

UNITED SERVICE INSTITUTION OF INDIA

**Rao Tula Ram Marg
New Delhi - 110057**



COURSE GENERAL INSTRUCTIONS

for

DSSC (IAF) ENTRANCE EXAMINATION – JUL 2024

Notes

- 1. Please read these instructions carefully as they contain important information regarding the conduct of course.***
- 2. Your Course Index Number is***
- 3. Please quote this Index No along with your Personal/Service Number, Rank, Name, e-mail add and Parent Unit in all correspondence addressed to the United Service Institution.***

General

1. The United Service Institution of India (USI) will conduct a correspondence course to assist officers of the IAF to prepare for the Defence Service Staff College (DSSC) Entrance Examination to be held in July 2024. The course has been modelled with a simple **registration process**, wherein an offr can **register for the course on internet**, irrespective of his location. The course has been designed **for offrs, who do not have time or are located in areas with poor connectivity**. Officers are advised to go through the prospectus of USI of India uploaded on website for details regarding courses offered by USI of India.

Aim

2. The aim of the corres course is to assist IAF officers to prepare for DSSC Entrance Exam in a systematic and comprehensive manner, through guidance and correction besides issue of study mtrl.

Syllabus

3. The syllabus as intimated by Air HQ is att as Appendix 'A' for your reference.

4. The following subjects will be covered: -

- (a) Military History and Employment of Air Power (MH and AP).
- (b) Current Affairs, National Security and Geopolitics (CA).

5. Fee structures are as under: -

(a) **Military History & Emp of Air Power - Correspondence Mode.**

(i) Course fee - Rs 3000 + *Rs 1500

(b) **Current Affairs, National Security & Geopolitics.**

(i) ONLINE Course Fee - Rs 4000 + *Rs 1500

(ii) Correspondence Course Fee - Rs 3000 + *Rs 1500

(c) Register by e-mail earliest and pay by Link provided / Net banking to gain max benefit.

Note. * Rs 1500 is the USI Course membership fee if not a Life / Ordinary member already. To be paid only once for the year which will cater for both subjects.

Duration

6. The course will be conducted from 2nd week of Jan 2024 to second week of June 2024. The entrance examination is scheduled in July 2024.

Conduct

7. The course is essentially oriented towards preparing you for a competitive exam in a planned and sequential manner. The conduct of the correspondence course

is through despatch of test papers for all/chosen subject(s) at regular intervals. These test papers are set by experienced DS who are updated, on the pattern of the actual examination and cover all important aspects of subject(s) in a graduated manner. Online classes for the IAF offrs who subscribe for it will be conducted for CA alongwith Online Pre-Staff Course (OPSC) of Army Offrs. This will involve presentations on current topics and Question Answer Sessions for clarifying doubts. Dates for CA leg of USI OPSC 2024 is att as Appendix 'C'.

8. **Study Mtrl.** Specially prepared 'add on' study mtrl will be issued. It may be appreciated that this mtrl is only to assist comprehension and does not claim to substitute the prescribed/recommended books/periodicals/publications.

(a) **CA.**

(i) International & Domestic Scene – Commencing from qtr Oct-Dec 2023. The updates will be sent every quarter after commencement of the course.

(ii) Precis on Air Power.

(b) **MH.**

(i) Handouts and booklets are planned to be issued for some of the campaigns in the syllabus.

(ii) Link for latest IAF Doctrine to be downloaded from Internet.

(iii) Pamphlets are proposed on: -

(aa) Indo – Pak War 1965 and 1971 on Air Aspects.

(ab) World War II (North African Campaign).

(ac) Air Operations in Vietnam.

(ad) Battle of Britain.

(ae) Arab – Israeli War 1967 & 73.

9. The USI will also be issuing some open source study material mainly on current issues to the student officers as soft copies. (This will not include question and answer papers which will continue to be issued as hard copies only).

Correction of Papers

10. To derive full benefit from the course, students should answer the test papers under exam /near exam conditions and send their answer books to USI for correction by the Directing Staff (DS). Guidance contained in Appx 'B' should be noted while answering questions in the test paper(s).

