



Government of West Bengal

CAREER HANDBOOK

Labour Department
Directorate of Employment
67, Bentinck Street, 4th floor, Kolkata-700069

Contents

Different Career Opportunities

• After 10th Standard

- ✓ *Higher Studies (Class XI, XII)*
- ✓ *Vocational stream in 11th and 12th class*
- ✓ *ITI Courses*
- ✓ *Polytechnic Courses*
- ✓ *Paramedical Courses*
- ✓ *Short term Courses*
- ✓ *Career opportunity After 10th in Armed Forces*
- ✓ *Central Government Competitive Examination After 10th*
- ✓ *State Government Competitive Examination After 10th*

• After 12th Standard

- ✓ *Higher Studies after 12th (Graduation/B.Tech/M.B.B.S./Diplomas)*
- ✓ *Entrance Tests After 12th*
- ✓ *Central Government Competitive Examination After 12th*
- ✓ *State Government Competitive Examination After 12th*

• After Graduation

- ✓ *Higher Studies after Graduation (Masters/Short Term Professional Courses)*
- ✓ *Central Government Competitive Examinations After Graduation*
- ✓ *State Government Competitive Examination After Graduation*

• After 10th Standard

❖ Higher Studies (Class XI, XII)

After 10th, most students choose to continue schooling. They have three main streams to choose from (for 11th and 12th schooling). They are :

- Science
- Arts
- Commerce

Science Stream Subjects

When it comes to Science stream, there are two main groups within it. They are :

- **Biology Group (Physics, Chemistry and Biology as main subjects)**
- **Mathematics Group (Physics, Chemistry and Mathematics subjects)**

Physics, Chemistry, English and Mathematics/Biology are compulsory subjects. Students have to choose an optional subject other than them. Usually, availability of such optional subjects may vary from one board to another and from one state board to another.

Arts Stream Subjects

Some of the important subjects present in 11th and 12th Arts stream schooling are :

English	History	Geography
Political Science	Economics	Other literature subjects- Hindi, regional languages etc
Psychology	Music	Home Science
Physical Education	Public Administration	Mathematics
Computer Science	Fine Arts	Sociology

Note: Not all the subjects have been mentioned above. Many of the above-mentioned subjects fall under the 'optional subject' category. Students have to select optional courses and form a 'course combination' to pursue throughout 11th and 12th. Professional courses after 12th and career, to an extent, depends upon this course combination.

Commerce Stream Subjects

For both Class 11 and 12 Commerce students, the five subjects that are mandatory are – Accountancy, Business Studies, Economics, Mathematics/ Informatics Practices and English. Apart from these subjects, optional subject are Entrepreneurship and Physical Education.

❖ Vocational stream in 11th and 12th class

After 10th, several boards offer vocational streams in class 11th and 12th to help you prepare for a job immediately after the completion of class 12th. You can choose two or more vocational subjects along with compulsory languages. Depending upon in which board you are enrolling into, your vocational subject choices could be :

Sl No.	Courses	Sl No.	Courses
1	Accountancy and Taxation	32	Graphic Design Technician
2	Air-conditioning and Refrigeration	33	Health and Beauty Studies
3	Auto Shop Repair and Practice	34	Healthcare Science
4	Automotive Banking	35	Horticulture
5	Banking and Insurance	36	Hospitality Management
6	Beauty and Wellness	37	Information Technology Insurance
7	Business Administration	38	IT Application
8	Business Operations and Administration	39	Library and Information Science
9	Capital Market Operations	40	Logistics Operations and Supply Chain Management
10	Civil Engineering Technician	41	Marketing and Salesmanship
11	Clinical Biochemistry and Microbiology	42	Mass Media Studies and Production
12	Computer Theory & System Analyst	43	Mechanical Engineering Technician
13	Construction Technology	44	Medical Diagnostics
14	Cost Accounting Crèches and Pre-school Management	45	Music Production
15	Database Management Applications	46	Office Procedures and Practice
16	Design and Innovation	47	Office Secretary
17	Electrical Appliances	48	Offset Printing Technician
18	Electrical Machines	49	Operations and Maintenance of Communication Devices
19	Electrical Technology	50	Retail Operations
20	Electronics Technology	51	Salesmanship
21	Environment Education	52	Security
22	Exterior & Interior Design	53	Stenography and Computer Application
23	Fashion Design and Garment Technology	54	Taxation
24	Financial Accounting	55	Telecommunication & Electronic Technician
25	Financial Market Management	56	Textile Design
26	Food and Beverage Services	57	Transport Systems and Logistics Management
27	Food Nutrition and Dietetics	58	Travel and Tourism
28	Food Production	59	Troubleshooting and Maintenance of Electronic Equipment
29	Front Office Operations	60	Typography and Computer Application
30	Garment Construction	61	Web Applications
31	Geospatial Technology	62	X-Ray Technician

❖ Industrial Training Institute (ITI) Courses

Course Duration : 6 months to 3 years

Entrance Examination:

- ✓ **Common Entrance Test (CET)** conducted by West Bengal State Council for Vocational Training.
- ✓ **Duration of examination:** 2 hours.
- ✓ **Types :** Technical and Non-technical
- ✓ **Eligibility Criteria :**

Candidates should be at least 14 years of age.

- You must have cleared class 10th/ class 8th in the regular mode.
 - The school from which you complete your degree must come under a recognised board of education.
 - It is mandatory for you to have received passing marks in all the exams that you have in class 10th/ class 8th.
 - Depending upon the choice of ITI course in which you seek admission, you must compulsorily have some subjects at the class 10th / class 8th level.
-
- **Subjects covered :** Science, Mathematics, English and General Awareness
 - **Official Website :** <http://wbscvt.net/>

ITI Courses after 8th Class

Name of the Course	Stream	Duration
Weaving of Fancy Fabric	Non-engineering	1 year
Wireman Engineering	Engineering	2 years
Cutting & Sewing	Non-engineering	1 year
Pattern Maker Engineering	Engineering	2 years
Plumber Engineering	Engineering	1 year
Welder (Gas & Electric) Engineering	Engineering	1 year
Book Binder	Non-engineering	1 year
Carpenter Engineering	Engineering	1 year
Embroidery & Needle Worker	Non-engineering	1 year
Mechanic Tractor	Non-engineering	1 year

ITI Courses after 10th Class

Name of the Course	Stream	Duration
Tool & Die Maker Engineering	Engineering	3 years
Draughtsman (Mechanical) Engineering	Engineering	2 years
Diesel Mechanic Engineering	Engineering	1 year
Draughtsman (Civil) Engineering	Engineering	2 years
Pump Operator	Engineering	1 year
Fitter Engineering	Engineering	2 years
Motor Driving-cum-Mechanic Engineering	Engineering	1 year
Turner Engineering	Engineering	2 years
Dress Making	Non-engineering	1 year
Manufacture Foot Wear	Non-engineering	1 year
Information Technology & E.S.M. Engineering	Engineering	2 years
Secretarial Practice	Non-engineering	1 year
Machinist Engineering	Engineering	1 year
Hair & Skin Care	Non-engineering	1 year
Refrigeration Engineering	Engineering	2 years
Fruit & Vegetable Processing	Non-engineering	1 year
Mech. Instrument Engineering	Engineering	2 years
Bleaching & Dyeing Calico Print	Non-engineering	1 year
Electrician Engineering	Engineering	2 years
Letter Press Machine Mender	Non-engineering	1 year
Commercial Art	Non-engineering	1 year
Leather Goods Maker	Non-engineering	1 year
Mechanic Motor Vehicle Engineering	Engineering	2 years
Hand Compositor	Non-engineering	1 year
Mechanic Radio & T.V. Engineering	Engineering	2 years
Mechanic Electronics Engineering	Engineering	2 years
Surveyor Engineering	Engineering	2 years
Foundry Man Engineering	Engineering	1 year
Sheet Metal Worker Engineering	Engineering	1 year

• ITI Course Exam and Certification

- On the completion of the classwork, candidates have to appear for the AITT (All India Trade Test) that is organized by NCVT (National Council for Vocational Training).
- Once the candidates pass the AITT, candidates will be awarded a National Trade Certificate that will enable them to practice different courses.

❖ Polytechnic Diploma Courses in Engineering and Technical Fields

Course Duration : 3 years

Entrance Examination :

- ✓ **JEXPO (Joint Entrance Examination Polytechnic)** conducted by West Bengal State Council of Technical & Vocational Education & Skill Development every year for selection of eligible candidates of 10th standard to first year of diploma courses.
- ✓ **Exam duration** : 4 hours, **Total Marks** : 200
- ✓ **Eligibility** : Passed/appeared 10th standard with at least 35% marks in aggregate.
- ✓ **Subjects covered** : Mathematics, Physics and Chemistry
- ✓ **Official Website** : <http://webscte.org/>

The top 20 polytechnic diploma courses are :

Courses	Courses	Courses	Courses
Computer Engineering	Cyber Forensics & Information Security	Digital Electronics	Applied Electronics & Instrumentation
Electrical & Electronics	Electronics	Biomedical Electronics	Information Technology
Mechanical Engineering	Medical Electronics	Mechatronics	Power Electronics
CAD-CAM	3-D Animation & Graphics	Apparel Design & Fashion Technology	Chemical Technology
Civil Engineering	Civil Engineering (Environmental)	Food Processing	Water Technology

❖ Paramedical Courses

- **What is paramedical course?**

Paramedical courses are **medical training courses that are job oriented**.

Paramedical courses are quite training specific and train the students for real-life medical situations.

- **Types :**

Students have two options to choose for Paramedical Courses after 10th. Those are

1. Paramedical Diploma courses
2. Paramedical Certificate courses

- **No Entrance Examination**

Unlike medical entrance exams, there are no such mandatory entrance exams to undertake a course on paramedics. The only requirement is the minimum qualification criteria that are minimum 10th or 12th standard. However, some institutions might conduct their entrance exams for admissions.

- Science is generally a mandatory requirement for certificate courses. However, it is not necessary for diplomas.

Paramedical Diploma Courses after 10th		
SL.NO	Course Name	Duration
1	Diploma in Operation Theatre Technology	2 years
2	Diploma in X-Ray Technology	2 years
3	Diploma in Audiometry	2 years
4	Diploma in Audiology and Speech Therapy	1 year
5	Diploma in ECG Technology	2 years
6	Diploma in Sanitary Inspector	1 year
7	Diploma in Dialysis Techniques	2 years
8	Diploma in Medical Record Technology	2-3 years

Paramedical Certificate Courses after 10th		
SL.NO	Course Name	Duration
1	X-ray Radiology Assistant	6 months to 1 year
2	Medical Laboratory Assistant	6 months to 1 year
3	ECG Assistant	1 year
4	Dental Assistant	6 months to 1 year
5	CT Scan Technician	1 to 2 years
6	MRI Technician	1 year
7	Nursing Care Assistant	2 years
8	Operation Theatre Assistant	6 months to 2 years

Paramedical Certificate Courses after 12th		
SL.NO	Course Name	Duration
1	Dialysis Technician	2 years
2	Emergency Medical Technician	1 year
3	Hospital Store Assistant	6 months
4	Medical Laboratory Technology	2 years
5	Operation Theatre Technician	2 years
6	Vision & Optometry Technician	1 year
7	X-Ray and Imaging Technology	2 years
8	Cardiac Technology	2 years
9	Phlebotomy Technician	6 months

Career Opportunities after Diploma / Certificate Paramedical Courses

Employment Areas	Government Hospitals Community Health Centers (CHCs) Private Hospitals Nursing Homes Medical Writing NGOs Medical Colleges Private Clinics Doctor's Offices Healthcare Systems Clinics Assistant Technician Dialysis Technician Laboratory Technician
Job Profiles	Health Information Technician Billing and Coding Technician Medical Receptionist Medical Office Manager Medical Coder Emergency Nurses Infection Control Nurse Community Health Nurse
Salary Package	Can vary from INR 1 LPA - INR 2.5 LPA or more. The salary package increases with experience

❖ Short-Term Courses

- For those who wish to decide about graduation after some work experience can pursue several short-term certificate and diploma courses after 10 to get directly placed in reputed organisations.
- Students who wish to add value to their resumes can also pursue some of the certificate courses after 10th.

Diploma Courses after 10th in Science

Courses	Course Fee Rs.	Course Duration	Admission Procedure	Expected Salary Rs.
Diploma in Engineering	50,000 to 1,00,000	3 years	*Merit basis *Entrance based admission *Some Private colleges also offer direct admission	20,000 - 25,000 per month
ITI Vocational Courses	1,000 to 5,000	6 months - 2 yrs	*Through AITT entrance exam	15,000 - 20,000 per month
Diploma in Medical Courses	35,000 to 40,000 per semester	2 years	*Entrance Test *Direct admission	10,000 - 15,000 per month
Diploma in Information Technology	10,000 to 50,000	6-12 months	*Entrance Test *Direct admission	12,000 - 30,000 per month
Diploma in Architectural Assistantship	30,000 to 50,000	3 years	*Merit-based admission	1 lakh to 1.5 lakh per annum

Top Careers after pursuing diploma/certificate courses after 10th in Science

- Lab Assistants
- ITI in Building Management
- MRI Technician
- Web Developer
- Architect Assistant

Short Term Courses after 10th in Arts

Courses	Courses Fee Rs.	Course Duration	Admission Procedure	Expected Salary Rs.
Beautician and hairdressing	4,000 to Rs.20,000	3 months - 1 year	Direct admission	1.5 lakh to 2 lakh per annum
Event Management	20,000 to 1,00,000	6 months - 1 year	Merit-based	15,000 to 25,000 per month
Graphic Design	10,000 to Rs. 50,000	6 months - 8 months	Merit-based Direct admission	2 lakh - 2.5 lakh per year
Social Media Marketing	35,000 to 45,000	6 months - 12 months	Direct admission	1.8 lakh to 2.8 lakh per annum
Diploma in Food Technology	25,000 to 50,000 per year	3 years	Entrance Test Direct admission	2 lakh to 2.5 lakh per annum

Top Careers after pursuing diploma/certificate courses after 10th in Arts

- Beautician
- Event Manager
- Graphic Designer
- SEO Analyst
- Nutritional Therapist

