

# KING GEORGE MEDICAL UNIVERSITY, LUCKNOW, U.P. (INDIA)-226003



## RECRUITMENT- DETAILED ADVERTISEMENT

GUIDELINES/ PROCEDURE FOR DIRECT RECRUITMENT OF

GROUP - B & GROUP - C POSTS

### Address for Correspondence:

Office of the Registrar,  
King George's Medical University, U. P.,  
Chowk, Lucknow-226003

*In case of any query, please Contact:*

Recruitment Cell,

E-mail ID: [job@kgmcindia.edu](mailto:job@kgmcindia.edu)

Mob. No.: **9415007712** (Time for calling 10.00am to 5.00pm on working days)

**Notice No.230/Recruitment Cell/2024 Dated 22/10/2024**  
**(i.e. Total 17 Advertisements 1 to 17)**

**Last date of Application: December 31, 2024**

**Special Note:**

Posts advertised through advertisement no. 156/E-2022, 157/E-2022 and 158/E-2022, notice No. 75/B-2022 date 12/07/2022 stand cancelled, on account of Manakikaran government order 143/2022/170/71-2099-817-2019 dated 30/11/2022.

1. **Mode of application is only online on KGMU website.** [www.kgmu.org](http://www.kgmu.org). The application sent through any other means will not be accepted.
2. No hard copies of applications or documents are required to be sent by post, but candidates should retain a printed copy of their application form for reference.
3. Candidates must fulfill all essential eligibility criteria, including educational qualifications and age limits, as per the appended guidelines.
4. On-line Registration and submission process schedule will be published on the website. Examination will be conducted according to the published schedule.
5. Candidates are advised to visit Institute's website for the detailed schedule of the Examination.

For recruitment to all the vacant posts, the candidate must hold necessary qualifications (educational and other desirable qualifications) and experience by the last date of receipt for the application form that is December 31, 2024, as per guidelines appended. Details of vacant positions, category, with educational and other professional qualifications are given in the Table below: -

## Table

| Advt. No  | Name of Posts With level as per the 7 <sup>th</sup> CPC | Category wise |    | Total Number of vacant posts | Essential Eligibility Criteria  |
|-----------|---|---------------|----|------------------------------|---|
| 37/R-2024 | Technical Officer (Medical Perfusion) Level-7           | UR            | 3  | 04                           | <b>Qualification:-</b><br>B.Sc. Degree with certificate of Perfusion Technology awarded by recognized Institution/ Association/ Authority (Such as Association of CVTS of India) after training 5 years experience in the field as Perfusionist.  |
|           |   | OBC           | 1  |                              |   |
| 38/R-2024 | Technician (Radiology) Level-6                          | UR            | 21 | 49                           | <b>Qualification:-</b><br>1. 10+2 with Science subjects or equivalent from a recognized Board/ University and<br>2. Diploma (2 yrs. course) in Radiography Techniques from a recognized Institution and<br>3. 1 year experience as a Radiographer and<br><b>OR</b><br>B.Sc. (Hons.) (3 yrs. course) in Radiography from a recognized University/ Institution.           |
|           |   | EWS           | 4  |                              |   |
|           |   | OBC           | 13 |                              |   |
|           |   | SC            | 10 |                              |   |
|           |   | ST            | 1  |                              |   |
| 39/R-2024 | Technician (Radiotherapy) Level-6                       | UR            | 9  | 20                           | <b>Qualification:-</b><br>1. 10+2 with Science subjects or equivalent from a recognized Board/ University and<br>2. Diploma (2 yrs. course) in Radiotherapy Techniques from a recognized Institution and<br>3. 1 year experience as a Radiotherapy Technician and<br><b>OR</b> B.Sc. (Hons.) (3 yrs. course) in Radiotherapy from a recognized University/ Institution. |
|           |   | EWS           | 2  |                              |   |
|           |   | OBC           | 5  |                              |   |
|           |   | SC            | 4  |                              |   |
| 40/R-2024 | Technical Officer (Ophthalmology) Level-6               | UR            | 3  | 04                           | <b>Qualification:-</b><br>B.Sc. in Ophthalmic Techniques or equivalent from a recognized University Institution.  |
|           |   | OBC           | 1  |                              |   |
| 41/R-2024 | Technical Officer (ENT) Level-6                         | UR            | 3  | 04                           | <b>Qualification:-</b><br>B.Sc. Degree in Speech and Hearing from a recognized Institution/ University.<br><b>Desirable:</b><br>(i) B.Sc. (Hons) in Speech and Hearing.<br>(ii) Clinical experience in a hospital (Neuro-otology/ENT)   |
|           |   | OBC           | 1  |                              |   |
| 42/R-2024 | Medical Lab Technologist (Lab) Level-6                  | UR            | 14 | 29                           | <b>Qualification:-</b><br>Bachelor's Degree in Medical Laboratory Technology/Medical Laboratory Science from a Govt. recognized university/ Institution with two year relevant experience in a Laboratory attached with a hospital having minimum 100 beds.   |
|           |   | EWS           | 2  |                              |   |
|           |   | OBC           | 7  |                              |   |
|           |   | SC            | 6  |                              |   |