11. The student answer papers on receipt at the USI will be corrected by experienced and qualified instructors and returned to the concerned student. Suggested answers will be sent along with other course mtrl. You would appreciate that merely reading an answer can never teach you how to answer a given question in reqd No of words, in given time. Hence, the importance of writing.

12. The Course has been **modelled as an 'Interactive Course'**. **Enrolment to correspondence course entitles to its students, free of cost detailed clarification and amplification on subject(s) raised by the students by correspondence/emails.** The offrs have been regularly asking questions and have been very active from the time it has started. All such correspondence/email should, however, be addressed to

the Director Courses of USI of India in the mail add provided (and not to the DS direct) quoting their course Index No and Mob Nos. Answers to common questions are issued as addl handouts.

Tentative Course Material Despatch Schedule

13. One set of Question Papers each will be dispatched every month from Jan to May 2024. In all five sets will be dispatched. Last Current Affair Paper will be sent in June 2024 to cover issues as late as possible.

Despatch of Course Material

14. Course material will be despatched by normal post. **The USI will not be responsible for any loss of material.** The issue of duplicate material on account of non receipt of the same will only be in exceptional circumstances. The date of despatch will be notified on our website on quick link '**Msg from Director Courses**'.

15. We have observed in the past that course material sent by normal post to students attending courses of instr in trg est is often misplaced/delayed. You are, therefore, advised to ask for course mtrl to be sent by Regd Post (Rs 300/-) or by Speed Post on payment of Rs 600/- (ensure correct add given to USI during regn). This is expected to avoid loss of study material, facility of tracing, fixing accountability for the delay and enable you to track the dispatch online through tracking ID based on Mob No given.

Change of Address

16. Change of address should be notified to the Director Courses USI well in advance or imdt on occurrence by email. This is very important as otherwise the course material is likely to get delayed or even go astray.

Withdrawals

17. Withdrawal from the corres course is normally not permitted. However if during the first two months of the commencement of the course, if a student is unable to continue the course due to circumstances beyond his/ her cont, the USI may agree to the withdrawal as a spec case. In such a case, the student will be required to:-

- (a) Return all course mtrl issued to him/ her.
- (b) Pay actual expenses incurred by the USI on postage, stationery, correction wk and so on. This will be decided by the USI. Decision by the USI will be final.
- (c) In the event of acceptance of withdrawal from the course, the entrance (if applicable) and membership fee will NOT be refunded. After deducting appropriate amount as per Para 18(b) above, and after receipt of course material, the balance of tuition fee will be refunded to the student.
- (d) No refund will be allowed to a student if he wishes to withdraw from the course after two months of its commencement.

Security

18. Offr registered for the course is personally responsible and accountable for security of course material. Please ensure that it does not fall into unauthorised

hands. In case of any leakage of course mtrl/info, the offr registered will be personally responsible.

Copyright

19. The course mtrl issued to students is the copyright of the USI. The mtrl is supplied only on the express understanding that it will be confined to personal use of the students. **Making a copy of it and/or distributing it as a whole or of any part to anybody else, using any media, constitutes an infringement of the copyright of the USI, and suitable action may be initiated against those violating the copyright/ Intellectual Property Right (IPR).**

Correspondence

20. As only indl members can take the USI corres courses (and not units/ libraries/ formations),offrs should correspond with USI in their indl capacity and not through units. Units/fmns cannot subscribe to a course for/on behalf the officer(s) of the unit; this will be an infringement of the USI rules.

21. All answer papers and correspondence should be sent to the following address :-

The Director Courses
United Service Institution of India
Rao Tula Ram Marg,
Vasant Vihar PO, P B No. 8,
New Delhi – 110 057

22. Location

USI of India Complex (a) Tel : 20862320 Extn 207(Dir Courses)
Opposite Signals Enclave and DGIS 208 (DS Coord) and
(Adjacent to AWWA Hostel / and IDSA) 210 (Supdt Course Sec)
Delhi Cantt – 110 010 **email : dircourses@usiofindia.org**

(b) Tel : 20862325 (Dir Courses Direct Line)

Conclusion

23. The success of the corres course to help the student officers and the extent of the benefit derived from it, essentially depends on the 'students'. The "add on" course mtrl sent should be only considered as a supplement to the prescribed study mtrl as given in the syllabus. It is emphasized that in order to derive max benefit from the course, students should put in their effort & study and cooperate with the USI of India by adhering to the time-schedule and answering the test papers. Unless this is done, neither the students nor the DS or USI can assess how effective the course is, and what further improvement is required to make it more useful for the students. By not attempting the test papers the students will lose the opportunity of appropriate guidance by the DS, who are selected from amongst highly experienced and qualified retired/serving officers. By adhering to the instructions, students will

benefit through receipt of personalized guidance, that will enable them to do well in the DSSC entrance exams.