❖ Career Opportunity After 10th in Armed Forces

▪ **Indian Air Force – Non-Technical Cadre**

- ✓ IAF Airman Non-Technical Trade's Examination

▪ **Indian Army – Soldiers Posts in Technical Cadre**

- ✓ Indian Army Soldier Clerk's Examination
- ✓ Indian Army Soldier General Duty Examination (NER)
- ✓ Indian Army Soldier Technical Examination (MER)
- ✓ Indian Army Soldier Nursing Assistant Examination (MER)

▪ **Indian Navy – Armed Forces of India Naval Branch**

- ✓ Indian Navy Dock Yard Apprentices Examination
- ✓ Indian Navy Sailors Matric Entry Recruitment Examination
- ✓ Indian Navy Artificer Apprentices Examination

▪ **Central Reserve Police Force (CRPF)**

- ✓ Constable (Technical and Tradesman) in CRPF

▪ **Border Security Force (BSF)**

- ✓ BSF Constable Exam

▪ **Staff Selection Commission (SSC)**

- ✓ SSC Multitasking (Non-Technical) Staff Recruitment
- ✓ SSC GD Constable

❖ Central Government Competitive Examination After 10th Standard

RBI Office Attendant Examination	
Organization	Reserve Bank of India
Name of the post	Office Attendant
Eligibility	10 th class pass, 18 to 25 years of age
Selection Process	Online Test & Language Proficiency
Category	Bank Jobs
Official Website	www.rbi.org.in

SSC MTS (Staff Selection Commission-Multi Tasking) Non-Technical Staff Examination	
Conducting Body	Staff Selection Commission (SSC)
Exam Level	National Level
Exam Frequency	Once a year
Eligibility	10 th class pass, 18 to 27 years of age
Exam Mode	Paper-I: Online Paper-II: Offline
SSC MTS Exam Duration	Paper -I: 90 minutes Paper-II: 30 minutes
Official Website	www.ssc.nic.in

RRB Group D Recruitment Examination (RRC Level 1)	
Organization	Railway Recruitment Board (RRB)
Exam Name	RRB Group D Exam
Exam Level	National Level
Eligibility	10 th class pass/ITI, 18 to 33 years of age
Mode of exam	Computer-based test (Online)
Selection stages	<ul style="list-style-type: none"> • Computer Based Test • Physical Efficiency Test (PET) • Document Verification (DV) • Medical Test
Job Location	Across India
Official Website	www.indianrailways.gov.in

Indian Coast Guard Recruitment Examination	
Organisation	Indian Coast Guard (ICG)
Posts	Navik (Domestic Branch) and Yantrik
Job Category	Defence jobs
Application Mode	Online
Eligibility	Male Indian Citizen, Age – 18 – 22 years, 10 th class pass
Selection Process	<ul style="list-style-type: none"> • Written Examination • Physical Fitness Test • Document Verification • Medical Test
Official Website	www.joinindiancoastguard.cdac.in

Ministry of Defence Recruitment Examination	
Organization	Ministry of Defence
Posts	Messenger, Safaiwala, Supervisor, Overseer
Application Mode	Offline Postal Application
Eligibility	10 th class pass, 18 to 25 years of age, 27 years for Supervisor & Overseer
Category	Defence Jobs
Selection Process	Written test, skill & Physical Test
Official Website	www.indianarmy.nic.in

RBI Security Guard Recruitment	
Conducting Body	Reserve Bank of India
Post	Security Guard
Category	Govt Jobs
Eligibility	10 th class pass, 25 - 45 years of age
Job Location	Across India
Selection Process	Online Test - Physical Test
Official Site	www.rbi.org.in

Indian Navy Sailor MR Recruitment Examination	
Organization Name	Indian Navy
Post	Sailors for Matric Recruit
Mode Of Application	Online
Category	Defence Jobs
Eligibility	Unmarried Males, 10 th class pass, 17 - 25 years of age
Selection Process	Written Test – Physical Fitness Test – Medical Examination
Official Website	www.joinindiannavy.gov.in

Indian Army Soldier (General Duty) Recruitment Examination	
Organization Name	Indian Army
Post	Soldier (General Duty)
Mode Of Application	Online
Category	Defence Jobs
Eligibility	Unmarried Males / Females, 10 th class pass, 17 ^{1/2} -21 years
Selection Process	<ul style="list-style-type: none"> • Registration at Recruitment Rally • Document Verification • Physical Fitness Test • Medical Test • Common Entrance Exam (CEE)
Official Website	www.joinindianarmy.gov.in

BSF Constable Recruitment Examination	
Organization	Border Security Force
Post	Constable (General Duty)
Mode of Application	Online
Eligibility	Unmarried Males/Females, 10 th class pass, 18-23 years
Selection process	<ul style="list-style-type: none"> • Document Verification • Physical Fitness Test • Medical Test • Written Examination
Website	www.rectt.bsf.gov.in

ITBP Constable Recruitment Examination	
Organization	Indo Tibetan Border Police Force
Post	Constable (General Duty)
Mode of Application	Online
Eligibility	Unmarried Males/Females, 10 th class pass, 18-23 years
Selection process	<ul style="list-style-type: none"> • Document Verification • Physical Fitness Test • Medical Test • Written Examination
Website	www.rectt.bsf.gov.in

❖ State Government Competitive Examinations After 10th Standard

West Bengal Govt. Group 'D' Recruitment Examination	
Organization	West Bengal Group D Recruitment Board (WBGDRB)
Post	Group D
Mode of Application	Online
Eligibility	8 th Class pass, 18 – 40 years
Selection Process	Written test, Interview, Medical Test
Official Website	http://www.wbgdrb.in/

WBPS Clerkship Recruitment Examination	
Organization	WB Public Service Commission
Post	Clerical
Mode of Application	Online
Eligibility	10 th class pass / typing speed on computer of 20wpm in English or 10 wpm in Bengali, 18-40 years
Selection Process	Written test, Computer Test & Interview
Official Website	http://www.pscwbonline.gov.in/

Male & Female Constable Recruitment Examination in West Bengal Police	
Organization	WB Police Recruitment Board (WBPRB)
Post	Constable / Lady Constable
Mode of Application	Offline/Online, only Online for Lady Constable
Eligibility	MP pass, 18 – 27 years
Selection Process	Prelim Exam, Final Written test, Physical Measurement Test, Physical Efficiency Test, Interview, Medical Test
Official Website	http://policewb.gov.in/

WB Excise Constable (including Lady Constable) Recruitment Examination	
Organization	WB Police Recruitment Board (WBPRB)
Post	Excise Constable
Mode of Application	Offline / Online
Eligibility	MP pass, 18 – 27 years
Selection Process	Prelim Exam, Final Written test, Physical Measurement Test, Physical Efficiency Test, Interview, Medical Test
Official Website	http://wbpolice.gov.in/ & http://excisewb.gov.in/

WB Forest Department Bana Sahayak (Forest Guard) Recruitment Examination	
Organization	WB Forest Department
Post	Bana Sahayak (Forest Guard)
Mode of Application	Offline / Online
Eligibility	8 th pass / MP pass, 18 – 40 years
Selection Process	Evaluation-cum-Interview & Personality Test
Official Website	http://westbengalforest.gov.in/

• After 12th Standard

❖ Higher Studies

Popular Courses After 12th Science

*BE/BTech – Computer Science, Civil, Mechanical, Electrical, Electronics & Telecommunications, Chemical, Aeronautical, Automobile, Robotics, Biotechnology
*Bachelor of Architecture (B.Arch)
*BSc (Science) – Physics, Chemistry, Mathematics, IT & Software
*BSc Science (Non-Math subjects) – Botany, Zoology, Physiology
*Bachelor in Computer Application - BCA (IT & Software)
*Bachelor of Pharmacy (B.Pharma)
*MBBS / BDS / BHMS / BUMS / BAMS
*Bachelor of Physiotherapy
*Bachelor of Occupational Therapy
*B.Sc. Nursing / General Nursing & Midwifery course / Radiography
*Bachelor in Ecology
*B.V.Sc. & A.H. / BVMS
*Bachelor in Biomedical Engineering
*Bachelor in Food & Agriculture Science
*Bachelor of Naturopathy & Yogic Science (BNYS)

Entrance Exams to pursue Science Courses after 12th

Stream Specific Entrance Exams	Top Exams
Engineering Entrance Exams	*JEE Main *JEE Advanced *Birla Institute of Technology & Science Admission Test (BITSAT) *Manipal Entrance Test (MET) *Vellore Institute of Technology Engineering Entrance Test (VITEEE) *The Consortium of Medical Engineering & Dental Colleges of Karnataka *NDA with Physics, Chemistry, Maths (PCM)
Medical Entrance Exams	*NEET UG *NEET PG *AIIMS MBBS *JIPMER MBBS Entrance Test
Science Entrance Exams	*National Entrance Screening Test (NEST) * Indian Institute of Technology (IIT)
Defence & Marine Entrance Exams	*NDA Examination *Indian Maritime University Common Entrance Test
Architecture	*National Aptitude Test in Architecture (NATA)
Mathematics	*Indian Statistical Institute Admission Test

Other Career Options After 12th Science

Artificial Intelligence & Machine Learning	Game Coder	Cognitive Neuroscience
Data Analytics	Physicist & Teaching	Sports Therapy
Big Data	Health Care Management	Optometry
Data Science	Health Tourism	Audiology
Ethical Hacking	Dietician	Clinical Research
Robotics	Biomedical Engineering	Forensic Science
Aerospace	Bioinformatics	Micro Biology
Cyber Security	Neuroinformatic	Social Forestry
Block Chain Engineer	Environmental Science & Sustainable Development	

❖ Courses after 12th Science (Maths)

1. Engineering Degree (B.E. or B.Tech.) courses

These academic programmes are 4 years long. The course content is technical in nature. The academic program consists of classroom lectures and practical sessions.

Here are some of the notable B.E. or B.Tech. programmes –

Mechanical Engineering	Civil Engineering	Chemical Engineering
Electrical Engineering	Electronics Engineering	EC Engineering
IT Engineering	Production Engineering	Aeronautical Engineering
Textile Engineering	Environmental Engineering	Naval Architecture
Mining Engineering	Petroleum Engineering	IC Engineering
Food Processing and Technology	Power Engineering	

2. Integrated Engineering programs

Integrated programs combine both Bachelor's as well as Master's Degree Engineering programmes. The course duration is 5 years.

Examples of Integrated Engineering programs are –

- B.E. + M.E. Mechanical Engineering
- B.Tech. + M.Tech. Electrical Engineering
- B.E. + MBA

3. Diploma in Engineering courses

Apart from Degree in Engineering, Physics Chemistry Maths (PCM) students also have access to Diploma in Engineering programs. Diploma courses are 3 years long.

Some of the notable Diploma programs are –

Mechanical Engineering	Civil Engineering	Chemical Engineering	Electrical Engineering
Electronics Engineering	EC Engineering	IT Engineering	Production Engineering
Aeronautical Engineering	Textile Engineering	Environmental Engineering	Naval Architecture
Mining Engineering & Power Engineering	Petroleum Engineering	IC Engineering	Food Processing and Technology

Note : After completing Diploma course, candidates may secure admission directly into the second year of B.E. or B.Tech. program. This scheme is known as lateral entry.

4. B.Arch.

Bachelor of Architecture is a very popular choice among PCM students. It is a 5 years long academic program. The academic programme consists of classroom lectures and practical sessions.

If you want to become an Architect, this course will be of help to you!

5. B.Des. courses

B.Des. stands for Bachelor of Design. PCM students have wide variety of B.Des. courses to choose from. If you are creative and want your career to involve creativity, this academic programme could be of help to you.

B.Des. programs are 4 years long. Some of the notable B.Des. courses are –

B.Des. Fashion Design	B.Des. Leather Design	B.Des. Apparel Design	B.Des. Textile Design
B.Des. Interior Design	B.Des. Product Design	B.Des. Accessory Design	

6. B.Pharm.

PCM students are also eligible to pursue Bachelor of Pharmacy course. Though it is generally considered to be a medical stream course, mathematics group students are also eligible to pursue it! The academic program is 4 years long. If you want to become a pharmacist, this professional course will be of help to you!

7. Graduation

Mathematics group students have access to numerous B.Sc. courses. These academic programs are 3 years long when it comes to duration.

Some of the notable B.Sc. programs are :

B.Sc. Physics	B.Sc. Mathematics	B.Sc. Chemistry	B.Sc. Geology
B.Sc. IT	B.Sc. Computer Science	B.Sc. Biotechnology	B.Sc. Agriculture
B.Sc. Nautical Science	B.Sc. Hotel Management	B.Sc. Electronics and Communication	

❖ Courses after 12th Science (Biology)

1. MBBS

It is probably the most popular medical course available in India. MBBS course is 5½ years long. The academic program is 4½ year long. At the end, there's a 1 year long internship program. MBBS is the minimum qualification required to practice as a Doctor in India.

2. BDS

BDS stands for Bachelor of Dental Surgery. To become a Dentist, one must complete this academic program. This course is 5 years long (including internship).

3. B.Sc. Nursing

This course will help you become a Registered Nurse (RN)! The course duration is 3-4 years. The academic program consists of classroom lectures and practical training.

4. B.Pharm (Bachelor of Pharmacy)

B.Pharm Degree will help you become a licensed chemist in India. The course duration is 4 years. The course primarily focuses on subjects like pharmacy, chemistry, biology and healthcare.

5. Pharm D

Pharm D and B.Pharm are two different courses. Pharm D course stands for Doctor of Pharmacy. It is more advanced than B.Pharm course. The course duration is 6 years.

6. BAMS

BAMS stands for Bachelor of Ayurvedic Medicine and Surgery. Unlike MBBS, this course focuses on concepts of Ayurveda and Ayurvedic medicine. After completing this course, one will earn the title of Doctor (Ayurveda). The course is 5½ years long.

7. BHMS

BHMS stands for Bachelor of Homeopathic Medicine and Surgery. This discipline aims at treating patients using homeopathic methods and medicine. After completing this course, one will earn the title of Doctor (Homeopathic). The course is 5½ years long.

8. BUMS

BUMS stands for Bachelor of Unani Medicine and Surgery. This discipline aims at treating patients using the Unani system of healing. The course is 5½ years long.

9. BPT (Physiotherapy)

BPT stands for Bachelor of Physiotherapy. This discipline uses massages, exercises and movement of muscles to treat patients who are have suffered injuries from accidents or are recovering from surgeries. The course is 4½ years long.

10. B.V.Sc. & A.H.

This course is popularly known as Bachelor of Veterinary Science and Animal Husbandry. This discipline focuses on the use of biology and technology to treat and prevent diseases occurring in animals. The course is 5 years long.

