविधान, "यह भी स्पष्ट किया जाता है कि राज्याधीन लोक सेवाओं और पदों पर सीधी भर्ती के प्रक्रम पर महिलाओं को अनुमत्य उपरोक्त आरक्षण केवल उत्तर प्रदेश की मूल निवासी महिलाओं को ही अनुमत्य है", को रिट याचिका संख्या-11039/2018 विपिन कुमार मौर्या व अन्य बनाम उत्तर प्रदेश राज्य व अन्य तथा सम्बद्ध 6 अन्य रिट याचिकाओं में मा. उच्च न्यायालय, इलाहाबाद द्वारा दिनांक- 16.01.2019 को अधिकारालीत (ULTRAVIRES) घोषित करने सम्बन्धी निर्णय के अनुपालन में शासनादेश दिनांक-09.01.2007 से प्रस्तर-04 को विलोपित किए जाने का निर्णय लिया गया है। उक्त निर्णय शासन द्वारा मा० उच्च न्यायालय के आदेश दिनांक-16.01.2019 के विरुद्ध दायर विशेष अपील (डी) संख्या-475/2019 में मा० उच्च न्यायालय द्वारा पारित होने वाले अन्तिम निर्णय के अधीन होगा। (3) ई. डब्ल्यू एस. श्रेणी के अभ्यर्थियों द्वारा उनकी श्रेणी का प्रमाण-पत्र कार्मिक अनुभाग के कार्यालय-ज्ञाप सं०-1/2019/4/1/2002/का-2/19 दी सी-1। दिनांक 18.02.2019 के अनुरूप समस्त स्रोतों से प्राप्त आय आरक्षण हेतु आवेदन करने के वर्ष के पूर्व वर्ष का ही मान्य होगा। (4) कुशल खिलाड़ियों हेतु नियुक्ति अनुभाग-4 के कार्यालय ज्ञाप संख्या-बी-52/दे-4/75-नियुक्ति-4, दिनांक 11 फरवरी, 1975 एवं शासनादेश संख्या-22/21/1983-कार्मिक-2, दिनांक 28 नवम्बर, 1985 और उत्तर प्रदेश सरकारी विभाग (उत्कृष्ट खिलाड़ियों की समूह-ग' के पदों पर सीधी भर्ती) नियमावली, 2022, दिनांक 07 जनवरी, 2022 के प्राविधानानुसार कार्यवाही की जायेगी। (5) The Scheduled Caste, Scheduled Tribes, Other Backward Class, Economically Weaker Sections (E.W.S.), Dependents of Freedom Fighters, P.H., Skilled players of classified games and Ex-Servicemen candidates who are not the permanent residents of U.P. shall not be given the benefit of reservation/age relaxation. (6) Candidates of any reserved category of UP., if they want the benefit of reservation,																																																																																										

	समस्त उपाधियों स्नातक के रूप में मान्य होगी। (2) मानव संसाधन विकास मंत्रालय (शिक्षा मंत्रालय), भारत सरकार द्वारा मान्यता प्राप्त विभिन्न व्यवसायिक निकायों/संस्थानों द्वारा संचालित तकनीकी पाठ्यक्रमों में प्रदान की गई स्नातक स्तर की उपाधियाँ, मानव संसाधन विकास मंत्रालय (शिक्षा मंत्रालय) तथा अखिल भारतीय तकनीकी शिक्षा परिषद (AICTE) द्वारा समय-समय पर निर्गत दिशा-निर्देशों के अधीन स्नातक के समकक्ष मान्य किये जायेंगे। (3) किसी प्रकार के असमंजस की स्थिति में केन्द्र सरकार/संबंधित राज्य सरकार/विनियामक निकायों से, जैसी भी स्थिति हो, संबंधित आयोगों द्वारा जानकारी प्राप्त की जा सकती है। (4) उपर्युक्त समतुल्यता केवल उ०प्र० राज्य में लोक सेवा आयोग/अधीनस्थ सेवा आयोग एवं अन्य भर्ती संस्थानों द्वारा सेवा-नियमावलीयों में विहित स्नातक एवं समकक्ष अर्हता के लिए मान्य होगा। Preferential qualification: A candidate who has: (i) served in the Territorial Army for a minimum period of two years, or (ii) obtained a 'B' certificate of National Cadet Corps, shall, other things being equal, be given preference in the matter of direct recruitment.	examination certificate with the application form. No other certificate shall be acceptable for Date of Birth and if it is not attached with the application form, it shall be rejected. (2) The candidates will have to enclose self attested copies of Mark sheets, Certificates & Degrees along with the application form of examination in support of their claims of Educational Qualifications. If they do not enclose self attested copies of certificates/ documents in support of their claims, the application shall be rejected. (3) The benefit of reservation to the categories of Physically Handicapped persons of society shall be given only on the posts which shall be identified by the Government for their Sub category. For this benefit, the Handicapped persons must produce a certificate of being handicapped in that Sub category issued by prescribed Medical Officer/ Specialist and counter signed by the Chief Medical Officer according to U.P. Public Service (Reservation for Physically Handicapped, Dependent of Freedom Fighters and Ex-Servicemen) (Amendment) Act, 2021. (4) The Ex-Army personnels must be discharged from army upto the last date prescribed for receipt of applications. (5) Date, time and venue etc. of examination along with Roll No. will be communicated to the candidates through e-Admit Cards, Candidates will have to appear at the centre/ venue allotted to them by the Commission. No change in centre/ venue is permissible and no application shall be entertained in this regard. (6) The Commission reserves the right of cancelling the candidature of any candidate found