USI of India

**RECOMMENDED STUDY MATERIAL: MILITARY HISTORY
AND EMPLOYMENT OF AIR POWER**

1. Recommended study material forming a part of 'Must know' category is annotated below: -

- (a) Arab-Israeli Wars of 1967, 1973 and Bekka Valley Operation of 1982.
- (b) Gulf War (Operation Desert Storm 1991).
- (c) Gulf War II.
- (d) Operation Enduring Freedom.
- (e) Operation Opera (Strike on Osirak).
- (f) Operation Thunderbolt (Raid on Entebbe).
- (g) Armenia – Azerbaizan War.
- (h) Armed conflict in Kosova.
- (j) IAF Doctrine.
- (k) Air Defence organization in India (Inclusive of air space management in the TBA).
- (l) IAF Transport and Helicopter operations.
- (m) Indo-Pak wars of 1965 and 1971.
- (n) Op Safed Sagar (Kargil).
- (o) Employment of air Power for CI Ops/ LICO.
- (p) ISR Techniques and their employment in modern warfare.
- (q) Targeting for effects (EBO).
- (r) Drone and anti Drone warfare.
- (s) Space based assets 7 exploitation in modern warfare.
- (t) IAF Operation in Kashmir (1947-48).
- (u) IAF History.
- (v) India's Space Program, space-based weapons and impact on air warfare.

2. Recommended study material forming a part of 'Should Know' category is annotated below:-

- (a) Development of aircraft, weapons, organization and doctrine since the First World War.

- (b) Military strategists and thinkers like Chanakya, Sun Tsu, Clausewitz, Guderian, Boyd and Mahan and their important theories.
- (c) Air power thinkers like Douhet, Mitchell, Trenchard and Warden and their important theories.
- (d) Battle of Britain.
- (e) Falklands War.
- (f) German Campaign for Crete with emphasis on air ops.
- (g) Strategic Bombing Campaign in World War – II.
- (h) Op Market Garden.
- (j) Op Overlord.
- (k) Attack on Pearl Harbour.
- (l) Battle of Midway, Guadal Canal and Coral sea.
- (m) Indo-China war of 1962.
- (n) Air War in Vietnam.
- (o) Op Cactus (Male).
- (p) Op Pawan.
- (q) Concept of employment of AWACS/ AEW systems.
- (r) Aerospace Power capabilities of China & Pakistan.
- (s) Recent Technological Developments that transformed Air Power.

3. Recommended study material forming a part of ‘**Could Know**’ category is annotated below: -

- (a) Beginning of military aviation in Europe and USA and the use of Air Force during the First World War.
- (b) Peace Keeping and Peace Enforcement operations through Air Power.
- (c) The importance and techniques of Electronic & Information Warfare.
- (d) Indian Guided Missile Development Program.
- (e) India’s Nuclear Doctrine.
- (f) Organisation of HQ IDS.
- (g) Emerging technologies like AI, Quantum computing, Big data analysis, Nano technology etc and their applicability in future combat systems.
- (h) Aerospace Power capabilities of Modern Air Forces.