11. BOT (Bachelor of Occupational Therapy)

BOT course focuses on Occupational Therapy. This discipline is all about using exercises, training, aiding devices, environmental adaptation and equipment to treat patients suffering from physical, mental, emotional and neurological limitations. The course is 4½ years long.

12. BASLP (Bachelor of Audiology Speech Language Pathology)

This course focuses on subjects such as – audiology, hearing disorders, auditory systems and speech language therapy. The course is 5 years long (including the internship).

13. B.Sc. courses (Graduation)

There are many other relevant science courses available in India. Some of them are –

Subjects	Subjects
B.Sc. Biochemistry	B.Sc. Microbiology
B.Sc. Biology	B.Sc. Zoology
B.Sc. Physics	B.Sc. Forensic Science
B.Sc. Chemistry	B.Sc. Agriculture
B.Sc. Nursing	B.Sc. Pathology
B.Sc. Environmental Science	B.Sc. Speech Therapy
B.Sc. Biotechnology	B.F.Sc. (Fisheries Science)
B.Sc. Occupational Therapy	B.Sc. Horticulture
B.Sc. Physiotherapy	B.Sc. Genetics
B.Sc. Radiology	B.Sc. Health Science and Nutrition
B.Sc. Bioinformatics	B.Sc. Sports Science
B.Sc. Anthropology	B.Sc. Botany

Popular Courses After 12th Arts

BA in Humanities & Social Sciences	Bachelor of Fashion Designing
Bachelor in Arts (Fine/Visual/Performing)	Bachelor of Mass Media (BMM)
Bachelor in Animation / Design	Bachelor in Hospitality & Hotel Management (BHM)
Bachelor of Business Studies (BBS)	Bachelor in Animation
Bachelor of Business Administration (BBA)	Diploma in Education (DEd)
Bachelor of Management Science (BMS)	BCom in Accounting and Commerce
Bachelor in Event Management (BEM)	Bachelor of Law (LL.B)
Bachelor of Journalism & Mass Communication (BJMC)	BCA (IT and Software)

Other Career Options After 12th Arts

Linguistics	Photography / Wildlife Photography
Religious Studies	Teacher Teaching
Foreign Languages	Travel & Tourism
Interior Designing	Travel and Tourism
Theatre Studies / Film Making	Communication Design
Journalism	Sociology
Make Up & Beauty	Psychology
Mass Communication and Media & Advertising	Content Writer / Blogger / Creative Writing
Growth Hacker	Social Work
Textile Designing	Sculpture
Acting	Air Hostess
Artistic – Basic Jewellery Design	Retail & Fashion Merchandise
Culinary Arts	Liberal Arts
Sound design	Visual Merchandiser
App Design	Radio Jockey
Graphical Design	Disc Jockey

Entrance Exams to pursue Arts Courses after 12th Standard

Stream Specific Exams	Top Exams After Class 12th
Law entrance exams	CLAT, AILET, LSAT
Design entrance exams	NID Entrance Exam, NIFT Entrance Exam
Hospitality entrance exams	NCHMCT JEE
Mass Communication entrance exams	IIMC Entrance Exam, JMI Entrance Exam, XIC- OET
Humanities entrance exams	JNUJEE, DUET, PUBDET

Popular Courses After 12th Commerce

BCom (Hons)	BCA (IT and Software)
BCom (General)	Chartered Accountancy (CA)
B Com Accounting & Taxation	Company Secretary (CS)
B Com Banking & Insurance (BBI)	B.Stat
Bachelor of Economics (BE)	Bachelor of Journalism & Mass Communication (BJMC)
B Com in Financial Marketing (BFM)	Bachelor of Accounting & Finance (BAF)
Bachelor of Business Administration (BBA)	Bachelor in a Foreign Language
Bachelor of Management Studies (BMS)	BA, LLB

Other Career Options After 12th Commerce

Financial Analyst & Advisor	Tax Auditor and Consultant
Investment Banking Analyst	Government Jobs
Event Management	Banking Jobs
Human Resource Management	Cost And Management Accountant
Risk Management Analyst	Budget Analyst
Corporate Strategist	Wealth Management
Stock Broking	Private Equity & Venture Capital
Actuarial Science	Economist

Entrance Exams to pursue Commerce Courses after 12th

Top Exams	Conducting Body
CA Common Proficiency Test (CPT)	Institute of Chartered Accountants in India (ICAI)
Company Secretary Executive Entrance Exam (CSEET)	Institute of Company Secretaries in India (ICSI)
Symbiosis Entrance Test (SET)	Symbiosis University (SU)
Actuarial Common Entrance Test (ACET)	Institute of Actuaries of India (IAI)

❖ Diploma Courses After 12th Standard

Check out the Diploma Courses that you can pursue after 12th standard :

Name of the Course	Duration	About the Course	Job and Scope	Salary per month Rs.(approx)
Diploma in Writing and Journalism	1 Year	The course provides the comprehensive knowledge required to work in publishing houses, as content writers, etc. Candidates get acquainted with the basics of Journalism as well.	May media houses or publishing houses look for skilled writers. Other than that, one can also work as a freelance content writer and earn a handsome salary. Candidates can also do internships with news channels and learn more about the journalism industry.	8,000 - 40,000 (depends on the work/ skills/ employer)
Diploma in Digital Marketing	3 Months	The course teaches how to promote services or products with the help of digital technology, devices and platforms. It could involve SEO, Email Marketing, Content Marketing, Paid Search Advertising, etc.	With everything going digital and social media becoming one of the most prominent platforms to promote services and products, the demand for candidates skilled in digital marketing has increased exponentially.	8,000 and Above
Diploma in Banking and Finance	1 year	This course is designed to teach you different aspects of banking, global markets, and financial institutions. Foreign trade and exchange are also a part of the programme.	You can work in different organisations and departments like insurance companies, private bank servicing departments, commercial banks. However, job options are not very bright after a diploma. You can appear for bank entrance exams to get high-paying jobs.	5,000 to 12,000
Diploma in Financial Accounting	1 year	Business Law, Auditing, Accounting, Taxation and Management skills are some of the popular areas of study of this course.	Jobs after this course are mostly available in the account maintenance and finance department of different organisations. You will be required to maintain the record of cash flow statements, taxes, profits and loss statements.	4,000 to 10,000
Diploma in Advanced Accounting	4 years	This programme covers advanced concepts such as accounting operations, the merger of public holding companies, changing financial statements, foreign currency operations, lease contracts, etc.	The advantage of this programme is that you can pursue post-graduate programmes like PGDM, PGPM etc. to enhance your chances of getting good salary packages. Jobs are available with various organisations in the finance and accounting domain.	10,000 to 22,000
Diploma in Retail Management	1 year	This programme covers topics like merchandising, retail introduction, store design, sourcing, space management, etc.	You can get jobs as the cash counter executive at various stores, shopping marts, etc. After gaining experience, you can also get roles like a store manager.	4,000 to 12,000
Diploma in Business Management	1 year or 3 years (depending on the institute)	You will learn about the principles of business, management skills and financial management through this programme.	Management is a skill that is highly in demand. Diploma holders can also find reasonably good jobs in this field. However, the chances of getting a job are better after pursuing a post-graduate diploma in the same field.	8,000 to Rs. 15,000

Diploma in Computer Application	4 months to 1 year (depending on the type of programme)	This programme is designed to enhance your IT skills. You will learn to operate different software and application tools in this programme. It will enable you to work in different domains of IT and computer applications.	There are a lot of job opportunities for students who pursue this programme. Individuals who know how to work on Excel Sheets and Databases are required in various organisations. Highly skilled individuals can also get jobs in the application testing field	6,000 to 12,000
Diploma in Fashion Designing	1 year	This course is designed to give you an insight into the fashion industry, principles of designing, fabric selection topics, etc. in order to enable you to work in the fashion industry.	You can assist designers and experts working for different organisations and learn from their experience. The job opportunities in the initial years are not great. However, after 2 to 3 years of experience, you can also start creating your own designs.	6,000 to 10,000
Diploma in Elementary Education	2 years	This course will enhance your presentation skills that are necessary to become a teacher. The course covers teaching methodology and subject specialisations as well.	After completing this course you can apply for teaching posts at the pre-primary, primary as well as elementary school level. Teaching NGOs also hire diploma holders in this field.	6,000 to 15,000
Diploma in Industrial Safety	6 months to 1 year (varies from institute to institute)	The aim of the programme is to teach you different aspects of industrial safety including fire engineering, safety in construction sites, industrial hazards, occupational health and the environment.	Jobs after completing this course are available with consultancies working in the safety domain, NGOs working for the environmental safety and labour laws. The job requires you to design safety plans and regulations for employees.	5,000 to 12,000
Diploma in Physical Education	2 years	This course covers topics like the basics of physical education and the measurement of tracks and fields.	You can work as a sports or Physical Trainer at schools, fitness centres or sports clubs. You can also start your own fitness centres after completing this course.	5,000 to 12,000
Diploma in Hotel Management	1 year to 3 years (depending on the institute)	Through this course, you will learn the different aspects of hospitality, food management, front office handling, and the ways in which the hotel industry works.	There are a lot of hotels, restaurants, catering companies, ships and cruises that hire individuals with communication and hospitality skills. Chances of getting a good job are better after pursuing graduation in the same field.	4,000 to 10,000
Diploma in Yoga	1 year	You will learn the history of yoga, different yoga postures, practices, and therapies through this programme.	Jobs for such individuals are available at health centres. You can also start your own yoga centre and teach yoga postures and practices for students.	5,000 to 8,000 Experienced individuals can earn up to 30,000/- per month

One of the most important things to consider while pursuing a diploma is that you will not be eligible for government jobs as well as post-graduate degree courses solely on the basis of your diploma. You will have to complement your diploma with a graduation degree if you want to pursue a post-graduation degree or want to appear for government jobs. However, diploma courses are a good option if you want to start working early or want to start a business of your own.

❖ Entrance Examinations After 12th Standard

❖ Engineering

Joint Entrance Examination (JEE) Main

Purpose - For Admission in B. E./B. Tech., B. Arch., B. Planning

Eligibility - Class 12 pass (PCM)

Application mode - Online

Source : <https://wbjeeb.nic.in>

JEE Advanced

Purpose- Admission in UG programmes in IITs

Eligibility - Class 12 Pass (PCM)

Application mode - Online

Source : <http://jeeadv.iitd.ac.in/>

BITSAT

Purpose - Admission in Integrated First Degree programmes in BITS Pilani, Goa & Hyderabad campuses.

Eligibility - Class 12 pass (PCM)

Application mode - Online

Source : www.bitsadmission.com

National Level Engineering Entrance Exams:

Exam Name	Website URL
BITSAT	http://www.bitsadmission.com
COMED-K	https://www.comedk.org/
IPU-CET (B. Tech)	www.ipu.ac.in
Manipal (B. Tech)	https://manipal.edu/mu/academics.html
VITEEE	www.vit.ac.in
AMU (B. Tech)	http://www.amucontrollerexams.com/
NDA Entrance with PCM (MPC)	https://www.nda.nic.in/eligibility%20criteria.html
All India Engineering Entrance Exam with PCM (MPC)	http://www.jeemain.nic.in
State Level Engineering Entrance Exams	West Bengal - http://www.wbjeeb.in/

❖ Medical

National Eligibility Cum Entrance Test (NEET)

Purpose - Admission to MBBS / BDS

Eligibility - Class 12 (PCB)

Application mode - Online

Source : <https://www.nta.ac.in>

National Level Medical Entrance Exams:

Exam Name	Website URL
AIIMS	http://aiimsexams.org/
CMC-Vellore	http://admissions.cmcvellore.ac.in/
CMC-Ludhiana	http://cmcludhiana.in/
JIPMER	http://jipmer.edu.in/
Manipal	www.admissions.manipal.edu

❖ Entrance Tests for Marine, Navy, Defence Sectors

Indian Maritime University Common Entrance Test

Purpose - Admission in Diploma in Nautical Science (DNS) leading to BSc. (Nautical Science)

Eligibility - Class 12 (PCM)

Application mode - Online

Source : www.imu.edu.in

Indian Navy B.Tech Entry Scheme

Purpose - Admission in Indian Navy B.Tech course

Eligibility - Class 12 passed

Application mode - Online

Source : <https://www.joinindiannavy.gov.in/>

Indian Navy Sailors Recruitment

Purpose - Admission in 24 weeks Basic training at INS Chilka followed by Professional training

Eligibility - Class 12 (Maths and Physics/Chem./Bio/Computer Sc.)

Application mode - Online, By Post

Source : <https://www.joinindiannavy.gov.in>

Indian Army Technical Entry Scheme (TES)

Purpose - Technical Entry to Army

Eligibility - Class 12 PCM

Apply - Online

Source : www.joinindianarmy.nic.in/

National Defence Academy and Naval Academy Examination (I)

Purpose - Admission to Army and Air Force wings of NDA and 4 years B. Tech course for the Indian Naval Academy Course (INAC)

Eligibility - Class 12, 12+ Passed

Application mode - Online

Source : www.upsc.gov.in/

❖ Fashion & Design

National Institute of Fashion Technology (NIFT) Entrance Test

Purpose - For Admission in Design, Management and Technology for the international fashion business

Eligibility - Class 12, 12+, Graduate

Application mode - Online, By Post

Source : www.nift.ac.in

National Institute of Design Admissions

Purpose - Admission to 4 year GDPD & 2.5 Year PGDPD

Eligibility - Class 12, 12+, G

Application mode - By Post

Source : www.admissions.nid.edu/

All India Entrance Examination for Design (AIEED)

Purpose-Admission in 4 years UG level programmes in Design

Eligibility-Class 11, 12

Application mode - Online

Source:www.aieed.com

Other Design Schools & Exams:

Symbiosis Institute of Design	http://sid.edu.in/
Footwear Design and Development Institute	http://www.fddiindia.com/
National Institute of Design	http://www.nid.edu/
National Institute of Fashion Design	http://www.nift.ac.in/
National Aptitude Test in Architecture	www.nata.in
Centre for Environmental Planning and Technology (CEPT)	http://www.cept.ac.in/

❖ Humanity & Social Sciences

Banaras Hindu University

Purpose - Admission to Undergraduate courses

Eligibility - Class 12

Application mode - Online

Source : <http://bhonline.in/>

IIT Madras Humanities and Social Sciences Entrance Examination (HSEE)

Purpose - Admission in integrated Master of Arts (M.A.) programme

Eligibility - Class 12

Application mode - Online

Source : <http://hsee.iitm.ac.in/>

TISS Bachelors Admission Test (TISS-BAT)

Purpose - Admission in B.A. Social Sciences programme in any of three Campuses - Tuljapur, Guwahati and Hyderabad.