indulging in any malpractice i.e. copying in examination hall or indiscipline, misbehavior or canvassing for his/her candidature. On violation of these instructions, the candidates may be debarred from this examination as well as future examinations and selections. In this regard, decision of the commission shall be final. The Provisions of Uttar Pradesh Examination (Prevention of Unfair Means) Act, 2024 Dated August 6, 2024 will be applicable in aforesaid examination. (7) In all communication to the Commission, the candidate must mention the name of examination, advertisement No., O.T.R. Number, Application ID, Name of the candidate, date of birth, father's/Husbands name and also the Roll Number, if communicated. (8) Candidates selected for appointment will have to undergo Medical Examination as required under the Rules. (9) The candidates who are appearing in the Examination of essential qualification prescribed for the post need not apply, because they are not eligible. (10) While filling the OMR answer sheets, the candidates must use Black Ball Point Pen Only. Use of any other Pen or Pencil is strictly prohibited. (11) At the time of examination, candidates must fill all the Information sought on the OMR Answer Sheet correctly by blackening the concerned circles, which are decipherable by the scanner machine. The Commission will evaluate OMR Answer Sheet only on the basis of information given by blackening the concerned circles of OMR Answer Sheet. The candidates are also directed not to use whitener, blade, pin or rubber etc. on the OMR Answer Sheet. In case of not blackening the circles properly in the OMR Answer Sheet and filling any Information incorrectly, the Commission shall not evaluate such OMR Answer Sheet for which candidates themselves shall be wholly responsible. (12) As per the decision of Hon'ble Commission, the Answer Sheet used in objective examinations, will be in three copies: First copy Original copy-Pink, Second copy Preserved copy-Green and Third copy Candidate's copy-Blue. After completion of the examination, the Invigilator will submit the Original copy and Preserved copy of OMR Answer Sheet; and the candidate will take the Third copy (Candidate's copy-Blue) with him/her. (13) In the Examination for the objective type Question papers, penalty (Negative Marking) shall be imposed for wrong answers given by the candidates which is below:- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one third (0.33) of the marks assigned to that question will be deducted as penalty. (ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answer happens to be correct and there will be same penalty as above for that question. (iii) If a question is left blank i.e. no answer is given by the candidate, there will be no penalty for that question. (14) The minimum efficiency standard for S.C. and S.T. candidates is fixed 35% i.e. the Candidates of these Categories shall not be placed in the merit/select list if they have secured less than 35% marks in the examination. Similarly, the minimum efficiency standard for the candidates of other categories is fixed 40% i.e. such candidates shall not be placed in the merit/select list if they have secured less than 40% marks in the examination. All such candidates who have secured less marks than the marks of minimum efficiency standard as fixed by the Commission shall be treated disqualified. (15) The candidates of reserved categories will be adjusted against the unreserved category in the final selection only if he/she has not availed any benefit/concession in qualifying standard at any stage of examination. <u>Note: On the said point, a stay order has been passed by the Hon'ble High Court Allahabad (Lucknow Bench) on dated 13.05.2026 in Special Appeal No.-233/2026. Bhavna Yadav and 06 Others Vs. State of U.P. and 02 Others.</u> (16) All the process related to selection will be Conducted in accordance with Acts/ Relevant rules/Govt. orders/ Hon'ble commissions decisions applicable at that time. (17) If it is found that a candidates has submitted any forged documents he/she will be debarred from all selections of UPPSC forever and action under relevant sections of Bharatiya Nyaya Sanhita will also be taken against him/her. (18) The Candidates whose candidature are cancelled, do not remain candidates after the cancellation of candidature, therefore the marks of such candidates shall not be provided.