|           |  |     |    |    |  |
|-----------|--|-----|----|----|--|
| 43/R-2024 | Jr. Medical Lab Technologist (Lab) Level-5 | UR  | 5  | 07 | <b>Qualification:-</b><br>10+2 with Science Subjects (Physics, Chemistry and Biology/Biotechnology) & 2 years regular Diploma in Medical Laboratory Technology from any Govt. recognized/university/institution with One year relevant experience in a Laboratory attached with a hospital having minimum 100 beds.  |
|           |  | OBC | 1  |    |  |
|           |  | SC  | 1  |    |  |
| 44/R-2024 | OT Assistant (OT) Level-5                  | UR  | 28 | 65 | <b>Qualification:-</b><br>(i) B. Sc. OR 10+2 with Science with 05 years experience in the following areas.(a) OT (b) ICU(c) CSSD (d) Manifold Room(e) Anesthesia (f) Interventional Radiology (g) Bronchoscopy (h) Endoscopy(i) Cardiac Cath Lab.<br><b>Desirable:-</b><br>(i) Preference will be given to candidates with Certificate/ Diploma course in OT Techniques from recognized Hospital/Institutions.<br>(ii) Work experience shall be considered, if the candidate has worked in a private or public sector/Hospital of at least 500 beds. |
|           |  | EWS | 6  |    |  |
|           |  | OBC | 17 |    |  |
|           |  | SC  | 13 |    |  |
|           |  | ST  | 1  |    |  |
| 45/R-2024 | Technician (Nuclear medicine) Level-5      | UR  | 3  | 04 | <b>Qualification:-</b><br>(i) B.Sc. In Life science and other science plus one year diploma in Medical Radiation and Isotope Techniques (DMRIT) OR equivalent approved by AERB.<br><b>Desirable:-</b> One year post diploma (DMRIT) in a registered Nuclear Medicine facility.   |
|           |  | OBC | 1  |    |  |
| 46/R-2024 | Technician Gr 2 (Dental) Level-4           | UR  | 3  | 04 | <b>Qualification:-</b><br><b>Essential:</b><br>(i) Matriculation <b>or</b> equivalent from a recognized University/ Board.<br>(ii) Diploma/Certificate from a recognized Institution in Dental Hygiene; <b>or</b> Dental Mechanic; <b>or</b> Maxillofacial prosthesis and Orthodontic appliances.<br>(iii) Registered as Dental Hygienist/ Dental Mechanic with Dental Council.<br><b>Desirable:</b> Experience in a Dental Department of a Hospital for one year.   |
|           |  | OBC | 1  |    |  |
| 47/R-2024 | Technician (Dialysis) Level-5              | UR  | 17 | 36 | <b>Qualification:-</b><br>B.Sc. in Dialysis Technology <b>OR</b> B.Sc. With a diploma in Dialysis technology of 02 years and one year experience of working as dialysis technician in a Hospital of 20 dialysis unit.  |
|           |  | EWS | 3  |    |  |
|           |  | OBC | 9  |    |  |
|           |  | SC  | 7  |    |  |