Eligibility - Class 12, 12+

Application mode - Online

Source : <http://tiss.edu/admissions>

❖ Language

The English and Foreign Languages University Hyderabad Entrance Test

Purpose - Admission for BA (Hons.) in English, Arabic, French, German, Russian and Spanish BCJ, B.Ed. (English)

Eligibility - Class 12, G, PG

Application mode - Online

Source : www.efluniversity.ac.in/

JNU Admission Entrance Exam

Purpose - Admission in of three-year B.A. (Hons.) programme in Foreign Languages

Eligibility - Class 12, G, PG

Application mode - Online, By Post

Source : www.jnu.ac.in/

❖ Agriculture & Hotel Management

Indian Council of Agricultural Research ICAR AIEEA-UG-PG

Purpose - Admission in Bachelor, Master Degree Program, SRF (PGS) to Pursuing Ph.D in Agriculture and Allied Sciences at Agricultural Universities

Eligibility - Class 12, UG, PG

Application mode - Online

Source : www.icar.org.in/

All India Hotel management Entrance Exam NCHMCT JEE

Purpose - Admission in B.Sc. Hospitality & Hotel Administration

Eligibility - Class 12

Application mode - Online

Source : <http://nchm.nic.in/>

❖ Law

Common Law Admission Test

Purpose - Admission in B.A. LL.B (Hons), B.Com. (Hons), BBA LL.B (Hons)

Eligibility - Class 12, 12+

Application mode - Online, By Post

Source : <http://clat.ac.in>

All India Law Entrance Test (AILET)

Purpose - Admission in B.A., LL.B. (Hons.), LL.M, PhD

Eligibility - Class 12, 12+, LLB, LL.M

Apply - Online, By Post

Source : www.nludelhi.ac.in/

❖ Pure Science

Kishore Vaigyanik Protsahan Yojana (KVPY)

Purpose - Fellowship and admission to IISc Bangalore in 4 year BS Degree

Eligibility - Class 11, 12, UG, PG

Application mode - Online, in Person, By Post

Source : <http://kvpv.iisc.ernet.in>

Indian Institutes of Science Education and Research

Purpose - Admissions to 5 year BS-MS Degree Programme

Eligibility - Class 12

Application mode - Online

Source : <https://www.iiseradmission.in>

National Entrance Screening Test (NEST)

Purpose - Admission in 5 year integrated M.Sc. programme in Biological, Chemical, Mathematical and Physical sciences in NISER or UM-DAE CBS

Eligibility - Class 12 (PCMB)

Application mode - Online, By Post

Source : www.nestexam.in

❖ Mathematics

Indian Statistical Institute Admission

Purpose - Admission in B Stat (Hons), B Math (Hons), M Stat, M Math, MS (QE), MS (LIS), M Tech (CS), M Tech (QROR) and Research Fellowships.

Eligibility - Class 12 (Maths, English)

Application mode - Online, By Post

Source : www.isical.ac.in/index.php

Admissions to Universities

BHU Undergraduate Entrance Test (BHU UET)

Purpose - Admission in UG programmes in BHU

Eligibility - Class 12, 12+

Application mode - Online, By Post

Source : www.bhu.ac.in/

❖ Other Entrance Tests and Exams

- ❖ Shipping Corporation of India Ltd., Trainee Navigation Officers CADETS (TNOG)
- ❖ UPSC, NDA/NA Examination
- ❖ Indira Gandhi Rashtriya Uran Akademi Commercial Pilots Licence (CPL) Course
- ❖ Central Leather Research Institute, Adyar, Chennai
 - Certificate Course in Footwear/Leather Goods/& Leather Garments
 - Certificate courses in Tanning, Wet-finishing, Finishing
 - Diploma Courses in Leather Goods/Leather Garments University of Delhi (Faculty of Technology), Combined Entrance Exam (CEE)
- ❖ Bachelor of Hospital Administration (BHA) 3 years after 12th from International Institute of Professional Studies, Devi Ahilya Vishwavidyalaya, Indore (M.P.)

❖ Central Government Competitive Examination After 12th Standard

Staff Selection Commission (SSC) Exams

SSC Exam after 12th : SSC CHSL

Staff Selection Commission (SSC) conducts an open competitive Combined Higher Secondary Level Examination (CHSL) for filling up the following posts in the various Ministries, Departments, and Offices of the Government of India :

- Lower Divisional Clerk (LDC) / Junior Secretariat Assistant (JSA)
- Postal Assistant (PA) / Sorting Assistant (SA)
- Data Entry Operator (DEO)
- Data Entry Operator Grade 'A' (DEO Grade A)

Eligibility :

Age limit : 18-27 years. But there is relaxation in age limits for the reserved category candidates.

Qualification : For the positions of LDC, JSA, PA, SA, and DEO, you need to have passed the 12th Class or equivalent Board Examination in any stream.

For the position of DEO A Grade, you need to have passed the 12th Class or equivalent Board Examination in Science stream with Mathematics as a subject.

How to apply :

Applications must be submitted through the online mode only at the official SSC website.

SSC CHSL is one of the most sought after Government exams after Class 12th as all the posts carry excellent pay scales and secure job offers for life. The SSC CHSL exam is also one of the most common SSC exams after 12th class that candidates from all over India take. So, if you want to secure your future with a good job, you can consider SSC CHSL as a great option.

SSC Exam after 12th : Stenographer Grade 'C' & 'D' Examination

Staff Selection Commission (SSC) conducts an open competitive Computer Based Examination for filling up the following posts in the various Ministries, Departments, and Offices of the Government of India:

- Stenographer Grade 'C'
- Stenographer Grade 'D'

Eligibility :

Age : Age limit 18-30 years for Stenographer Grade 'C'. And 18-27 years for Stenographer Grade 'D'. But there is relaxation in age limits for the reserved category candidates.

Qualification : You need to have passed the 12th Class or equivalent Board Examination in any stream.

How to apply :

SSC Stenographer Grade C & D Examination is a much-awaited Government job exam after 12th. There is regular recruitment in these posts. If you are not looking to take a higher studies course after 12th, you can take this exam into consideration.

SSC Exam after 12th : Examination for the Recruitment of Constables & Rifleman

Staff Selection Commission (SSC) conducts an open competitive Computer-based Examination for filling up the following posts:

- Constable (General Duty) in Border Security Force (BSF)
- Central Industrial Security Force (CISF)
- Central Reserve Police Force (CRPF)
- Indo Tibetan Border Police (ITBP)
- Sashastra Seema Bal (SSB)
- National Investigation Agency (NIA)
- Secretariat Security Force (SSF)
- Rifleman (General Duty) in Assam Rifles

If you qualify in the Computer-based Examination, then you will have to go through the Physical Efficiency Test (PET), Physical Standard Test (PST), and Medical Examination.

Eligibility :

Age : Age limit 18-23 years. But there is relaxation in age limits for the reserved category candidates.

Qualification : You need to have passed the 10th Class or equivalent Board Examination.

How to apply :

Applications must be submitted through the online mode only at the official SSC website.

These posts as Constable (General Duty) in the various cadres of the Central Armed Police Forces (CAPF) offer quite a large number of vacancies. So, if you are physically fit, this is a good option for you among the various government exams after the 12th.

SSC Exam after 12th : Multi-Tasking (Non-Technical) Staff Examination

Staff Selection Commission (SSC) conducts an open competitive examination for filling up the following post: Multi-Tasking Staff (a Central Government Group C service) in the various Ministries / Departments/offices of the Government of India.

Eligibility :

Age : Age limit 18-27 years. But there is relaxation in age limits for the reserved category candidates.

Qualification : You need to have passed the 10th Class or equivalent Board Examination.

How to apply :

Applications must be submitted through the online mode only at the official SSC website.

A large number of Multi-Tasking Staff are generally recruited quite regularly. So, this exam is very common among the various government exams after 12th which are taken by a very large number of candidates.

Railway Recruitment Board Examinations (RRB Examinations)

Railway Recruitment Board (RRB) conducts an open competitive Computer Based Test (CBT) for filling up the following post:

- Junior Clerk-cum-Typist
- Accounts Clerk-cum-Typist
- Junior Time Keeper
- Trains Clerk
- Commercial-cum-Ticket Clerk
- Junior Stenographer Hindi
- Junior Stenographer English

Eligibility :

Age limit varies from post to post. In general, if your age is between 18-31 years, you will find at least one opportunity. There is relaxation in age limits for the reserved category candidates.

For Junior Clerk-cum-Typist, Accounts Clerk-cum-Typist, Junior Time Keeper: 12th Board Examination passed in any stream with at least 50% marks. Typing skill in English / Hindi is required.

For Trains Clerk and Commercial-cum-Ticket Clerk: 12th Board Examination passed in any stream with at least 50% marks.

Junior Stenographer Hindi and Junior Stenographer English: 12th Board examination. Shorthand speed of 80 words per minute for a duration of 10 minutes with a transcription time of 50 minutes is essential.

How to apply :

Applications must be submitted through the online mode only at the official RRB website.

Various Railways and Metro Railways under the Ministry of Railways, Government of India regularly recruit for the above-mentioned positions for those who have passed the 12th Class Board Examination. In all these posts, vacancies are many. RRB examination is one of the best Government exams after 12th for getting a secure job with the India Railways.

National Defence Academy & Naval Academy Examination (NDA & NA Exam)

The NDA& NA Examination is conducted by the Union Public Service Commission (UPSC) for admission into the 3-year Military training program at the National Defence Academy Pune and at the Naval Academy, Ezhimala.

Eligibility :

Age Limit : 16.5 to 19.5 years

Qualification : For those opting for the Indian Army wing at NDA : 10+2 in any stream and with any subjects.

For those opting for the Indian Air Force and Indian Navy Wing at the NDA and for the Cadet Entry at Naval Academy : 10+2 in any Science stream with Physics and Mathematics.

How to apply :

Applications must be submitted through the online mode only at the official UPSC website.

If you qualify in the Written NDA & NA Examination, you are called for a Service Selection Board (SSB) Interview and thereafter a fitness test and medical examination.

Indian Army TES (Technical Entry Scheme) Written Examination

Indian Army conducts a written examination for 1-year Basic Military Training at Officers' Training Academy Gaya and thereafter a 4-year technical training at CME, Pune / MCTE, Mhow / MCEME, Secunderabad. After the 5-year training, you will be placed as a Lieutenant within the Indian Army.

Eligibility :

Age Limit : Age Limit: 16.5 to 19.5 years

Qualification : 10+2 with Physics, Chemistry, Mathematics, and with minimum 70% marks in aggregate.

How to apply :

Applications must be submitted through the online mode only at the Indian Army website.

For the aspirants who want to join the Indian Army, the TES written exam is one of the best ways. It is one of the best government job exams after the 12th. Moreover, you get to serve the nation.

Indian Army Soldier Entry Examination

For students who have passed class 12th Board Examination, the following positions are available :

- Soldier Clerks for all corps (units or divisions which specialize in one or more than one type of tasks)
- Soldier Store Keeper Technical for all corps
- Soldier Technical for Technical, Artillery, Army Air Defence, Aviation & Ammunition Examiner

Eligibility :

Age Limit : 17 ½ to 23 years

Qualification :

Clerks Soldier for all corps : 10+2 in any subjects with 60% marks in aggregate and minimum 50% marks in every subject.

Soldier Store Keeper Technical for all corps : 10+2 in any subjects + English and Mathematics OR Book Keeping OR Accounts and with 60% marks in aggregate and minimum 50% marks in each subject.

Soldier Technical for Technical, Artillery, Army Air Defence, Aviation & Ammunition Examiner : 10+2 in Physics, Chemistry, Mathematics and English and with 50% marks in aggregate and minimum 40% marks in each subject.

How to apply :

Applications must be submitted through the online mode only at the official Indian Army website.

Selection is made through a Written Examination, Physical Fitness Test, and Medical Examination. Army recruitment examinations are a few of the most coveted government exams after the 12th. Also, the jobs are exciting and full of adventures.

Indian Navy Sailor Entry Written Examination

The Indian Navy recruits candidates who have passed class 12th examination as a Sailor for different functions.

There are two schemes of recruitment for the class 12th pass candidates:

- Senior Secondary Recruit to be posted as a Seaman I after training
- Artificer Apprentice in different branches

Eligibility :

Age Limit : Age Limit: 17 to 20 years

Qualification :

For Senior Secondary Recruits : 10+2 with Mathematics & Physics and at least one of these subjects: Chemistry/Biology/Computer.

For Artificer Apprentice : 10+2 with Mathematics & Physics and at least one of these subjects: Chemistry/Biology/Computer with at least 60% marks in aggregate.

How to apply :

Applications must be submitted through the online mode only at the Indian Navy website.

For the aspirants who want to join the Indian Navy after 10+2, the Sailor/Artificer Apprentice entry scheme is one of the best ways. This exam is one of the best options for appearing for government exams after the 12th. Moreover, the jobs are high paying and offer adventurous roles. Also, you get to travel around the world.

Indian Coast Guard Entry Schemes after 12th

The Indian Coast Guard recruit candidates who have passed class 12th examination as a Sailor or Naviks.

There are two positions after 12th:

- Sailor or Navik (General Duty)
- Sailor or Navik (Domestic Branch)

Eligibility :

Age Limit : Age Limit: 18 to 22 years. Relaxation of 3-5 years for reserved category candidates.

Qualification :

Navik (General Duty) : 10+2 with Mathematics & Physics.

Navik (Domestic Branch) : A pass in Class 10th Board Examination.

How to apply :

Applications must be submitted through the online mode only at the Indian Coast Guard website.

Indian Coast Guard jobs are really exciting. Also, you get to enjoy the scenic view of the coasts very often. So, you can definitely consider these jobs after Class 12th.