4. Computer Operator Grade-B (Uttar Pradesh Public Service Commission)	Essential qualification: (i) Bachelor degree with diploma in Computer Science or Bachelor degree with O certificate from D.O.E. (ii) Knowledge of Data Entry in Hindi and English on various softwares as M.S. Office/Lotus/Smart suit etc in D base/Unix/windows. (iii) Knowledge of exposure of networking on Noval and window N.T. (iv) 25 and 40 words per minute speed of typewriting in Hindi and English. Preferential Qualification: A candidate who has: (i) Served in Territorial Army for a minimum period of two years, or (ii) Obtained 'B' Certificate of National Cadet Corps shall others things being equal, be given preference in the matter of direct recruitment.	
Note: The candidates must possess all the requisite qualification upto the last date for submitting the applications. Relevant Service Rules of above mentioned posts - The Uttar Pradesh Industrial Development Authorities Centralised Services Rules, 2018 (as amended). - The Uttar Pradesh Government Department Electronic Data Processing (Group 'B') Cadre Service Rules, 2016. - The Uttar Pradesh Public Service Commission (Computer Section) Service Regulations, 2009.		
9. AGE LIMIT : (i) Candidates must have attained the age of 21 years and must not have crossed the age of 40 years on July 1, 2026 i.e. they must have not been born earlier than 2nd July, 1986 and not later than July 1, 2005. For PH candidates, the maximum age limit is 55 years i.e. they must have not been born before 02 July, 1971. (ii) Relaxation in Upper Age Limit: (a) Upper age limit shall be greater by five years for candidates belonging to Scheduled Castes of U.P., Scheduled Tribes of U.P., Other Backward Classes of U.P., Skilled players of U.P. of Classified Games, State Govt. Employees of U.P. including Teachers/Staff of the Basic Shiksha Parishad of U.P. and Teachers/Staff of the Government Aided Madhyamik Vidyalayas of U.P. i.e. they must have not been born before 2nd July, 1981. (b) Upper age limit shall be greater by fifteen years for physically handicapped persons of U.P. (c) Upper age limit shall also be greater by three years + period of service rendered in Army for the Emergency Commissioned Officers/Short service Commissioned Officers/Ex-Army Personnels of U.P. (d) According to THE UTTAR PRADESH PUBLIC SERVICES (RELAXATION OF THE AGE LIMIT AND WEIGHTAGE FOR RESEARCH SCHOLARS OF CHIEF MINISTER FELLOWSHIP FOR COMPETITIVE EXAMINATIONS) RULES, 2026:- (i) Research scholars of Chief Minister Fellowship Programme, who have obtained a certificate of successful completion of their tenure from the competent authority till the last date of application as per the advertisement, will be given the Relaxation up to 03 years in the maximum age limit prescribed in the relevant service rules for recruitment to the post in the service. (ii) A candidate who has completed 01 year tenure/period as a research scholar will be given a relaxation of 01 year, a candidate who has completed 02 years tenure/period will be given a relaxation of 02 years and a candidate who has completed 03 years or more tenure/period will be given a relaxation of 03 years. Provided that: For the purpose of relaxation in age limit, the tenure will be calculated as on 1st July of the advertisement year. (iii) Age relaxation will be provided only to those research scholars who have completed the maximum age limit prescribed for Government Service while completing the Chief Minister fellowship programme. Provided that: Candidates belonging to such category who are already eligible for any relaxation in the maximum age limit will not be granted any separate age relaxation. Note: For the post of Manager (System) and Senior Programmer of Industrial development department- (a) In the case of person who has already rendered one year's service or more in any of the service in the authority, the maximum age limit shall be greater to the extent he has rendered continuous service or for a period of seven years whichever is less. (b) A candidate who was entitled in respect of his age to appear at a selection in any year in which, no selection is made though a vacancy existed, shall be deemed to be entitled in respect of his age to appear at the next following selection. 10. SOME INFORMATION ABOUT MANAGER (SYSTEM) EXAMINATION/SENIOR PROGRAMMER EXAMINATION/PROGRAMMER GRADE-2 EXAMINATION/ COMPUTER OPERATOR GRADE-B EXAMINATION:- (i) The date and venue for the examination shall be informed by the Commission later on through e-Admit cards. (ii) Candidates serving under the Central or State government will have to produce 'No Objection Certificate' from their employer. 11. IMPORTANT INSTRUCTIONS FOR CANDIDATES: (1) The date of birth of the candidates shall be admissible as entered in High School Certificate. The candidate will have to attach his/her High School or equivalent		