|           |   |     |    |    |   |
|-----------|---|-----|----|----|---|
| 48/R-2024 | Medical Social Service Officer Gr 2 Level-6 | UR  | 11 | 23 | <p><b>Qualification:-</b></p> <p><b>Essential:</b></p> <p>(i) Master's Degree in Social Work from a recognized University/Institution.</p> <p>(ii) Experience in the line with a Welfare or Health Agency, preferably dealing with Medical/Public Health Service.</p> <p><b>Desirable:</b></p> <p>Specialization, by experience or qualification or training in Medical Social Work including psychiatric services. Ability to use computer.</p>  |
|           |   | EWS | 2  |    |   |
|           |   | OBC | 6  |    |   |
|           |   | SC  | 4  |    |   |
| 49/R-2024 | Receptionist Level-5                        | UR  | 11 | 23 | <p><b>Qualification:-</b></p> <p><b>Essential:</b></p> <p>(i) Degree from a recognized University.</p> <p>(ii) Post-graduate Diploma in Journalism/Public Relations</p> <p><b>Desirable</b></p> <p>(i). Experience in Public Relations/ Publications/ Printing /Publishing.</p> <p>(ii). Exposure to working on a Personal Computer.</p>  |
|           |   | EWS | 2  |    |   |
|           |   | OBC | 6  |    |   |
|           |   | SC  | 4  |    |   |
| 50/R-2024 | Pharmacist Gr-2 Level-5                     | UR  | 18 | 38 | <p><b>Qualification:-</b></p> <p><b>Essential:</b></p> <p>(i) Diploma in Pharmacy from a recognized University / Institution.</p> <p>(ii)Should be a registered Pharmacist under the Pharmacy Act, 1948.</p> <p><b>Desirable:</b></p> <p>1. Degree in pharmacy from recognized University / Board.</p> <p>2. 02 years experience in related fields.</p>   |
|           |   | EWS | 3  |    |   |
|           |   | OBC | 10 |    |   |
|           |   | SC  | 7  |    |   |
| 51/R-2024 | Librarian Grade 2 Level-6                   | UR  | 3  | 04 | <p><b>Qualification:-</b></p> <p><b>Essential:</b></p> <p>(i) B.Sc degree or equivalent with diploma in Library Science from a recognized University <b>or</b></p> <p>(ii)Bachelor degree in Library Science or Library &amp; Information service from recognized University or Institute.</p> <p><b>Desirable:</b></p> <p>(i) Two years experience of acquisition of books, periodicals and documentation work in a library of Standing or repute;</p> <p>(ii) Computer Knowledge with typing speed of 30 words per minute in English or 25 words per minute in Hindi.</p> |
|           |   | OBC | 1  |    |   |