Railway Recruitment Board Group D Recruitment Examinations

Railway Recruitment Board conducts written examinations for recruitment to various Group D jobs with various regional railways and metro railways. Also, these exams are easier compared to other in the list. There are various positions to offer such as:

- Group D Storekeeper
- Cabin Man
- Points Man
- Gang Man

Examination for Various Jobs at the Nuclear Fuel Complex of the Govt. of India

NFC conducts exams for filling up posts such as Stipendiary Trainees (Category-II) and Work Assistants/Hospital Work Assistants. To be eligible for the Stipendiary Trainees Category II, you must have passed the Class 12th Board Examination and obtained a trade certificate in a technical vocational trade such as Diesel Mechanic, Plumber, etc.

Air India Recruitment after Class 12th

Air India conducts a personal interview as well as a simulator proficiency assessment check for recruiting candidates for the post of Transition Commander and Commander. However, only those candidates who have completed class 12th with Physics and Mathematics can apply for these posts.

❖ State Government Competitive Examinations After 12th Standard

State Public Service Commission (PSC) Examination for Clerical Staff/Assistants

Every state in India has a Public Service Commission which recruits for the following jobs in various Ministries/ Departments/ Offices of the State:

- Lower Division Clerk or equivalent positions
- Lower Division Assistants or equivalent positions

Eligibility :

Age limit : 18-30 years. There is relaxation in age limits for the reserved category candidates. Some States allow the upper age limit to even 40 years.

Qualification : Other states ask for a pass in the Class 10th Board Examination or Secondary examination. Some states ask for a pass in the Class 12th Board Examination.

How to apply :

State Government jobs give very secure employment for a lifetime. As the competition in State level examinations is less than the India level examinations, for a lot of candidates State PSC Clerical recruitment examination is a very good choice. Undoubtedly it is one of the top choices for Government exams after Class 12th.

Constable Recruitment Examination (State Level)

This examination is conducted by various States for filling up the following posts:

- Male Constable
- Female Constable

Candidates who have completed class 10th or Class 12th or equivalent examination from a recognized Board or University are eligible to apply for the posts. Although recruitment to police forces is quite difficult, the written examination is a good option among the various government exams after 12th.

State Level Forest Security Guard Examination

State Level Forest Departments of many States conduct an examination for recruiting 12th pass candidates for the post of **Forest Guard**. Well, the selection process for this post also consists of the Physical Efficiency Test, Physical Standard Test, and Trade Test & Written Examination. So, physical fitness is very necessary for this job role.

Examination for Miscellaneous Services with State Governments

Various State Governments conduct exams for various posts such as Mechanics, Technicians, Drivers, Assistants, Telephone Operators and others for the candidates who have passed class 12th.

State Postal Circle Recruitment for Gramin Dak Sevaks

Various State Postal Circles under the Department of Post, Government of India recruit candidates who have passed Class 10th or Class 12th for the post of Gramin Dak Sevaks. The minimum eligibility is a pass in Class 10th Board Examination with passing marks in Mathematics and English. Also, your age must be within 18-40 years.

Banking Jobs after 12th : Business Correspondent Agents (BCA)

Business Correspondent Agents are recruited by various public sector banks for offering banking services in villages and remote areas where there are no bank branches or ATMs. Business Correspondent Agents represent banks and help bank customers carry out banking activities (such as cash deposits, cash withdrawals, loan applications, etc.) using mobile devices.

Insurance Sector Recruitment after Class 12th

Various Insurance companies such as UIIC / LIC / NACL / NIKL / Oriental Insurance Company, etc. conduct an exam for recruiting candidates for the posts of assistants or agents.

• After Graduation

❖ Best Short-Term Professional Courses after Graduation

Job-oriented **Short-term courses** are of great value for graduates and working professionals since these programmes help students delve deeper into different fields of interest and find suitable specialisation they want to build a career in. Here are the trending job-oriented short-term professional courses after Graduation:

Post Graduate Diploma in Management (PGDM)

PGDM is one of the most globally acclaimed short-term professional courses after graduation. Quite similar to **MBA**, this programme is offered in a wide range of specialisations to choose from. Moreover, the scope of this program is lucrative. From the field of Business, Administration, Finance, Banking to HR, you can explore multiple profiles with decent packages. It aims to impart students with the nuances of management and business industry along with the intricacies of the specific field one has opted for. Some of the key specializations offered for PGDM include :

- ✓ Operations Management
- ✓ International Business
- ✓ Business Analytics
- ✓ Finance
- ✓ eBusiness
- ✓ Business Entrepreneurship
- ✓ Biotechnology
- ✓ Retail Management

Duration : 1-2 years.

Basic Eligibility :

- Bachelor's degree in any discipline with minimum marks specified by the university
- **GMAT, CAT, MAT** or **XAT** scores
- **Additional requirements for PGDM abroad:**
 - Language Proficiency
 - Test scores like **IELTS** or **TOEFL**
 - Statement of Purpose (**SOP**) & Letter of Recommendation (**LOR**)

Business Accounting and Taxation (BAT)

Another popular professional programme to pursue after graduation, **BAT course** is an ideal option for those aspiring to pursue a career in Accounting and Taxation. It is generally offered as a 6-month course and trains students in handling business accounting and taxation-related operations. Amongst the prominent short-term professional courses after graduation, you will get to know about tax regulations in the business industry as well as tackling business accounts, tax liabilities, etc. From SAP to Quick books, Sahaj, you will be accustomed to these popular business intelligence tools. Completing this programme, you can explore diverse career prospects like Tax Policy Analyst, Internal Auditors, Financial Analyst, etc.

Duration : 6-months (might differ as per the prospective institution)

Basic Eligibility : Any undergraduate or graduate from any field of study can apply.

Certified Financial Planner (CFP)

Amongst the globally acclaimed and respected certifications in Finance, the **Certified Financial Planner (CFP)** is offered by FPSB India to graduates and working professionals in the business, finance and accounting industry. There are a total of 5 exams for 6 modules that you need to qualify for this certification. It is one of the choicest short-term professional courses after graduation and here are the major Indian and international academic institutions you can pursue this certification from:

Institutes Offering CFP in India	Institutes Offering CFP Abroad
*ISBM, Coimbatore *ISBM, Guwahati *ISBM, Patna *Indian School of Business *Management & Administration, Raipur *Sri Venkateshwara College, Delhi	*College for Financial Planning *Boston University *Kansas State University *University of California, Los Angeles *University of California, Irvine *DePaul University *California Lutheran University *University of Florida *University of Missouri *Rice University *Pennsylvania State University

Average Duration : Around 6 months (might vary as per candidate's choice for giving the CFP exams)

Eligibility : 10+2 from a recognized board is the minimum eligibility criteria while working professionals with at least 4 years of experience can enter the challenge pathway for the CFP course.

Data Visualization

Data Visualization is another important mention in our list of trending short-term professional courses after graduation. As the data and IT industry are booming with new technologies entering the business world, gaining a specialization can data visualization can surely assist you in advancing your career prospects. There are plentiful data visualization courses available online as well as full-time and part-time programmes across the globe that one can choose from. You will be taught about crucial data visualization tools and techniques along with software applications like Tableau, Microsoft and PowerBi, etc. The main purpose of data visualizers is to communicate accurate information with respect to market trends and scenario and utilising for business decisions. Talking about its scope, you can expect promising job opportunities in the fields of business analytics, data mapping, advanced mapping etc.

Duration : Varies from 3-6 months to one year.

Eligibility : A bachelor's degree in any discipline and for studying a short-term programme in Data Visualization abroad, you will be required to submit language proficiency scores like IELTS, TOEFL as well as an SOP and LORs.

Diploma in Digital Marketing

As one of the trending careers in the digital era, this specialization of Marketing is filled with incredible job opportunities across different sectors. Diploma in Digital Marketing is also one of the frequently-opted short-term professional courses after graduation. The duration of this diploma can vary from 6-months to a year and any graduate or undergraduate can opt for this program. It aims to provide students with the knowledge of online marketing, SEO techniques and tools, social media marketing, website analytics & Google analytics, digital marketing budgeting, amongst others. Completing a diploma in Digital Marketing, you can choose from varied job opportunities like SEO specialist, Digital Marketing Manager, Content Writer, Social Media Manager, amongst others.

Certificate Programme in Data Science

Data Science is one of the most popular short-term professional courses to pursue after graduation. According to the statistics released by IBM, the field of data science is likely to see a tremendous expansion with 364,000 to 2,720,000 jobs. A certificate programme in Data Science will expose candidates to different courses like Data Analysis with excel, python, types of data analytics, data modelling and data clustering. Some of the most popular institutions like IIM Kozhikode, IBM, IIT Madras, University of Texas, Harvard University and Johns Hopkins University.

Duration: 3 months to 2 years (depending upon the institute).

Eligibility: A Bachelor degree in a relevant field or working professionally in the same field.

❖ Other Short-Term Professional Courses after Graduation

Apart from the aforementioned programmes, here are some other short-term professional courses after graduation:

Courses	Courses	Courses	Courses
Java Course	Business Analytics	Financial Risk Manager (FRM)	Tally Course
Big Data & Hadoop	Short-Term Professional Courses After Graduation in Arts	Foreign Language Courses	Animation
Digital Marketing	Graphic Designing	Creative Writing	Content Writing
Web Designing	Interior Designing courses	Photography	Event Management
Marketing Analytics	Law	PGDM	PGDEMA
Hotel Management	Travel and Tourism	Mass Communication	Short-Term Professional Courses after Graduation in Commerce
PGPM	PGDM in Hotel Management	PGDM in Financial Management	PGDM in Digital Marketing
PGDM in Hospitality Management	PGDM in Business Analytics	Data Science	Certification in Finance and Accounts
Foreign Language Courses	Business Accounting and Taxation	Tally	Game Design
PGDM in Finance	Certified Public Accountant or CPA	PGDM in Banking and Financial Management	PGDM in Marketing Management
Company Secretary	Certified Management Accountant	Short-Term Professional Courses After Graduation in Science	Diploma in Data Science
Diploma in Machine Learning	Diploma in Artificial Intelligence	Blockchain Certification Course	Full-Stack Development Course
PGDEMA	Business Accounting and Taxation	PG Diploma in Instructional Design	Diploma in Education Technology
Digital Marketing Certification Course	PGDM or M.Sc. in Business Analytics.	Chartered Financial Analyst	Paramedical courses
Diploma/Certificate in Digital Marketing	Diploma in Medical Lab Technology	Diploma in Physiotherapy	Diploma in Radiological Technology
Diploma in Engineering	Diploma in Nutrition and Dietetics	Diploma in Nursing	Diploma in food technology

❖ Online Short-Term Professional Courses

Here is a list of online short-term professional courses to pursue after graduation. Students who are looking to upgrade their skills and employability options can easily enrol in these courses from the comfort of their homes. Online short-term courses are available on popular sites like Udemy, Coursera, and LinkedIn which graduates can use for their benefits. Many popular universities in India and abroad offer short-term courses in the distance mode for students to explore and gain experience. Check out the list of courses:

Courses	Courses	Courses
• Machine Learning	• Data Science	• Java
• Multimedia, 3D Animation & Visual Effects	• Web Designing	• Mobile App Development
• Ethical Hacking	• SEO	• Law
• Graphic Designing	• Film Making	• Photography
• Hotel Management	• Foreign Language	• Supply and Logistics

❖ List of Central Government Examinations After Graduation

- ✓ *Civil Services Examination*
- ✓ *Indian Forest Service Examination*
- ✓ *Indian Engineering Service*
- ✓ *Combined Defence Services Examination*
- ✓ *Combined Medical Services Examination*
- ✓ *Combined Geo-Scientist Examination*
- ✓ *National Defence Academy and Naval Academy Examination*
- ✓ *Central Armed Police Forces (ACs) Examination*
- ✓ *Indian Economic Service - Indian Statistical Service Examination*

❖ Civil Services Examinations

❖ IAS & IPS Exam

The IAS exam (officially known as the Civil Services Examination) is conducted by the Union Public Service Commission (UPSC) annually. Those who clear all the three stages of the IAS exam enter into the prestigious civil services of the country, and become officers in the Indian Administrative Service (IAS), Indian Police Service (IPS), Indian Foreign Service (IFS) and a host of other services.

IAS Exam Conducting Body	UPSC
Mode of IAS exam	Offline
Number of times conducted	Once every year
Prescribed age limit	21 – 32 years (upper age relaxation for reserved candidates)
IAS Exam Pattern	Prelims (MCQs), Mains (Descriptive papers), Interview/Personality Test

Stage I : IAS Exam – UPSC Prelims

Sl. No	Name of the Paper	Nature of the Paper	Duration of the Exam	Questions	Marks
1	IAS Exam Paper – I: General Studies	Merit Ranking Nature	2 Hours	100	200 Marks
2	IAS Exam Paper – II: General Studies (CSAT)	Qualifying Nature	2 Hours	80	200 Marks

- The questions in the IAS Exam (Prelims) are of the objective type or Multiple-Choice Questions (MCQs)
- There is 'Negative Marking' in the IAS Exam for each incorrect answer but only in the Prelims stage. The negative marking for incorrect answers will be 1/3rd (0.66) of the allotted marks of that question.
- The GS Paper II (CSAT) in IAS exam is of qualifying nature and candidates should score a minimum of 33 per cent in this paper to qualify to the next stage of the IAS exam i.e. the Mains.
- Blind candidates are given an extra time of 20 minutes for each paper in the IAS Exam (Prelims).
- It is mandatory for the candidates to appear in both the papers of civil services prelims exam for the evaluation.
- The marks scored by the candidates in the preliminary examination are not counted for the final score. It is only a screening test where candidates not securing the cut-off marks are eliminated.

Stage II : IAS Exam – UPSC Mains

The second stage of the IAS Exam is called the Mains Exam, which is a written descriptive examination and comprises 9 papers. The 9 papers in IAS Exam (Mains) are as follows: Paper-A (Compulsory Indian Language); Paper –B (English) which are qualifying in nature, while the other papers like Essay, General Studies Papers I, II, III, and IV, and Optional Papers I and II are considered for the final ranking.