GENERAL INSTRUCTIONS 1. In no circumstances, applications of any stage shall be accepted after the last prescribed date and time. Applications found without requisite Information and without photograph and signature, even when received in time, may be summarily rejected. 2. In the On-line system, the candidates must ensure that all the requisite information have been duly filled and must submit by the last prescribed Date & Time. Candidates must take the Print and keep it safely. In any discrepancy, the candidates will have to produce the said print to the commission's office otherwise no request shall be entertained. 3. Those candidates, willing to take the benefit of the reservation/age relaxation must obtain a certificate, issued by the competent authority, in support of the reserved category, in the prescribed format printed in this detailed advertisement (Appendix-1) and submit the same to the Commission, whenever required to do so. Candidate claiming more than one reservation/age relaxation will be given only one such concession, which will be more beneficial. The Candidates who are not originally domicile of U.P. belonging to SC, ST, O.B.C., E.W.S., dependents of freedom fighters, Ex-Servicemen, Outstanding/Skilled sports person and P.H. are not entitled to the benefit of reservation age relaxation. In case of the women candidates, the caste certificate Issued from father side only will be treated valid. 4. The Commission do not advise to candidates about their eligibility. Therefore,		

यह भी प्रमाणित किया जाता है कि श्री/श्रीमती/कुमारीपूवाक्त अधिनियम, 1994 (यथासंशोधित)

(A) he/she is a case of:

locomotor disability dwarfism blindness (Please tick as applicable) (B) The diagnosis in his/her case is _____ (A) he/she has _____% (in figure) _____percent (in words) permanent locomotor disability/ dwarfism/blindness in relation to his/her _____ (part of body) as per guidelines (.....number and date of issue of the guidelines to be specified). 2. The applicant has submitted the following document as proof of residence:- <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Nature of Document</th> <th style="width: 33%;">Date of Issue</th> <th style="width: 33%;">Details of authority issuing certificate</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> 3. Signature and seal of the Medical Authority. <table style="width: 100%;"> <tr> <td style="width: 33%; text-align: center;">(Dr.....)</td> <td style="width: 33%; text-align: center;">(Dr.....)</td> <td style="width: 33%; text-align: center;">(Dr.....)</td> </tr> <tr> <td style="text-align: center;">Member</td> <td style="text-align: center;">Member</td> <td style="text-align: center;">Chairperson</td> </tr> <tr> <td style="text-align: center;">Medical Board</td> <td style="text-align: center;">Medical Board</td> <td style="text-align: center;">Medical Board</td> </tr> <tr> <td style="text-align: center;">with seal</td> <td style="text-align: center;">with seal</td> <td style="text-align: center;">with seal</td> </tr> </table> Signature/thumb impression of the person in whose favour certificate of disability is issued Countersigned by the Chief Medical Officer (with seal)	Nature of Document	Date of Issue	Details of authority issuing certificate				(Dr.....)	(Dr.....)	(Dr.....)	Member	Member	Chairperson	Medical Board	Medical Board	Medical Board	with seal	with seal	with seal	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Nature of Document</th> <th style="width: 33%;">Date of Issue</th> <th style="width: 33%;">Details of authority issuing certificate</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> 5. Signature and seal of the Medical Authority. Signature/thumb impression of the person in whose favour certificate of disability is issued Countersigned by the Chief Medical Officer (with seal)	Nature of Document	Date of Issue	Details of authority issuing certificate			