4. In addition to the books listed in the CAS reading list, following books may be referred.

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|-----------------------------------|-----------------|
| (a) The Arab Israeli Wars | - Chaim Herzog |
| (b) Battles of the Falkland War | - Smith |
| (c) Critical Analysis of Gulf War | - Harry Summers |

- (d) Battle of Britain - Colle B
- (e) Full Spectrum: India's Wars, 1972-2020 - Arjun Subramaniam
- (f) Air campaign: planning for combat - Col John Warden III
- (g) 1962: The War that Wasn't - Shiv Kunal Verma
- (h) India's Wars: A Military History 1947-1971 - Arjun Subramaniam
- (j) Air Warfare in the Missile Age - Lon O Nordeen
- (k) Kargil 99 - Air Cmde Jasjit Singh
- (l) Eagles over Bangladesh: IAF in 1971 War
Chopra - Jagan Mohan/ Samir
- (m) Nuclear India - Air Cmde Jasjit Singh
- (n) Air Power at 18000: IAF in Kargil War - Benjamin S Lambeth
- (o) Air Power in 1947-48, 1962 & Srilanka - Air Mshl Bharat Kumar
- (p) World War II - JFC Fueller
- (q) Review of Air Power in CI Ops - Air Cmde AK Tiwary
- (r) Modern War in an Ancient land - Edmund Degen
- (s) Arthashastra - Chanakya
- (t) Air Power and the Ground War in Vietnam - Dr Donald J Mrozek
- (u) Raid on the Sun - Roger W Claire
- (v) Black Garden: Armenia and Azerbaizan
Through Peace and War - Thomas de Waal
- (w) Operation Cactus: Anatomy of one of
India's Most Daring Military Operations - Ashok K Chordia
- (x) Operation Pawan: Role of Air Power with IPKF - Air Mshl Bharat Kumar
- (y) On War - Clausewitz
- (z) The Art of War - Sun Tsu
- (aa) The Command of the Air - Giulio Douhet
- (ab) IGMDP - DRDO
- (ac) India's Space Programme: India's Incredible
Journey from the Third World Towards the First - Gurbir Singh
- (ad) Pakistan Insights - Tilak Devashar
- (ae) Defence from the Skies - Jasjit Singh
- (af) War in the Indian Ocean - Mihir Roy
- (ag) From Surprise to Reckoning - K Subramanyam
- (ah) The Spread of Nuclear Weapons
Waltz - Scot Sagan & Kenneth
- (aj) The transformation of American Air Power - Benjamin Lambeth

- (ak) The First World War - Hew Strachan
- (al) My Years with the IAF - PC Lal
- (am) A History of Air Warfare - John Olsen
- (an) Air Power and Armies - Slessor
- (ao) Space : The Frontier of Modern Defence - KK Nair
- (ap) A Military History of China - David Graft & Robin Higham
- (aq) Pursuit of Power - Willam McNeill

5. **Periodicals**

- (a) USI Journal
- (b) IDSA Journal
- (c) Strategic Analysis
- (d) Indian Defence Review
- (e) Air Power by CAPS
- (f) Aviation week and space technology
 - (i) Military Technology
 - (ii) The Chanakya Aero space & Marine Review

RECOMMENDED STUDY MATERIAL: CURRENT AFFAIRS

1. Recommended study material forming a part of ‘**Must Know**’ category is annotated below: -

- (a) Major Defence organisations and treaties in the world.
- (b) UN role in Peacekeeping/Peace enforcement operations.
- (c) Defence R&D and Defence production in India in the backdrop of Atmanirbhar initiative.
- (d) ‘Five Trillion economy’ dream of India.
- (e) Higher Defence Organisation.
- (f) Current events in the world and India with history of development of the issue/problems/events and its current status/position.
- (g) Personalities in the news.
- (h) The current trend of boundary dispute settlement through aggression (Russia-Ukraine, Armenia-Azerbaijan) & its impact on India’s prospects.
- (j) OBOR/BRI.
- (k) Oil, water & renewable energy-problems and prospects.

2. Recommended study material forming a part of ‘**Should Know**’ category is annotated below:-

- (a) Centre – State relations.
- (b) Insurgency in India.
- (c) Arms control and Arms Limitation talks, treaties, problems and prospects including Major Nuclear Treaties e.g. NPT/CTBT ect.
- (d) India’s Economic Survey – Defence Budget and expenditure.
- (e) Major aspects of current Indian foreign policy.
- (f) QUAD and ANKUS.
- (g) India’s foreign policy initiatives with immediate neighbours.
- (h) India’s permanent membership in UNSC.
- (j) Industrial and technological breakthroughs.
- (k) Multilateral organisations e.g. ASEAN, SCO, G-14, BIMSTEC, UN, World Bank, IMF, WTO, OPEC, Commonwealth, KYOTO Protocol, G-20 etc.
- (l) Environmental pollution and degradation with special emphasis on natural resources.