Sl. No.	IAS Exam Paper	Name of the Paper	Nature of the Paper	Duration of the Exam	Marks
1	Paper – A	Compulsory Indian Language	QUALIFYING NATURE	3 Hours	300 Marks
2	Paper – B	English		3 Hours	300 Marks
3	Paper – I	ESSAY	MERIT RANKING NATURE	3 Hours	250 Marks
4	Paper – II	General Studies I		3 Hours	250 Marks
5	Paper – III	General Studies II		3 Hours	250 Marks
6	Paper – IV	General Studies III		3 Hours	250 Marks
7	Paper – V	General Studies IV		3 Hours	250 Marks
8	Paper – VI	Optional Paper I		3 Hours	250 Marks
9	Paper – VII	Optional Paper II		3 Hours	250 Marks
TOTAL					1750 Marks
Interview or Personality Test					275 Marks
GRAND TOTAL					2025 Marks

NOTE:

- The candidates can select their medium of writing the UPSC Civil Services IAS Mains Exam as Hindi or English or any other language listed in the 8th Schedule of the Indian Constitution.
- The Indian Languages included in the IAS exam are as per languages listed in the 8th Schedule of the Indian Constitution.
- The candidates who score above the prescribed cut-off marks in the IAS exam (Mains) will get the summons for the Personality Test (last stage of the IAS exam).
- The final ranking of the candidates is on the basis of the marks obtained by them in the Main Examination and Personality Test/Interview Round of the IAS exam.

Stage III : IAS Exam – UPSC Interview/Personality Test

Candidates who clear the Mains stage of the IAS exam with the required cut-off marks qualify for the final stage of the IAS exam i.e., the Personality Test or Interview round with the UPSC Board Members. The candidates who qualify to the final stage will be sent an e-summon by the Commission for a face-to-face discussion round with the board members. In this round, the board assesses the personality traits of the candidates and questions will be asked on their hobbies, current affairs, general knowledge, situation questions, etc. to evaluate if they are fit for a career in the civil services or not. The UPSC personality test will be held only in the UPSC Bhavan in New Delhi.

❖ Indian Forest Service Exam

- Candidates applying for Indian Forest Service Examination should note that they are required to appear in the Civil Services (Preliminary) Examination and qualify the same for going to the second stage of Indian Forest Service (Main) Examination (written and interview).
- Candidates desirous of applying for Indian Forest Service Examination as well as for Civil Services Examination can apply through a common online application form subject to meeting the requisite eligibility criteria by them.
- Before getting into the details of UPSC IFS Syllabus 2020-21, let us have an overview of UPSC IFS Exam mentioned below:

Name of the Exam	Indian Forest Service Examination
Conducting Body	Union Public Service Examination
Stages of Examination	Prelims Mains Interview
Medium of Exam	English and Hindi
Mode of Exam	Offline

UPSC IFS Syllabus : Selection Process

The UPSC IFS exam is classified into three stages namely; Preliminary, Mains and Interview:

Stage 1 – Prelims Exam	The IFS prelims exam is the same as the UPSC IAS Prelims exam. There are two papers viz., Paper 1- GS, Paper 2 –CSAT
Stage 2 – Mains Exam	The IFS Mains exam has 6 papers and they are General English, General Knowledge and Other 4 Optional Papers
Stage 3 – Interview	The total marks for the interview will be of 300. candidates will be evaluated whether they are fit to carry out the duties specified by the officials.

UPSC IFS Prelims Syllabus

The UPSC IFS Preliminary Exam is for screening purposes only with a minimum of 33% to be secured to appear for the Mains examination and will not be counted for determining a candidate's final order of merit.

Paper	Subjects	Maximum Marks	Time Duration
Paper 1	General Studies	200	2 hours
Paper 2	Civil Services Aptitude Test	200	2 hours

UPSC IFS General Studies Syllabus

1. Current Event of National and International importance
2. History of India and Indian National Movement
3. Indian and World Geography
4. Indian polity and Governance
5. Economic and Social Development- Sustainable development, Poverty, Inclusion
6. General Science
7. General Issues on Environmental Ecology, Bio-diversity and Climate Change

UPSC IFS CSAT Syllabus

1. Comprehension
2. Interpersonal skills including communication skills
3. Logical reasoning and analytical ability
4. Decision-making and problem solving
5. General mental ability
6. Basic numeracy (numbers and their relations, orders of magnitude, etc.) (Class X level), Data interpretation (charts, graphs, tables, data sufficiency etc. – Class X level)
7. English Language Comprehension skills (Class X level).

The questions in both Paper 1 (General Studies) and Paper 2 (Civil Services Aptitude Test) will be of objective type. It is mandatory for the candidate to appear in both the papers of the preliminary examination for the purpose of evaluation failing which will result in disqualification.

UPSC IFS Mains Syllabus

The UPSC IFS Syllabus for Main exam comprises of following subjects as mentioned below:

Paper	Subject	Total Marks
Paper I	General English	300
Paper I	General Knowledge	300
Paper III	Optional I	200
Paper IV	Optional I	200
Paper V	Optional II	200
Paper VI	Optional II	200

UPSC IFS General English Syllabus

Candidates will be required to write an essay in English. Other questions will be designed to test their understanding of English and use of words. Passages will usually be set for summary or precis.

UPSC IFS General Knowledge Syllabus

General Knowledge including knowledge of current events and of such matters of every day observation and experience in their scientific aspects as may be expected of an educated person who has not made a special study of any scientific subject. The paper will also include questions on Indian Polity including the political system and the Constitution of India, History of India and Geography of a nature which the candidate should be able to answer without special study.

UPSC IFS Optional Syllabus

The UPSC Indian Forest Service Mains exam syllabus consists of 6 papers. Paper 1 & Paper 2 are common for all candidates. The other 4 papers are optional. The list of optional subjects (two to be chosen) available for the IFS main exam are as follows:

The total number of questions in the question papers of optional subjects will be eight. All questions will carry equal marks. Each paper will be divided into two parts, viz. Part A and Part B, each part containing four questions. Out of eight questions, five questions are to be attempted. One question in each part will be compulsory.

Candidates will be required to answer three more questions out of the remaining six questions, taking at least one question from each Part. In this way, at least two questions will be attempted from each Part i.e. one compulsory question plus one more.

Optional Subjects	Optional Subjects
Agriculture	Forestry
Agricultural Engineering	Geology
Animal Husbandry & Veterinary Science	Mathematics
Botany	Mechanical Engineering
Chemistry	Physics
Chemical Engineering	Statistics
Civil Engineering	Zoology

UPSC IFS Personality Test & Interview

1. The candidates interviewed by a board of competent and unbiased observers. The record of the candidate's career will be present before the interviewers.
2. The object of the interview is to assess the suitability of the candidate for the service. The candidate is expected to have an all-around personality.
3. Candidates should have an intelligent interest not only in his academics but also should be aware of his cultural, political and social surroundings.
4. Candidates should be aware of current affairs, modern current of thoughts and new discoveries happening around him both within and outside his own State or country.
5. The technique of the interview will not be a strict cross-examination like a question-and-answer session.
6. It would be more like a natural, though directed and purposive conversation, intended to reveal the personal qualities of the candidate.
7. The board will pay special attention to assessing the intellectual curiosity, critical powers of observation and assimilation, the balance of judgment and alertness of mind, initiative, tact, capacity for leadership; the ability for social cohesion, mental and physical energy and powers of practical application; integrity of character; and other qualities such as topographical sense, love for out-door life and the desire to explore unknown and out of way places.

Indian Engineering Services (IES) or Engineering Services Examination (ESE)

Indian Engineering Services (IES) or Engineering Services Examination (ESE) comprise of engineers who work under the Government of India and designated as Class – 1 officer. They administer to a large segment of the public sector economy, which constitutes of Indian Railways, Power, Telecommunications, Central Water engineering, Defence Service of Engineers, Central Engineering Service etc :

IES Exam Details

Exam	Engineering Services Examination (ESE)
Conducted by	Union Public Service Commission (UPSC)
Exam level	National Frequency Once in a year
Educational qualifications	Engineering
Age limit	21-30 years
Selection process	Preliminary, Main Exam & Interview Preliminary exam Objective-type Main exam Conventional
Admit card availability	3 weeks before the exam
Withdrawal of application	Yes
Application fee	Rs 200
Official website	www.upsc.gov.in

IES Exam Group-A Services/Posts

A combined competitive examination is conducted by the UPSC for recruitment to the Indian Engineering Services. The recruitment of qualified candidates is made under the following categories:

- Electrical Engineering
- Mechanical Engineering
- Civil Engineering
- Electronics & Telecommunication Engineering

IES Exam Pattern

Aspirants should ensure that they fulfil the eligibility criteria and admission at all the stages of the examination. Candidates are advised to check the complete details about IES Exam Pattern before kick-starting the application form and preparation. The examination shall be conducted according to the following plan :

- Stage-I: Engineering Services (Preliminary/Stage-I) Examination (Objective Type Papers) for the selection of candidates for the Main Exam
- Stage-II: Engineering Services (Main/Stage-II) Examination (Conventional Type Papers)
- Stage-III: Personality Test.

IES Prelims Exam Pattern

Paper	Subject	Question Type	Marks	Duration
I	General Studies and Engineering Aptitude	Objective	200	2 hrs
II	Civil, Mechanical, Electrical, Electronics & Telecommunications	do	300	3hrs

IES Mains Exam Pattern

Paper	Subject	Question Type	Marks	Duration
I	Engineering (Civil/Mechanical/Electrical/Electronics and Telecommunication)	Descriptive	300	3 hrs
II	Engineering (Civil/Mechanical/Electrical/Electronics and Telecommunication)	Descriptive	300	3hrs

❖ Combined Defence Services Examination

The **Combined Defence Services Examination** (abbreviated as **CDS Exam**) is conducted by the Union Public Service Commission for recruitment of Commissioned Officers in the Indian Military Academy, Officers Training Academy, Indian Naval Academy and Indian Air Force Academy. The Notification for the examination is usually released in the months of October and June, and the examinations are conducted in February and November respectively. Only unmarried graduates are eligible to sit for the exam. Examination is conducted twice a year. Successful candidates are admitted into the respective Academies after an interview conducted by the Services Selection Board (SSB).

Age Limit

Indian Military Academy	19–24 years
Air Force Academy	19–24 years
Naval Academy	19–24 years
Officers Training Academy	19–25 years

Educational Qualifications

CDS Exam Educational Qualifications is given below:

For I.M.A. and Officers' Training Academy	Degree from a recognized University or equivalent
For Indian Naval Academy	Degree in Engineering from a recognized University or equivalent
For Air Force Academy	Degree of a recognized University (with Physics and Mathematics at 10+2 level) or Bachelor of Engineering

Candidates must be physically fit according to physical standards criteria given in the official advertisement by the UPSC.

Common Defence Service Exam Pattern

Stages of exam	Written exam and SSB Interview
Mode of exam	Offline / Pen and paper based
Subjects	1- English 120 questions 2- General Knowledge 120 questions 3- Elementary Mathematics 100 questions
Exam duration	2 hours for each paper
Number of questions	340 MCQs for – IMA, INA and AFA 240 MCQs for – OTA
Language of paper	English & Hindi

Indian Military Academy / Air Force Academy / Naval Academy

All the papers are of objective type.

Subject	Marks
English	100
General Knowledge	100
Elementary maths	100
Total	300

Officers' Training Academy

Each paper contains objective type questions.

Subject	Marks
English	100
General Knowledge	100
Total	200

Intelligence and Personality Test

The SSB interview process consists of a two-stage Selection process – stage I and stage II. Only those candidates who successfully clear the stage I SSB interview are permitted to appear for stage II.

(a) Stage I comprises Officer Intelligence Rating (OIR) tests are Picture Perception* Description Test (PP&DT). The candidates will be shortlisted based on the combination of performance in the OIR Test and PP&DT.

(b) Stage II Comprises Interview, Group Testing Officer Tasks, Psychology Tests, and the Conference. These tests are conducted over 4 days. The details of these tests are given on the Indian Army career portal.

The personality of a candidate is assessed by three different assessors viz. The Interviewing Officer (IO), Group Testing Officer (GTO), and the Psychologist. There is no separate weightage for each test. The marks are allotted by assessors only after taking into consideration the performance of the candidate holistically in all the tests.

Test/ Interview by Air Force Selection Board

All candidates who apply for the Air Force through more than one source will be tested/interviewed at the Air Force Selection Boards only once for Air Force. Common candidates who fail in Computer Pilot Selection System (CPSS) and/ or Pilot Aptitude Battery tests as an NCC or Airmen candidate will be called again for OLQ testing for Army/Navy/OTA only if it is found that they have applied through CDS Exam.

❖ Combined Medical Services Examination

The **Combined Medical Services Examination** or the **CMS Examination** is conducted by the Union Public Service Commission for recruitment as Medical Officer in various organisations such as the Indian Ordnance Factories, Indian Railways, Municipal Corporation of Delhi, New Delhi Municipal Council functioning under the Government of India. The Notification for the examination is usually released in the month of April and examination is conducted in July. Successful candidates are admitted after an interview conducted by the UPSC for those having qualified the written examination.

The All India Services Act, 1951, provides for creation of five All India Services, namely, the Indian Engineering Service, Indian Medical Service, Indian Forest Service, Indian Administrative Service and the Indian Police Service.

Eligibility Criteria

Nationality:- Citizen of India, Subject of Nepal or Bhutan and some Tibetan refugees, a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka or East African Countries of Kenya, Uganda, the United Republic of Tanzania, Zambia, Malawi, Zaire and Ethiopia or from Vietnam with the intention of permanently settling in India.

Age : Must not have attained the age of 32 years with relaxations for various categories like SC, ST&OBC.

Educational Qualifications : Passed the written and practical parts of the final MBBS Examination.

Scheme of Examination

There is an objective-type written examination with two papers of two hours duration, each carrying a maximum of 250 marks. This is followed by a Personality Test carrying 100 marks of candidates who qualify on the results of the written examination.

Paper I

Subject	Questions	Maximum Marks
General Medicine including Cardiology, Neurology, Dermatology and Psychiatry	96	250
Paediatrics	24	

Paper II

Subject	Questions	Maximum Marks
Surgery including ENT, Ophthalmology, Traumatology and Orthopaedics	40	250
Gynaecology & Obstetrics	40	
Preventive & Social Medicine	40	

Candidates who qualify in the written examination are called for an Interview/Personality Test to be conducted by the Union Public Service Commission which carries 100 marks.

❖ UPSC Geologist & Geo-Scientist Exam

Eligibility :

Union Public Service Commission (UPSC) Combined Geologist & Geo-Scientist Examination eligibility details are given below:

Age:

- For Geologist and Geophysicist and Chemist (Group 'A') in the Geological Survey of India, an attached office of Ministry of Mines, Government of India: A candidate must have attained the age of 21 years and must not have attained the age of 32 years on the first day of the month of January of the year in which the Examination is to be held.
- For Jr. Hydrogeologist (Scientist B) (Group A) in Central Ground water Board, Ministry of Water Resources : Must have attained the age of 21 years and must not have attained at the age of 35 years.