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Form-III Certificate of Disability (In cases of multiple disabilities) (Name and Address of the Medical Authority/Board issuing the Certificate) Recent passport size attested photograph (showing face only) of the person with disability Certificate No. _____ Date: _____ This is to certify that we have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____ Date of birth (DD/MM/ YY) _____ age _____ years, male/ female _____, Registration No. _____ permanent resident of House No. _____ Ward/Village/Street _____ Post Office _____ District _____ State _____, whose photograph is affixed above, and am satisfied that: (A) he/she is a case of Multiple Disability. His/her extent of permanent physical impairment/disability has been evaluated as per guidelines (.....number and date of issue of the guidelines to be specified) for the disabilities ticked below, and is shown against the relevant disability in the table below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">S. 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In words.....percent 2. This condition is progressive/non-progressive/likely to improve/not likely to improve. 3. Reassessment of disability is:- (i) not necessary, or (ii) is recommended/ after..... years..... months, and therefore this certificate shall be valid till..... (DD) (MM) (YY) @ -e.g. Left/right/both arms/legs # - e.g. Single eye £ - e.g. Left/Right/both ears 4. The applicant has submitted the following document as proof of residence:-	S. N.	Disability	Affected part of body	Diagnosis	Permanent physical impairment/ mental disability (in%)	1.	Locomotor disability	@			2.	Muscular Dystrophy				3.	Leprosy cured				4.	Dwarfism				5.	Cerebral Palsy				6.	Acid attack Victim				7.	Low Vision	#			8.	Blindness	#			9.	Deaf	£			10.	Hard of Hearing	£			11.	Speech and Language disability				12.	Intellectual Disability				13.	Specific Learning Disability				14.	Autism Spectrum Disorder				15.	Mental illness				16.	Chronic Neurological Conditions				17.	Multiple sclerosis				18.	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12.	Autism Spectrum Disorder																																																																																																																																																																																																																					
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14.	Chronic Neurological Conditions																																																																																																																																																																																																																					
15.	Multiple sclerosis																																																																																																																																																																																																																					
16.	Parkinson's disease																																																																																																																																																																																																																					
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उत्तर प्रदेश लोक सेवा (शारीरिक रूप से विकलांग, स्वतंत्रता संग्राम सेनानियों के आश्रितों और भूतपूर्व सैनिकों के लिये आरक्षण), अधिनियम, 1993 (यथासंशोधित) के अनुसार स्वतंत्रता संग्राम सेनानी के आश्रित के प्रमाण-पत्र का प्रपत्र।

प्रमाण-पत्र

प्रमाणित किया जाता है कि श्री / श्रीमती निवासी ग्राम- नगर- जिला- उत्तर प्रदेश लोक सेवा (शारीरिक रूप से विकलांग, स्वतंत्रता संग्राम सेनानियों के आश्रितों और भूतपूर्व सैनिकों के लिये आरक्षण) अधिनियम, 1993 के अनुसार स्वतंत्रता संग्राम सेनानी हैं और श्री / श्रीमती / कुमारी (आश्रित) पुत्र / पुत्री / पौत्र (पुत्र या पुत्री का पुत्र) तथा पौत्री (पुत्र की पुत्री या पुत्री की पुत्री) (विवाहित अथवा अविवाहित) उपर्युक्त अधिनियम, 1993 (यथासंशोधित) के प्राविधानों के अनुसार उक्त श्री / श्रीमती (स्वतंत्रता संग्राम सेनानी) के आश्रित हैं।

स्थान: हस्ताक्षर

दिनांक: पुरा नाम

पदनाम मुहर