|              |                                    |     |            |    |  |
|--------------|------------------------------------|-----|------------|----|--|
| 52/R-2024    | Assistant Security Officer Level-8 | UR  | 6          | 11 | <p><b>Qualification:-</b></p> <p><b>Essential:</b></p> <p>(i) Degree of a recognized University or equivalent; and</p> <p>(ii) Following Physical Standards:</p> <p>(a) Height: 170 cms. Minimum (Relaxable by 5 cms only for residents of hill areas)</p> <p>(b) Chest: 81 cms (85 cms. After expansion) (Relaxable by 5 cms. only for residents of hill areas).</p> <p>(c) Should possess sound health free from defect/deformity/disease. Vision in both eyes should be 6/12 (without glasses). There should be no color blindness. (Candidates claiming relaxation in height and chest will have to produce the certificate to this effect from the competent authority viz., Deputy commissioner/Distt. Magistrates/ Tehsildars of their places of residence).</p> <p>iii) Experience for at least 5 years in deeping security preferably in a hospital/medical institution of repute.</p> <p><b>Desirable :</b></p> <p>(i) Armed Forces personnel</p> <p>OR the ranked Subedar or Inspectors of Police Civil/Para Military/ Military Forces.</p> <p>Age limit of direct recruits: Not exceeding 35 years.</p> <p>Age limit is also relaxable for Ex-Servicemen as per Central Govt. instructions.)</p> |
|              |                                    | EWS | 1          |    |  |
|              |                                    | OBC | 2          |    |  |
|              |                                    | SC  | 2          |    |  |
| 53/R-2024    | Computer Programmer Level-10       | UR  | 5          | 07 | <p><b>Qualification:-</b></p> <p>Holder of BE / B.Tech (Comp. Sc./ Comp. Engg.) or Post graduation in Computer Application.</p>  |
| OBC          | 1                                  |     |            |    |  |
| SC           | 1                                  |     |            |    |  |
| <b>Total</b> |                                    |     | <b>332</b> |    | -  |

**Note-**

1. Numbers of posts/positions may increase/decrease as per the decision of the appointing authority.
2. Horizontal Reservation shall be applicable as per rules.

• **Application Fee**

The application fee is not refundable in any circumstances and the amount is as follows:

| Category   | Application Fee | GST @ 18% | Total   |
|------------|-----------------|-----------|---------|
| UR/OBC/EWS | Rs 2000/-       | Rs 360/-  | Rs 2360 |
| SC/ST      | Rs 1200/-       | Rs 216/-  | Rs 1416 |

Candidates belonging to a horizontal category must pay the application fee according to their original category. Candidates applying for more than one post must submit separate applications and application fees for each position. While the institute will make every effort to schedule examinations for posts with similar qualifications at different times or dates, it accepts no liability for any clashes in examination schedules.

- **Reservation**

Reservation policy of the Uttar Pradesh State Government shall be applicable. Reservations for Scheduled Tribes (ST), Scheduled Castes (SC), Other Backward Castes (OBC), EWS, and horizontal categories will be provided only to candidate's domicile of Uttar Pradesh. Candidates from reserved categories domicile to states other than Uttar Pradesh will be treated as Unreserved (UR) and must pay the application fee applicable to UR candidates.

The change in reservation policy shall be applicable, if enforced by the Government of Uttar Pradesh through policy directions / Ordinances / Orders from time to time.

EWS Certificates issued by the Uttar Pradesh Government, valid for the year 2024-2025 and based on income from the financial year 2023-2024, will be accepted. Only Domicile and Reservation Certificates issued by the Uttar Pradesh Government will be considered. These certificates must be current and verifiable through the Uttar Pradesh Government Portal. For female candidates, the valid caste certificate issued from the father's side will be considered valid.

- **Horizontal Reservation:** The Uttar Pradesh Public Services (Reservation for Physically Handicapped, Dependents of Freedom Fighters, and Ex-Servicemen) Act 1993, dated 29.12.1993, along with the Amendment Act 2018, dated 01.09.2018, and the Amendment Act 2021, vide Notification No. 450 (2/LXXIX-V-1-21-1-ka-12-21, Lucknow, dated 10.03.2021, shall apply to horizontal reservations.
- Horizontal Reservation will be applicable as per rules

|   |  |
|---|--|
| Divyang (Person with Disability - PwD): | 4% ओ०एल०, उपचरित कुष्ठ, बौनापन, हीमोफीलिया, अम्ल आक्रमण पीड़ित, थैलीसीमिया |
| Ex-Serviceman:                          | 5%   |
| Dependents of Freedom Fighters (DFF):   | 2%   |
| Female Gender:                          | 20%  |

