



Seat Allotment Algorithm

General Rules:

- **TFW candidates have an option to fill the choices with TFW and without TFW seat. Choice with TFW will be processed only against TFW seats.**
- If candidates are eligible only in JEE(Main) (Architecture) then seat will be allotted using **ALGO-1**
- If candidates are eligible only in JEE(Main) (Engineering) then seat will be allotted using **ALGO-2**
- If candidates are eligible only in WBJEE General Merit Rank(Pharmacy) seats then seat will be allotted using **ALGO-3**
- If candidates are eligible only in WBJEE General Merit Rank(Engineering) seats then seat will be allotted using **ALGO-4**
- If a candidate is eligible in Multiple Ranks then he/she has to submit a single set of choice(s) for all the courses wherever eligible. **Accordingly a single best choice will be allocated using an iterative algorithm.** Sequence of Allotment will as follows
 - First JEE Architecture seats will be allotted based on AIR (Architecture AIR) using **ALGO-1**
 - Then JEE Engineering Seats will be allotted based on AIR (Engineering AIR) using **ALGO-2**
 - Then JEM seats(Pharmacy seats in all institutes other than Jadavpur University) will be allotted based on General Merit Rank(Pharmacy) using **ALGO-3**
 - Then JEM seats (Engineering seats, Architecture seats and Jadavpur Pharmacy seats) will be allotted based on General Merit Rank(Engineering) using **ALGO-4**

ALGO-1

- Filter all **JEE(Main) Architecture** registered candidates order by **AIR (Architecture)**.
- Get 1st candidate from the above merit list and get all their choices order by option no.
- **Get 1st Choice**
For West Bengal Domicile Candidates:
 - If Choice is **Without TFW**
 - For all candidates in **all institutes**: Choice will be allotted from OP_JEE seat only, if not available then go to Next choice.
 - **For other than West Bengal Domicile Candidates:**
 - If Choice is **Without TFW**
 - For all candidates in **all institutes**: Choice will be allotted from OP_ JEE seat only, if not available then goes to Next choice.

ALGO-2

- Filter **all JEE(Main) Engineering** registered candidates order by **AIR (Engineering)**.
- Get 1st candidate from the above merit list and get all their choices order by option no.
- **Get 1st Choice**
For West Bengal Domicile Candidates:
 - If Choice is **Without TFW**
 - For all candidates in **all institutes**: Choice will be allotted from OP_ JEE seat only, if not available then go to Next choice.
 - **For other than West Bengal Domicile Candidates:**
 - If Choice is **Without TFW**
 - For all candidates in **all institutes**: Choice will be allotted from OP_ JEE seats only, if not available then go to Next choice.



ALGO-3

- Filter **all WBJEE** registered candidates order by **General Merit Rank(Pharmacy)**
- Get 1st candidate from the above merit list and get all their **pharmacy choices**(in all institutes except than Jadavpur University) order by option no.
- **Get 1st Choice**
- **For West Bengal Domicile Candidates:**
- If Choice is **With TFW** Then Allot this Choice from TFW quota only else go to Next Choice.
- If Choice is **Without TFW**
- For all candidates in **all institutes** will be as follows as per their category and reservation applicable:

| S.N | category | Reservation | Sequence of Allotment |
|-----|----------|-------------|---|
| 1. | OP | PH | OP_JEM --> OPPH_JEM |
| 2. | SC | PH | OP_JEM --> OPPH_JEM --> SC_JEM --> SCPH_JEM |
| 3. | ST | PH | OP_JEM --> OPPH_JEM --> ST_JEM --> STPH_JEM |
| 4. | OBC-A | PH | OP_JEM --> OPPH_JEM --> OBCA_JEM --> OBCAPH_JEM |
| 5. | OBC-B | PH | OP_JEM --> OPPH_JEM --> OBCB_JEM --> OBCBPH_JEM |

For other than West Bengal Domicile Candidates:

- If Choice is **Without TFW**
- For all candidates in **all institute**: Choice will be allotted from OP_ JEM seat only, if not available then go to Next choice.

ALGO-4

- Filter **all WBJEE** registered candidates order by **General Merit Rank(Engineering)**
- Get 1st candidate from the above merit list and get all their choices (except pharmacy choices in all institutes other than Jadavpur University) order by option no.
- **Get 1st Choice**
- **For West Bengal Domicile Candidates:**
- If Choice is **With TFW** Then Allot this Choice from TFW quota only else go to Next Choice.
- If Choice is **Without TFW**
- For all candidates in **all institutes** will be as follows as per their category and reservation applicable:

| S.N | category | Reservation | Sequence of Allotment |
|-----|----------|-------------|---|
| 1. | OP | PH | OP_JEM --> OPPH_JEM |
| 2. | SC | PH | OP_JEM --> OPPH_JEM --> SC_JEM --> SCPH_JEM |
| 3. | ST | PH | OP_JEM --> OPPH_JEM --> ST_JEM --> STPH_JEM |
| 4. | OBC-A | PH | OP_JEM --> OPPH_JEM --> OBCA_JEM --> OBCAPH_JEM |
| 5. | OBC-B | PH | OP_JEM --> OPPH_JEM --> OBCB_JEM --> OBCBPH_JEM |

For other than West Bengal Domicile Candidates:

- If Choice is **Without TFW**
- For all candidates in **all institutes**: Choice will be allotted from OP_ JEM seat only, if not available then go to Next choice.