Threaded Binary trees, Huffman algorithm. Sequential search, Binary search, comparison and analysis, Hash Table, Hash Functions, Collision Resolution Strategies, Hash Table Implementation. 3. Programming languages: Concepts and Application of C, C++, Java, Python, Free and Open Source Software 4. Database Management System: Data independence, Architecture for a Database system. Storage structures, Relational approach, Hierarchical approach, Network and Distributed Approach. Relations, Domains and attributes, Keys, Extensions and Intentions, Relational Algebra, Set operations, Relational operations, Relational calculus. Normal Forms, Functional Dependency, 1NF, 2NF, 3NF and BCNF. SQL, Query and Optimizer, Security, Concurrency and Recovery. 5. Operating Systems: Functions, Multiprogramming, Multiprocessing & Multitasking, Processes, Threads, Memory Management, Virtual memory, Paging, Fragmentation, Mutual exclusion, Critical regions. CPU scheduling, I/O scheduling, Scheduling algorithms, Deadlock avoidance & prevention; UNIX/LINUX: Structure & Commands, Interfacing, Editors & Compilers, LEX & YACC, File system, System calls, Filters, Shell programming. 6. Data Communication and Computer Networks: Communication channels, Measure of information, Source coding techniques like Huffman code, Block Code & Cyclic Redundancy codes. Modulations and Demodulations, Networks structure and architecture, OSI Model, Topology, Transmission media, Switching, Multiplexing, Client-Server model, IEEE standards, FDDI, TCP/IP Model, Integrated services digital networks, Multipoint Protocol Layer Switching (MPLS), Physical Layer, Data Link Layer, Network Layer, Routing algorithms, Congestion control algorithms. Internetworking, IP addressing, Subnetting, IPv4. Transport Layer, Application layer, Compression Techniques, IPv6, DNS System. Security Concepts-Attacks, Services & Mechanisms, Cipher Principles and Cryptography. 7. Artificial Intelligence: Intelligent agents, Structure of agents and its functions, Problem spaces and search, Heuristic Search techniques- Best first search, Problem reduction, Constraint satisfaction, Means Ends Analysis. Knowledge Representation: Approaches and issues in knowledge representation, Knowledge Based Agent, Propositional Logic, Predicate logic - Unification and Resolution. 8. Introduction to RMI (Remote Method Invocation): Client-server application using RMI. Java Servlet, Servlet API, Life Cycle of a Servlet, Running Servlet, Debugging Servlets, Thread-safe Servlets, HTTP Redirects, Cookies, Java Server pages (JSP), HTML, URL, FTP, HTTP, PHP and ASP.net 9. System Security: Authentication, Service Electronic Mail Security, Web Security: Secure Socket Layer Security, Secure Electronic Transaction (SET), System Security: Intruders, Viruses, Firewall Design Principles. Internet: Basics, Various types of internet connections, ISP, Mail Services concepts, Voice and Video Conferencing, Web Browsers and Web Servers, VPN, Voice Over Internet Protocol (VOIP). 10. Software Engineering and MIS: Importance of Software and its characteristics, Software Development Life Cycle, Software Process. Software Requirement Specification, Water Fall Model, The Incremental Model, Prototyping, Spiral Model, Role of management in software development, Role of metrics and Measurement, Problem analysis, Requirement specification, Monitoring and Control, Software design principles, Abstraction, Cohesiveness, Coupling, Software testing, Verification & validation, Software Project Management, Software Quality and Reliability, Concepts of MIS and ERP. 11. Advanced Computing: Basics Concepts of Mobile Computing, Cloud Computing, Grid Computing, Big Data, Internet of Things and Machine Learning.	Segmentation, Virtual Memory, Demand Paging, Page Replacement Algorithms, Frame Allocation Methods, Thrashing. File Management: Structure and Functions of File System, I/O Operations, Device Drivers, Access Methods, File System Organization, Design Techniques, File Allocation Methods, File Security and Protection Unix and Windows: Overview of Unix Shell Environment, Interface, Common Commands, System Utilities, Windows Environment Subsystem, Control Panel and System Configuration, Security and Protection. 