### Eligibility

- For recruitment, the candidate must hold necessary educational and other desirable qualifications and experience by the last date of submission for the application form.
- Candidates are solely responsible for determining their eligibility for the post before applying.
- All candidates who successfully complete the application process will be provisionally allowed to appear in the examination; however, mere appearance in the examination does not confer any right to selection.
- All applications with application fee shall be accepted provisionally and all candidates will be allowed to appear provisionally in the Common Recruitment Test. If any candidate is found not fulfilling the prescribed age, qualification, experience and any other eligibility criteria as per the advertisement, at any stage of the recruitment process, even if the candidate figures in the merit list of the Common Recruitment Test, his/her candidature will be treated as cancelled without any further notice and the post will be forfeited. Candidature will be cancelled at any stage if any information or claim is not substantiated on scrutiny of the documents by the Institute.
- Additionally, candidature may be cancelled at any stage, including after selection, if any information or claims are not substantiated during document verification by the Institute.

## **Age Limit / Relaxation**

The cutoff date for age calculation for all the posts is 1st July 2024. On this date, candidates must be at least 18 years old and must not exceed 40 years of age.

- **SC/ST & OBC Candidates:** Age relaxation of up to 5 years is applicable as per the relevant guidelines and Government Orders (GOs) of the Government of Uttar Pradesh.
  - **Divyang/Disabled Candidates:** Age relaxation of up to 15 years is applicable in accordance with the guidelines and relevant GOs of the Government of Uttar Pradesh (Ref. GO.NO. 18/1/2008-Ka/2/2008 Karmik-Anubhag 2, dated 03.02.2008).
  - **Scribe/Writer for Divyang Candidates:** Divyang candidates requiring a scribe/writer for the examination will follow the applicable government rules, as per G.O. 7/2019/3/4/86-ka-2/2019, dated 04 December 2019. Candidates are responsible for arranging their own scribe/writer, as KGMU or the examination body will not provide one. They will have to inform and take permission from KGMU for the same much before the exam.
  - **Permanent Government Employees:** Employees who have rendered at least 3 years of regular and continuous service in the relevant field are eligible for up to 5 years of age relaxation, as per the guidelines and relevant GOs. Govt. of UP, Karmik Anubhag -4 2-E.M./2001-Ka-42013 dated 27.08.2013
  - **Ex-servicemen:** Age relaxation for ex-servicemen will be provided according to Uttar Pradesh Government rules, U.P. Govt Niyukti (kha) deptt. no. 5/1/66-niyukti (kha) dated 16.3.1970; shall be allowed to deduct the period of his service in the armed forces from his actual age and if the resultant age does not exceed the maximum age limit prescribed for the post/ service for which he seeks appointment by more than 03 years, he shall be deemed to satisfy the condition regarding the upper age limit. However, he should have rendered satisfactory approved military service in any wing of the army, navy, or air forces and he should be otherwise eligible for the post.
- **Application Process**

Candidates must be prepared with the following documents:

- a. Recent scanned coloured photograph in JPG/JPEG format (maximum file size: 80 KB).
- b. Scanned signature (maximum file size: 80 KB).
- c. A valid Email ID.
- d. Aadhaar Number.
- e. Mobile Number.
- f. Scanned images of mark sheets and certificates for 10th, 12th, Diploma, Graduation, and Post-Graduation (as applicable).
- g. Scanned images of Caste/Category/Sub-Category certificates, Domicile certificate, and Experience certificate (if applicable). Applicants in regular employment must submit a “NO OBJECTION CERTIFICATE” from employers.

A valid Email ID, Aadhaar Number, and Mobile Number are mandatory for submitting the online application. The registered Email ID and Mobile Number must remain active throughout the recruitment process, as King George’s Medical University, Lucknow will send important updates to these contacts. Applications submitted without the required application fee, documents, or information as per the notification will be liable for rejection.