Educational Qualification:

- **For Geologists Gr 'A' in Geological Survey of India :** Masters Degree in Geological Science or Geology or Geo-Exploration or Mineral Exploration or Engineering Geology or Marine Geology or Earth Science and Resource management or Oceanography and Coastal Areas Studies or Petroleum Geosciences or Petroleum Exploration or Geochemistry or Geological Technology from a university incorporated by an Act of the central or State Legislature in India or an Educational Institution established by an Act of Parliament or declared to be deemed university under section 3 of the University Grants Commission Act, 1956 (3 of 1956).
- **For Geophysicists Gr 'A' in Geological Survey of India :** M.Sc. in Physics or Applied Physics or M.Sc. (Geophysics) or Integrated M.Sc. (Exploration Geophysics) or M.Sc (Applied Geophysics) or M.Sc. (Marine Geophysics) Or M.Sc. (Tech.) (Applied Geophysics) from a University incorporated by an Act of Parliament or State Legislature in India or other educational institutes established by an Act of the Parliament or declared to be deemed universities under the University Grants Commission Act, 1956.
- **For Chemists Gr 'A' in Geological Survey of India :** M. Sc. in Chemistry or Applied Chemistry or Analytical Chemistry from a University incorporated by an Act of Parliament or State Legislature or other educational Institutes established by an Act of the Parliament or declared to be deemed Universities under section 3 of the University Grants Commission Act, 1956 i.e. recognized University.
- **For Junior Hydrogeologists (Scientist-B) Group 'A' in Central Ground Water Board :** Masters Degree in Geology or Applied Geology or Marine Geology from a from a university incorporated by an Act of the central or State Legislature in India or other Educational Institutes established by an Act of Parliament or declared to be deemed university under section 3 of the University Grants Commission Act, 1956 or Masters Degree in Hydrogeology from a recognised university.
- **Physical standards :** Candidates must be physically fit according to physical standards for admission to Combined Geo-Scientist & Geologist Examination as per the regulations specified in the examination notification.

Combined Geo-Scientist Examination will be conducted in three stages as follows:

1. Stage I: **Preliminary Examination**
2. Stage II: **Main Examination**
3. Stage III: **Personality Test**

Exam name	Combined Geo-Scientist and Geologist Exam
Conducted by	Union Public Service Commission (UPSC)
Frequency	Once a year
Application mode	Online
Exam Mode	Offline Preliminary Objective-type Main exam Descriptive-type
Duration of the examination	3 days
Official website	www.upsc.gov.in

Stage I : Preliminary Examination

Papers	Subjects	Duration
Paper-1	General Studies (Common for all)	2 hours
Paper2	Stream specific subject paper Subject : 1. Chemistry 2. Hydrogeology 3. Chemical 4. Geophysics	2 hours

Stage II : Mains Examination

Papers	Subjects	Duration
Paper-1	Geology Paper-I & II Geophysics Paper-I & II Chemistry/ Chemical Paper-I & II	2 hours
Paper2	Geophysics Paper-III Chemistry/ Chemical Paper-III Hydrogeology	2 Hours

❖ National Defence Academy and Naval Academy Examination

- All questions in this exam will be multiple-choice questions.
- The exam will be given in both the languages i.e. Hindi and English.
- The written examination will be of a total of 900 marks and the interview will also be of a total of 900 marks.
- Your result will be released on the basis of marks of both interview and written test.
- There will be a total of 300 marks for Mathematics in the exam and 600 marks for General Ability Test.
- A total of 2 hours 30 minutes will be given for all the subjects.

Subject	Marks
Mathematics	300
General Ability	600
Total marks	900
Interview	900

Organization name	Union Public Service Commission [UPSC]
Exam name	National Defence Academy [NDA]
Syllabus mode	Online
Website	www.upsc.gov.in

Syllabus

Subject	Syllabus
Mathematics	Matrics and Determinants Analytical Geometry of Two and Three Dimension Integral Calculus and differential equations Statistics and Probability Vector algebra Differential calculus Trigonometry Algebra
General Ability	Section 1. English Section 2. GK [General Knowledge] General Science History Freedom movement Geography Chemistry Physics Current Events
Interview	Personality and Intelligent test

❖ Central Armed Police Forces (Assistant Commandants) Exam

The Central Armed Police Forces (CAPF) refers to the uniform nomenclature of seven security forces in India under the authority of the Ministry of Home Affairs. They are the Assam Rifles (AR), Central Reserve Police Force (CRPF), Border Security Force (BSF), Central Industrial Security Force (CISF), National Security Guard (NSG), Indo-Tibetan Border Police (ITBP), and Sashastra Seema Bal (SSB).

Recruitment is conducted mainly in three modes :

Officers in CAPFs are recruited through the Central Armed Police Forces (Assistant Commandants) Examination conducted by UPSC.

Gazetted Officers : Officers in CAPFs are recruited through the Central Armed Police Forces (Assistant Commandants) Examination conducted by UPSC

Subordinate Officers : Sub Inspectors are recruited through competitive examination conducted by the Staff Selection Commission and they are referred as DASOs (Directly Appointed Subordinate Officers).

Constables : Constables are recruited through competitive examination conducted by the Staff Selection Commission.

CAPF Assistant Commandants :

1. Border Security Force (BSF)
2. Central Reserve Police Force (CRPF)
3. Central Industrial Security Force(CISF)
4. Indo-Tibetan Border Police (ITBP) Sashastra Seema Bal (SSB)

CAPF Exam Highlights

Examination	Central Armed Police Forces Examination
Conducted By	Union Public Service Commission
Name of the Post	Assistant Commandant
Frequency	Once a year
Age Limit	20-25 years
Educational Qualification	Graduation
Application mode	Online
Gender	Male and female are eligible
Selection Procedure	Written, physical test and interview
Website	www.upsc.gov.in

❖ Indian Economic Service and Indian Statistical Service Exam (IES/ISS Exam)

The Indian Economic Service along with Indian Statistical Service is the administrative inter-ministerial civil service under Group A of the Central Civil Services of the executive branch of the Government of India.

The Indian Economic Service was introduced for formulating and implementing economic policies and programmes in India. With the initiation of large-scale economic reforms in 1991 and the proliferation of the regulatory role of the government, such analysis and advice within the domain of the service have increased manifold. For Indian Statistical Service, all statistical posts of different ministries and departments were pooled together in the initial constitution of service.

A combined competitive examination for recruitment to Junior Time Scale of the Services will be held by the Union Public Service Commission in accordance with the rules published by the Ministry of Statistics & Programme Implementation in the Gazette of India.

Examination	Indian Economic Service (IES)/ Indian Statistical Service (ISS)
Conducted by	Union Public Service Commission (UPSC)
Frequency	Once a year
Exam mode	Pen and paper-based (Offline)
Number of attempts	6
Duration of the examination	3 days
Vacancies (approximately)	IES – 32 & ISS – 33
Official Website	www.upsc.gov.in

Educational Qualification:

- 1. For Indian Economic Service (IES) :** The candidates must have obtained a Post Graduate Degree in Economics/Applied Economics/Business Economics/Econometrics from a recognized university or a foreign university approved by the Central Government of India from time to time.
- 2. For Indian Statistical Service (ISS) :** The candidates must have obtained a Bachelor's Degree with Statistics/Mathematical Statistics/Applied Statistics as one of the subject or else the candidates should hold a Master's degree in Statistics/Mathematical Statistics/Applied Statistics from a recognized university or a foreign university approved by the Central Government of India from time to time.
- 3. Age Limit :** The candidates must have attained the age of 21 years and must not have attained the age of 30 years as on date.

❖ State Government Examinations After Graduation

❖ West Bengal Civil Services

West Bengal Civil Service (Executive) popularly known as W.B.C.S.(Exe.), also known as West Bengal Administrative Service, conducted by WBPSC every year in three phases every year. These phases are **Preliminary, Mains and Personality Test.**

Eligibility Criteria:

Educational Qualification : 1. Graduation from a recognised University.
2. Able to read, write & speak in Bengali (Not required for those whose mother tongue is Nepali).

Age : Minimum 21 years and Maximum 36 years (for Group A & C) with relaxation for reserved candidates.
Minimum 20 years and Maximum 36 years (for Group B - WBPS) with relaxation for reserved candidates.
Minimum 21 years and Maximum 39 years (for Group D) with relaxation for reserved candidates.

Selection Process :

Candidates would be selected based on their performance in Preliminary Examination (Objective Type), Main Examination (Both Objective and Conventional Type) and Personality Test.

WBCS Exams Details :

Exam Phase	Paper	Time	Subject	Question Type	Total Marks
Preliminary Exams	1 paper (qualifying)	2½ hrs.	General Studies (8 topics including Reasoning, English language, History, Geography, Current Affairs, General Knowledge, General Science and Indian Polity and Economy)	MCQ	200
Main Exams	Paper I	3 hrs.	Bengali / Hindi / Urdu / Nepali/Santali	Descriptive	200
	Paper II		English		200
	Paper III		General Studies-I : History & Geography	MCQ	200
	Paper IV		General Studies-II : Science & Technology, Environment, G.K and Current Affairs		200
	Paper V		The Constitution of India & Indian Economy		200
	Paper VI		Arithmetic and Test of Reasoning		200
	Paper VII		Optional Subject Paper I	Descriptive	200
	Paper VIII		Optional Subject Paper II		200
Total Marks					1600
<ul style="list-style-type: none">• Only one optional subject is to be taken from the prescribed list.• Optional paper is only for those candidates who opted for Group A&B• Total marks are 1200 in case of Group C and D candidates					

Personality Tests			
Group A	Group B	Group C	Group D
200 Marks		150 Marks	100 Marks

Services

Services are allotted in four groups, which are as follows:

Group A	Group B	Group C	Group D
1. West Bengal Civil Service (Executive) (WBCS)	1. West Bengal Police Service (WBPS)	1. West Bengal Correctional Home Services	1. Inspector of Co-operative Societies (ICoS)
2. West Bengal Revenue Service (WBR)		2. Joint Block Development Officer (Jt. BDO)	2. Panchayat Development Officer (PDO)
3. West Bengal Co-operative Service (WBCoS)		3. Deputy Assistant Director of Consumers and Fair Business Practices	3. Rehabilitation Officer (RO)
4. West Bengal Labour Service (WBL)		4. West Bengal Junior Social Welfare Service (WBSWS)	
5. West Bengal Food and Supplies Service (WBF&SS)		5. Assistant Canal Revenue Officer (Irrigation) (ACRO-Irrigation)	
6. West Bengal Employment Service (Non-Technical) (WBES)		6. West Bengal Subordinate Land Revenue Services, Grade-I (SLRO)	
		7. Assistant Commercial Tax Officer (ACTO)	
		8. Chief Controller of Correctional Service (CCCS)	

How to Apply:

- The candidates need to enrol on the WBCS online portal before applying for the WBCS.
- The candidates need to provide an active mobile number, valid email id fathers name and mother's name.
- After registration, an OTP will be sent to the candidate's mobile number.
- Using this OTP, the candidates can enrol on the online portal.
- After it, the enrolment number and password will appear on the screen.
- This enrolment number will be used in WBCS application process.

Website : <https://wbpsc.gov.in>

❖ West Bengal Audit & Accounts Services

The West Bengal Audit and Accounts Service Recruitment Examination is held in two successive stages, viz., (i) Preliminary Examination (Objective Multiple-Choice Question) and (ii) Main Examination (Conventional Type) followed by Personality Test.

Eligibility Criteria :

Educational Qualification :

- The candidate must have a Bachelor's Degree in Commerce from a recognized university or
- The candidate must be a Member of the Institute of Chartered Accountants of India or
- The candidate must be a Member of the Institute of Cost Accountants of India or
- The candidate must hold MBA/PGDM(FINANCE) or it's equivalent post-graduation degree in Finance under 2 years full-time regular course approved by All India Council for Technical Education.

Age : Candidates who are applying for the WBPS recruitment must not be more than 36 years with relaxation as per rules for reserved candidates.

Selection Criteria:

The West Bengal Audit and Accounts Service Recruitment Examination will be held in two successive stages, viz., (i) Preliminary Examination (Objective Multiple Choice Question) and (ii) Main Examination (Conventional Type) followed by Personality Test. Candidates selected on the results of the Preliminary Examination will be allowed admission to the Main Examination and those selected on the basis of results of the Main Examination will be called to appear at the Personality Test.

How to apply:

Interested candidates can apply online at www.wbpsc.gov.in or www.pscwbonline.gov.in . After submitting the online application, the candidates will have to take a printout of the application for future reference.

❖ WBPSC Miscellaneous Services

The organization conducts **prelims exam (200 marks)/ mains exam (450 marks)/ personality test (100 marks)** for selecting capable and deserving aspirants against WBPSC Miscellaneous Services Recruitment.

Eligibility Criteria:

Educational Qualification : A degree from a recognized University or its equivalent.

Age : Not below 20 years but not more than 39 years with relaxation as per rules for reserved candidates.

WBPSC Miscellaneous Syllabus :

<u>General Studies</u>	<u>Arithmetic</u>	<u>English</u>	<u>Bengali/ Hindi/ Urdu/ Nepali/ Santhali:</u>
1. States & Capitals 2. Famous Personalities 3. Scientific Research 4. Culture 5. National & International affairs 6. Daily News 7. General Polity including Indian Constitution 8. Countries and Capitals 9. Art & Culture 10. Economic Scene 11. Geography, etc	1. Average 2. Ratio and Proportion 3. Data Interpretation 4. Discounts. 5. Time and Work 6. Mixture and Allegation 7. Time and Distance 8. Boats and Streams 9. Problems on Ages 10. Profit and Loss 11. Percentages 11. Number Systems 12. H.C.F. and L.C.M 13. Pipes and Cisterns 14. Simple & Compound Interest, etc	1. Drafting of a report from points or materials supplied 2. Translation from Bengali/ Hindi/ Urdu/ Nepali/ Santhali, as the case may be, to English 3. Condensing of a prose passage (Summary/ Precis) 4. Correct use of words and correction of sentences 5. Use of common phrases 6. Synonyms 7. Antonyms etc	1. Drafting of a report from points or materials supplied 2. Translation from English to Bengali/ Hindi/ Urdu/ Nepali/Santhali 3. Condensing of a prose passage 4. Grammar

WBPSC Miscellaneous Exam Pattern :

Preliminary Exam

Subject	No.of Question	Marks	Duration
General Knowledge	75	150	90 minutes
Arithmetics	25	50	
Total	100	200	

Main Exam

S.No.	Subject	No.of Question	Marks	Duration
Paper 1	English	75	150	90 Minutes
Paper 2	Bengali/Hindi/Urdu/Nepali/Santali	75	150	90 Minutes
Paper 3A	General Studies	100	150	150 Minutes
Paper 3B	Arithmetic	50		
	Total	300	450	

❖ Banking Sectors

❖ IBPS Clerk Exam

The IBPS Clerk exam is conducted on two levels- the preliminary exam and the main exam to select clerks for nationalized banks. Successful candidates are chosen from those who qualify for both these exams.