2. Programming Language: Problem Solving Techniques: Algorithms, Flowcharts, Programming Paradigms (Top-Down, Bottom-Up), Introduction to Object Oriented Programming and Structured Programming Concepts. C Programming: Importance and evolution of C Language, Structure of C Program, Character Set, Tokens, Keywords, Identifiers, Constants, Variables, Data Types, Operators, Decision Making Statements, loops, Arrays, Strings, Functions, Structures. Object Oriented Programming: Classes, Objects, Encapsulation, Data Abstraction, Inheritance, Reusability and Modularity, Polymorphism, Friend Functions, Virtual Functions, Constructors and Destructors Java: Java Source File Structure, JVM Architecture, Primitive Data Types, Operators, Type Casting, Arrays, Conditional Statements, Loop constructs, Abstract Classes and Interfaces, Method Overloading and Overriding, Packages and Access Modifiers. 3. Scripting Languages Definition and Characteristics of Scripting Languages, Uses of Scripting Languages for Web Based Applications, Client Side vs. Server Side Scripting. JavaScript: Overview of JavaScript, Syntax, Variables, Expressions, Control Structure (Branching and Looping), Functions, Events, Document Object Model (DOM) manipulations. Perl: Syntax, Data Types, Variables, Operators, Conditional and Looping Statements, Array, Strings, Hashes, built-in Functions and Subroutines. 4. Database Characteristics of DBMS, Types of database models, ER Diagrams, DDL, DML, Data Abstraction and Data Independence, DBMS Architecture, Schema, Views, Functional Dependencies, Integrity Constraints, Normal Forms (1NF, 2NF, 3NF and BCNF), Concepts Of Transactions and Concurrency. 5. Database Packages Structured Query Language (SQL): SELECT Queries, JOINS, Subqueries, Aggregate Functions, Set Operations, Data Manipulations (INSERT, UPDATE, DELETE, WHERE, ORDER BY, GROUP BY), Indices and Triggers. MS-ACCESS: Introduction to MS-Access GUI and Structure, Reports, Queries, Macros, Built-in Functions, Data Import/Export queries, Table Relationships. Oracle: Introduction and Installation, Backup and Recovery Manager, SQL Server Basics, Functions of SQL Server, Server Configuration, User Management, Basic Concepts of MySQL. 6. Web Server PHP: Introduction to PHP, Variables, Data Types, Conditional and Looping Statements, Indexed and Associative Arrays, Built-in Functions, Embedding PHP in HTML, Form Handling. Web Server: Overview and Concepts of Web Server, Types of Web Servers, HTTP and HTTPS Protocol, Client-side and Server-side Scripting, Introduction to the .NET Platform and Framework, MVC Architecture and its implementation, API Development, Remote Access and Server Management, Deployment and Publishing ASP.NET, Understating IIS and Apache Servers, Basics of Web Hosting and Domain management. 7. Network Basics of the Internet, Web Browser, Search Engine, URL Structure, Protocols and Services, FTP, TCP/IP, DNS, POP, SMTP, ICMP, RARP, UDP, ARP, IP Addressing, Subnetting concepts, Remote Login, Web Uploading/Downloading, Web Publishing, Hosting Services, SSL, Internet Safety Practices, Social Media Networking, Fundamentals of Socket Programming, Client Server Architecture, TCP and UDP Socket communication. 8. Web Content Development Concepts of Hypertext and Hypermedia, Structure of HTML Documents, Head and Body Sections, Different Tags, Text Formatting, Inserting Images, Creating Links, Using Tables and Lists, Frames and Form Handling. 9. Document Preparation MS-Word: Introduction to MS —WORD and its features, Creating, Saving and Opening Documents, Interface, Toolbars, Ruler, Menus, Keyboard Shortcuts, Paragraph formatting, Alignment, Borders and Shading, Headers and Footers, Columns, Tables. MS-Excel: Creating Worksheets, Defining Cells, Columns and Rows, Entering, Editing, Saving and Protecting Data, Toolbars, Functions, and Keyboard Shortcuts. Cell Formatting, Alignment, Character Styles, Adjusting Column Width and Row Height, Date/Time Formatting, Applying Borders, Colors, Basic Formulas, Cell Referencing (Relative, Absolute, Mixed) MS-PowerPoint: Overview of MS-PowerPoint and its applications in presentations, Creating, Duplicating, Moving, Copying, and Deleting Slides, Using Themes, Slide Layouts, Design Tools, Editing and Formatting Text, Applying Styles, Using Bullets and Numbering, Inserting and Formatting Images, Charts, Smart-art and Multimedia, Applying Visual Effects, Custom Animation, Notes, Handouts, Slide Sorter View, Rehearse Timing.