3. Recommended study material forming a part of ‘**Could Know**’ category is annotated below:-

- (a) Major political ideologies and systems e.g. Democracy, Dictatorship, Communism, Socialism, Monarchy etc.
- (b) Parliamentary government, Party system, Presidential system of government.
- (c) Major sports events in India and abroad.
- (d) Five year plans and Niti Ayog.
- (e) Aatma Nirbhar Bharat.

4. **Recommended Reference Books/ Material.**

- (a) Centre/ State Relations (Sarkaria Commission Report)
(This is a voluminous report. Only abridged Abstracts need to be read)
- (b) Military Year Book - Jayant Baranwal
- (c) Economic Survey of India (for last 2 years)
- (d) Year book on Indian Foreign policy - Any good publisher
- (e) Year books - Manorama
- (f) Dailies, Weeklies, Fortnightlies and monthly magazines - Reputed publishers
- (g) Periodicals on current affairs - Reputed publishers
- (h) Union Budget (for last 2 years)

GUIDANCE FOR ANSWERING TEST PAPERS

1. Gen Instructions for answering test papers of all subjects are given below:-
 - (a) Write your No, rank, name and Index No on the top right hand corner of your answer book. Leave the rest of the page blank.
 - (b) Do not write on the first page of the answer book. The DS will use it for writing his personal comments on your effort.
 - (c) Write only on the right side of the answer sheet. Opposite side will be used for answer wise comments.
 - (d) All questions normally will be obligatory unless indicated in the test paper.
 - (e) Answer the questions in their serial order and in your own hand.
 - (f) If you do not answer a question or wish to answer it later, write its question No, leave the appropriate blank space for it and go to the next question.
 - (g) Limit your answers to word limits as indicated.
 - (h) Do not write the questions on your answer book.
 - (j) Tag the answer book properly. Do not leave loose sheets otherwise transit loss may occur.
 - (k) Follow Staff Duties and abbreviations given in Joint Services Staff Duties Manual, Vol I.
 - (l) Try and answer the paper in three hours. However, if you take extra time, draw a red line indicating the portion covered in three hours. Also indicate at the end the total time taken. If you cannot sit continuously for three hours do a couple of questions – note the time taken and later carry on. This is not a good method as the tempo is broken, but it is better than nothing.
 - (m) Answer papers under exam like conditions, without taking outside help.
2. These instructions will not be repeated subsequently. Therefore do not misplace them. If there are any spec instrs, these will be given in respective papers. The total number of questions in test papers will also be indicated, there in.
3. Answer sheets will only be corrected which are received before 30 days of the actual exam.

Appendix 'C'
(Refers to Para 7)

DATES FOR CA LEG OF USI OPSC 2024

Schedule	Dates	Remarks
Capsule 1	19, 20, 21 & 22 Feb (02 x S) Test - 24 Feb (FN)	1. 04 Sessions daily 2. <u>Time</u> 1000h – 1400h (Addl Q / A session 1400h – 1430h) 3. <u>Session</u> – 60 Mins 40 Mins – Lec 20 Mins – Q/A 4. <u>Subject & Session</u> CA - 14 5. <u>Sunday</u> OTW & Adm 6. <u>Legend</u> Forenoon - FN Session - S 7. <u>Mock Test Day Timing / Activities</u> FN – 1000 – 1300h (Also clarification of Doubts from Basic DS) 8. <u>Misc</u> Online Platform - WEBEX
Capsule 2	04, 05, 06 & 07 Mar (02 x S) Test - 09 Mar (FN)	
Capsule 3	18, 19, 20 & 21 Mar (02 x S) Test - 23 Mar (FN)	
Capsule 4	01, 02, 03 & 04 Apr (02 x S) Test - 06 Apr (FN)	
Capsule 5	15, 16, 17 & 18 Apr (02 x S) Test - 20 Apr (FN)	
Capsule 6	29, 30 Apr, 01 & 02 May (02 x S) Test - 04 May (FN)	