## Steps for Online Application:

1. **Online Application:** Applications can only be submitted online at the website: [www.kgmu.org/job.php](http://www.kgmu.org/job.php).
2. **Registration:** Click on “Registration for New Users” to begin the registration process by providing your Name, Post Applied For, Date of Birth, Email ID, and Mobile Number.
3. **Receive Credentials:** After successful registration, you will receive a password via SMS on your registered mobile number and a user ID via email.
4. **Sign In:** Log in to fill out the application form by clicking on “Sign In for Existing Users” and entering your user ID and password.
5. **Complete Application:** Fill in the required details and submit the application form. After payment of the application fee, you will be able to view your complete application, including your photo, a confirmation message, and an Application Sequence Number for future reference.
6. It is mandatory for the candidate to tick the requested post while registering; otherwise his/her application will not be accepted.
7. **Payment:** Pay the requisite application fee online only. To avoid potential network issues, please complete your payment before the final deadline for fee submission. KGMU will not be responsible for any network outages. **Payment will be ONLINE MODE only.**
8. **Final Submission:** Once the form is submitted and the application fee is paid, candidates will not be able to edit or delete any information. However, candidates can edit and preview the application form before clicking the submit button. Please keep your Application Sequence Number and Password safe, as you will need them to log in and download your hall ticket/admit card, results, schedule, and for other exam-related activities.

No document including printed/ hard copy of online application forms are required to be sent by post. However, applicants are advised to keep one printed / hard copy of their application forms.

9. Test and city center will be allocated by KGMU, Lucknow.
10. **Application received without appropriate Application Fee, required documents & information as per entrance notification are liable to be rejected.**

Hence, Candidates are requested to fill in the online application form with utmost care as no correspondence regarding change of details will be entertained at later stage.

- **Admit Card**

No admit cards will be mailed to candidates. Admit card will be available for download on the KGMU website. Candidates must print their admit cards and bring them to the examination center. Entry to the examination center will not be permitted without a valid admit card.

- **Common Recruitment Test (CRT)**

The CRT will have a duration of 2 hours and will be of 100 marks, featuring multiple-choice questions (MCQs). The examination will primarily be conducted in English, with Hindi offered as an option where possible (for non-technical posts). Examination will be either computer-based or pen-and-paper format. The distribution of marks is as follows:

- 60 marks on subject(s) related to the post, corresponding to the required qualification level
- 10 marks for General English
- 10 marks for General Knowledge
- 10 marks for Reasoning
- 10 marks for Mathematical Aptitude

Each correct answer will earn 1 mark, while 1/3 mark will be deducted for each incorrect answer. There will be negative marking.

**Minimum qualifying marks for the CRT are:**

- **50% for General, EWS, and OBC candidates**
- **45% for SC and ST candidates**

No TA / DA shall be admissible for appearing in CRT. All Disputes or litigations shall be subject to the jurisdiction of Lucknow Court only. Vice-chancellor KGMU, Lucknow reserves the right to fill any or all advertised posts or not to fill the same without assigning any reason. In case of examination for any post held in multiple shifts, then Normalization formula shall be applicable (**Annexure-1**).

**Syllabus:** The syllabus is available on KGMU website.

**Note:**

1. Canvassing in any form will be a disqualification.
  2. Higher qualification will not be considered a disqualification for any post.
  3. Working experience in Government/semi-government organizations wherever applicable will include experience either on regular post or outsourced/contractual, with accompanying evidence based certificate. Applicant may be asked to submit an affidavit, if needed, that experience mentioned in the certificate is true and KGMU may verify the facts from the concerned Institution/ Party.
  4. For posts having experience as an Essential Criteria, experience acquired **after** obtaining the essential qualification will only be considered valid.
- **Resolution of Tie:** In the event of a tie between candidates, the following tie-breaking rules will be applied:
    1. **Total Marks in the Core Section:** Candidates will be ranked based on their total marks in the core section of the examination, with higher scores placing candidates higher on the merit list. The core section will consist of 60% of the questions pertaining to the core subject syllabus, as defined by the Examination Section of KGMU for each exam.
    2. **Number of Incorrect Answers:** If the tie persists, candidates with fewer incorrect answers or negative marks will be ranked higher on the merit list.
    3. **Date of Birth:** If a tie still exists, the older candidate will be placed higher on the merit list.