SYLLABUS FOR SENIOR PROGRAMER SUBJECT: COMPUTER APPLICATION 1. Computer Fundamental and Computer Organization : (a) Computer Fundamentals: Definition and Characteristics, Types, Components, Hardware, Software, Operating Systems and Utilities. (b) Computer Organization: Number systems, Instruction Codes, Instruction Cycle, Addressing Modes, Data Transfer and Manipulation, Complex Instruction Set Computer (CISC) and Reduced Instruction set Computer (RISC). 2. Data Structure: Basics of Data Structures, Stack Operations, Array and Linked Representation of Stack, Stack Application, Queue Operations and their Array and Linked Representation, Basics of Search Trees. 3. DBMS: Basics of Data Base Management Systems, Data Models, ER Diagram, Exposure to MS Access, Oracle, MY SQL, SQL Server. 4. Programming Languages: Programming Concepts, Knowledge of C, C++, Java and Python programming and their Applications. 5. Network: Definition, Types (LAN, WAN, MAN) and Network Components, OSI, TCP/IP, Connection Oriented Network, Wireless Communication, Intranet, Internet (Services and Applications), Web Browsers and Email. 6. Web Technology: Fundamentals of Web Technology, Basic knowledge of HTML, XML, PHP and Java Script. 7. Software Engineering: The Evolving Role of Software, Changing Nature of Software, Software Development Life Cycle, Requirement Engineering Process, Knowledge of Testing Technique and Testing Tools, Debugging, Software Quality and Metrics. 8. Cyber Law and Security Policy: Cyber Crime, Forgery, Hacking, Software Privacy, Data Fraud, Phishing and Identity Theft, Web Security, Email Security, Social Media Security, IT Act. 9. Windows/Unix/Linux: Understanding Operating Systems, Its Features and applications, Working with Windows firewall, Windows firewall with Advanced Security, Password Security, Antivirus Security, Knowledge of Unix/Linux Commands. 10. Document Preparations: Working Knowledge of Office Suite.	Syllabus for Computer Operator Grade "B" (a) Course for Aptitude Test- The Computer operator needs to assist Programmer and higher ups in day to day operations. He/she must have basic knowledge of Computing System with different operating system (live windows/Unix) and have working knowledge of one or two programming languages. He/she may also have exposure on DBMS packages. They should be good in information ordering and possess oral and written comprehensive skills. The point wise syllabus is as follows : (1) OS : Working knowledge with essential commands of Windows/ Unix. (2) Programming : Programming skills in C and C++ or JAVA Languages: (3) Document Preparation : Deep exposure in Office Suites (4) DBMS Packages: Data Entry skills in different DBMS packages like MS Access, ORACLE, MYSQL etc. (5) Internet: Exposure on Web Server and Web Page management
SYLLABUS FOR PROGRAMMER GRADE-2 SUBJECT: COMPUTER APPLICATION 1. Operating System Fundamentals of Operating System: Basics of Operating System, Types, Functions and Services of Operating Systems, System Calls, Interface, Interrupts. Process: Process Management, Process Control Block, Process States, Threads, Scheduling, Spooling, Scheduling Algorithms and their Evaluation, Process Synchronization, Inter-process Communication, Concurrent Execution, Race Condition, Mutual Exclusion, Bounded Waiting, • Semaphores, Hardware Synchronization, Classical Problems of Synchronization (Readers-Writers, Dining Philosophers) Deadlock: Introduction of Deadlocks, Deadlock Characteristics, Deadlock Prevention, Detection and Avoidance, Wait-for-Graph, Banker's Algorithm, Safe Condition, Deadlock Recovery Memory Management: Basics of Memory Management, Static Allocation, Dynamic Allocation, Swapping, Compaction, Contiguous Vs. Non-Contiguous Allocation, Paging,	SECRETARY