- **Selection Process:** The selection will be done based on the marks obtained in the Common Recruitment Test (CRT). There will be no interview as per “The Uttar Pradesh Direct Recruitment to Junior Level Posts (Discontinuation of Interview) Rules 2017” (No 4/2017/1/1/2017-Ka-2), dated 31 August 2017.
- **Final Merit List:** The final merit list will be prepared based on the marks obtained in the CRT only for all categories (i.e. GENERAL, OBC, SC, ST, EWS, etc) separately and rank will be awarded to all qualified applicants. While preparing the merit list for the General (Unreserved) category, all applicants (including those from the reserved categories) will be taken into consideration, but while preparing the merit list for a reserved category, only applicants of that category will be taken into consideration. The same method will be applicable in all reserved categories.
- **Results:** Examination marks will be declared on the website.
- **Verification of Documents**

Candidates will be invited for the physical verification of original documents at KGMU according to their merit list and category, following the declaration of examination marks. The schedule and dates for this process will be posted on the website. Please note that mere verification of documents does not guarantee an appointment.

- **Appointment Letters**

Appointment letters will only be issued to successful candidates based on the merit list and category, provided their documents have been verified.

- **Biometric Verification**

Biometric verification of candidates will be conducted at various stages, including during the examination, document verification, and after joining KGMU. Any instance of impersonation will be addressed rigorously in accordance with the law, resulting in the cancellation of candidature and potential legal action.

**Registrar**

## Score Normalization

### About Normalization

Normalization means adjusting values measured on different scales to a notionally common scale.

### Need for Normalization in Examination:-

Exam pertaining for a particular post/course could be spread across multiple shifts which will have different question paper for each shift. The normalization is to be done by considering the difficulty level of each set, since the questions may be different in different sets and the difficulty level of a particular set may be different from other sets.

Hence the normalization of scores need to be carried out for all the candidates who had written the exam, across shifts for the same post/course.

### Normalization Method:

The following has to be calculated for every shift for all the candidates who have written the exam for the same post:

- a. Average score for each Shift  $X_{av}$  = total marks scored by candidates in a shift divided by no. of candidates in the shift.
- b. Standard Deviation of score for each Shift. Standard Deviation is a measure that is used to quantify the amount of variation of a set of data values:

$N$  = Number of candidates

$X$  = Raw score of candidates

$L$  = Total Raw score for all candidates in a shift

$X_{av}$  = Average which is total marks divided by no. of candidates.

$x$  = Raw Score of candidate – Simple Average ( $XX_{av}$ )

Standard Deviation ( $S$ ) =  $(\sum x^2)/N$

### Normalization Formula

**Normalized Score for each candidate ( $X_n$ ) =  $X_n = (S_2/S_1)*(X - X_{av}) + Y_{av}$**

|          |   |
|----------|---|
| $S_2$    | Is the SD of the shift with the Highest Average Score taken as Base for normalization (Criteria for choosing the base for normalization is generally taken as the shift with 'Highest Average' of raw scores) |
| $S_1$    | Standard Deviation for the corresponding shift (to be scaled to $S_2$ )   |
| $X$      | Raw score of a candidate  |
| $X_{av}$ | Simple average of the shift   |
| $Y_{av}$ | Average corresponding to shift with highest Average (taken as Base for normalization)   |