Authority	Institute of Banking Personnel Selection
Recruitment	Clerk
Portal	ibps.in
Registration	IBPS Clerk Registration online

Educational Qualification:

A candidate must possess the minimum qualification of **Graduation in any discipline** from a recognized University or any equivalent qualification recognized as such by the Central Government. The candidate should possess a certificate as proof of passing the qualifying examination. The candidate must possess a valid Mark-sheet / Degree Certificate that he/ she is a graduate on the day he/she registers and indicate the percentage of marks obtained in Graduation while registering online.

Computer Literacy: Operating and working knowledge in computer systems is mandatory i.e. candidates should have a Certificate/Diploma/Degree in computer operations/Language/ should have studied Computer / Information Technology as one of the subjects in the High School/College/Institute.

Proficiency in the Official Language of the State/UT (candidates should know how to read/ write and speak the Official Language of the State/UT) for which vacancies a candidate wishes to apply is preferable.

IBPS Clerk Exam Pattern :

Phase-1 : IBPS Clerk Preliminary Examination

The preliminary exam of IBPS Clerk CRP XI is an online exam testing a candidate on the basis of their aptitude, intellect and English. There are three sections in total and the candidate must clear the cut-off of each section to proceed to the mains exam round. Candidates are required to solve the question paper in the **time frame of 20 minutes for each section**. The composite mark of the paper is 100 and the passing marks is decided by IBPS that is likely to change every year depending on the level of difficulty of the exam.

Sl.No.	Name of Tests	No. of Questions	Maximum Marks	Duration
1	English Language	30	30	20 minutes
2	Numerical Ability	35	35	20 minutes
3	Reasoning Ability	35	35	20 minutes
Total		100	100	1 Hour

Candidates have to qualify in each of the three tests by securing minimum cut-off marks to be decided by IBPS. An adequate number of candidates in each category as decided by IBPS depending upon requirements will be shortlisted for Online Main Examination.

Phase-2 : IBPS Clerk Mains Examination

No changes have been observed in the Exam Pattern of IBPS Clerk 2021 Exam. **IBPS Clerk Mains Exam will now constitute of 190 questions** that need to be completed in a time frame of **160 minutes**. Previously, **Computer Aptitude and Reasoning Ability** Section used to be conducted separately. But, in the recent update by IBPS, both these sections are amalgamated together and will constitute **50 questions** that need to be solved in a time duration of **45 minutes**. Both Preliminary Exam and Mains Exam will be conducted in 13 regional languages along with English and in Hindi. Let's have a look at the Exam Pattern for IBPS Clerk CRP-X.

S.No.	Name of Tests	No. of Questions	Maximum Marks	Duration
1	Reasoning Ability & Computer Aptitude	50	60	45 minutes
2	English Language	40	40	35 minutes
3	Quantitative Aptitude	50	50	45 minutes
4	General/ Financial Awareness	50	50	35 minutes
Total		190	200	160 minutes

Penalty for Wrong Answers: There is a penalty for wrong answers marked in both preliminary examination as well as mains examination. A wrong answer to an objective question will lead to a penalty of one-fourth of the total mark assigned to that question. There will be no penalty for the question left blank or unanswered.

❖ IBPS PO

(Institute of Banking Personnel Selection Probationary Officers Exam)

IBPS PO exam is conducted by the Institute of Banking Personnel Selection (IBPS) to select eligible candidates for the post of Probationary Officers in different public sector banks in India. IBPS PO exam is conducted every year since 2011.

Exam Details :

Organisation	Institute of Banking Personnel Selection (IBPS)
Post Name	Probationary Officer
Participating Banks	11
Application Mode	Online
Exam Mode	Online
Recruitment Process	Prelims- Mains- Interview
Education Qualification	Graduate
Age Limit	20 years to 30 years (As on 01/10/2021)
Salary	Rs. 52,000 to 55,000
Official website	www.ibps.in

Exam Pattern :

IBPS introduced separate sectional timing for each section in the preliminary exam. The IBPS PO exam (CRP XI) for hiring candidates will be based on an online written exam in two parts: Tier 1 or IBPS Preliminary Exam and Tier 2 or IBPS Mains Exam. This examination is followed by a face-to-face interview process.

IBPS PO Prelims Exam Pattern :

The IBPS PO preliminary examination has a total duration of 1 hour and 20 minutes for each section, which will be conducted in online mode. It consists of 3 sections with a total of 100 questions and a maximum score of 100 marks. There is a negative marking in the IBPS PO pre-exam and 0.25 marks are deducted for each wrong answer. Candidates must clear the cut-off in all 3 sections to qualify for the IBPS PO Main exam. The section-wise details are given below:

Name of Tests (Objective)	No. of Questions	Maximum Marks	Duration
English Language	30	30	20 minutes
Numerical Ability	35	35	20 minutes
Reasoning Ability	35	35	20 minutes
TOTAL	100	100	60 minutes

Candidates have to qualify in each of the three tests by securing minimum cut-off marks to be decided by IBPS. Adequate number of candidates in each category as decided by IBPS depending upon requirements will be shortlisted for Online Main Examination.

IBPS PO Mains Exam Pattern :

The IBPS PO Main exam is also conducted online, it has 5(4+1) sections with a total score of 200+25 marks and total duration of 180+30 minutes. IBPS will be conducting a descriptive paper in its mains exam for selection of candidates to the post of Probationary Officer. The sections must be attempted in the same order and the allotted time as mandated at the time of the exam. A candidate has to clear both preliminary and mains examinations to be eligible for the interview process.

Sl.No.	Name of Tests(Objective)	No. of Questions	Maximum Marks	Duration
1	Reasoning & Computer Aptitude	45	60	60 minutes
2	English Language	35	40	40 minutes
3	Data Analysis & Interpretation	35	60	45 minutes
4	General Economy & Banking Awareness	40	40	35 minutes
Total		155	200	3 Hours
5	English Language (Letter Writing & Essay)	2	25	30 minutes

Penalty for Wrong Answers : There is a penalty for wrong answers marked in the Objective Tests of both Preliminary and Mains exams. A wrong answer to an objective question by the candidate will lead to a penalty of one-fourth of the marks assigned to that question. For example, 0.25 marks will be deducted as a penalty for a wrong answer to a question that carries 1 mark. There will be no penalty for leaving a question blank, i.e. if no answer is marked by the candidate.

IBPS PO Interview :

The candidates who have qualified for the mains exam are called for a face to face interview which carries a maximum of 100 marks. The minimum qualifying mark in the interview is 40% (35% for SC/ST/OBC/PWD candidates). The final merit list is prepared on the basis of marks obtained in the mains examination and interview. The final score is calculated by IBPS with weightage of marks given to the main examination and interview in the ratio of 80:20 respectively.

Final Score Calculation for IBPS PO Exam:

The final score for the IBPS PO exam is calculated keeping the following points in mind:

- Marks obtained in the Preliminary Exam (Tier-1) will not be considered in the final score and are only for qualifying to Mains Exam (Tier-2).
- Candidates must qualify for Phase-2 and Interview separately to be eligible for final merit.
- The weightage (ratio) of IBPS PO Main exam and interview for the final merit list will be 80:20 respectively.
- The aggregate score out of 100 is used for the final merit list for each category. Candidates with top merit rank in each category are finally selected.

IBPS PO Eligibility Criteria

Educational Qualification:

- **Graduation Degree** : The eligibility criteria for the IBPS CRP exam is as basic as a graduation degree (BA, BCom, BSc, B.Tech or as such) in any discipline from a University recognized by the Government of India. Any such candidate who has received equivalent qualification which is recognized by the Central Government is also eligible to apply for this exam. The candidates must be in possession of a valid Mark-sheet / Degree Certificate that certifies that they are a graduate on the day they register for this exam, and must indicate the percentage of marks obtained in Graduation while registering for the IBPS Bank-PO examination.
- **Computer Literacy** : Working knowledge of computer systems is necessary for the job as well as to give the IBPS PO exam which is conducted in online mode.
- **Language Proficiency** : Verbal and written proficiency in the official language of the State/UT is desirable. The candidate must be able to read, write and speak the language.

❖ IBPS RRB 2021 Exam

IBPS RRB Exam : IBPS RRB Exam is conducted every year by IBPS for selection to the post of both IBPS RRB Assistant and IBPS RRB Officer Cadre in Regional Rural Banks spread across the country. For selection to the post of both Assistant and Officer Cadre in Regional Rural Banks (RRBs) spread across the country, IBPS organises IBPS RRB Exam every year. The selection is made to the post of:

Office Assistant	Marketing Manager	Treasury Manager	Officer (Grade III)
Officer Scale – I	Banking Officer Scale - II	Agriculture Officer (Grade – II)	
Law Officer (Grade – II)	IT Officer (Grade II)	Chartered Accountant (Grade II)	

IBPS RRB is a national-level banking exam conducted every year by the Institute of Banking Personnel Selection (IBPS) for candidates who aspire to join the Regional Rural Bank.

IBPS RRB 2021 Exam Pattern :

The exam pattern for the selection to the post of Office Assistant is quite different to that of the exam pattern for the selection to the post of Officer Grade. For IBPS RRB Assistant 2021, the Exam will be conducted in two phases :

- Preliminary Exam
- Mains Exam

No interview process will be conducted for selecting candidates for the post of Office Assistant. Selection will be made purely on the marks obtained by the candidate in his/her Mains Examination.

IBPS Assistant Preliminary Exam Pattern :

S. No.	Section	Question	Marks	Duration
1.	Reasoning	40	40	A cumulative time of 45 mins
2.	Numerical Ability	40	40	
	Total	80	80	

IBPS Assistant Mains Exam Exam Pattern :

S. No.	Section	Question	Marks	Duration
1	Reasoning Paper	40	50	A cumulative time of 2 hours is provided
2	General Awareness Paper	40	40	
3	Numerical Ability Paper	40	50	
4	English/Hindi Language Paper	40	40	
5	Computer Knowledge	40	20	
	Total	200	200	

No interview is required after the Mains Exam to get selected for the post of Office Assistant.

IBPS RRB Officer Exam Pattern

For **IBPS RRB Officer**, exam will be conducted in three phases:

- Preliminary Exam
- Mains Exam
- Interview Process

The final selection will be made on the cumulative score obtained by a candidate in **both Mains Exam and Interview Process**.

IBPS RRB 2021 Officer Grade Preliminary Examination

Section	Question	Marks	Duration
Reasoning	40	40	A cumulative time of 45 minutes
Numerical Ability	40	40	
Total	80	80	

IBPS RRB Mains Exam (Officer Scale-I)

Section	Question	Marks	Duration
Reasoning	40	50	A cumulative time of 2 hours is provided
General Awareness	40	40	
Numerical Ability	40	50	
English/Hindi Language	40	40	
Computer Knowledge	40	20	
Total	200	200	

Eligibility Criteria :

Eligibility Criteria	Requirement
Nationality / Citizenship	a Citizen of India or a subject of Nepal or a subject of Bhutan or a Tibetan Refugee who came over to India before 1st January 1962 with the intention of permanently settling in India or a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka, East African countries of Kenya, Uganda, the United Republic of Tanzania (formerly Tanganyika and Zanzibar), Zambia, Malawi, Zaire, Ethiopia and Vietnam with the intention of permanently settling in India, provided that a candidate belonging to categories (ii), (iii), (iv) & (v) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.
Age Limit (As on 01.06.2021)	For Office Assistant (Multipurpose) - Between 18 years and 28 years For Officer Scale- I (Assistant Manager) - Above 18 years - Below 30 years For Officer Scale- II (Manager) - Above 21 years - Below 32 years For Officer Scale- III (Senior Manager) - Above 21 years - Below 40 years
Language Proficiency	Candidates applying for the posts of Office Assistant in any particular RRB are required to possess proficiency in the local language of the State/ UT in which the RRB is situated to be eligible for interview.

Educational Qualification :

Post	Educational Qualification	Experience
Office Assistant (Multipurpose)	Bachelor's degree in any discipline from a recognized University or its equivalent (a) Proficiency in local language as prescribed by the participating RRB/s (b) Desirable: Working knowledge of Computer.	----
Officer Scale-I (Assistant Manager)	i. Bachelor's degree in any discipline from a recognized University or its equivalent Preference will be given to the candidates having degree in Agriculture, Horticulture, Forestry, Animal Husbandry, Veterinary Science, Agricultural Engineering, Pisciculture, Agricultural Marketing and Cooperation, Information Technology, Management, Law, Economics or Accountancy ii. Proficiency in local language as prescribed by the participating RRB/s iii. Desirable: working knowledge of Computer.	----
Officer Scale-II General Banking Officer (Manager)	Bachelor's degree in any discipline from a recognized University or its equivalent with a minimum of 50% marks in aggregate. Preference will be given to the candidates having degree in Banking, Finance, Marketing, Agriculture, Horticulture, Forestry, Animal Husbandry, Veterinary Science, Agricultural Engineering, Pisciculture, Agricultural Marketing and Cooperation, Information Technology, Management, Law, Economics and Accountancy.	Two years as an officer in a Bank or Financial Institution.
Officer Scale-II Specialist Officers (Manager)	Information Technology Officer Bachelor's degree from a recognised University in Electronics / Communication / Computer Science / Information Technology or its equivalent with a minimum of 50% marks in aggregate. Desirable: Certificate in ASP, PHP, C++, Java, VB, VC, OCP etc.	One year (in the relevant field).
	Chartered Accountant Certified Associate (CA) from Institute of Chartered Accountants of India.	One Year as a Chartered Accountant.
	Law Officer Degree from a recognised University in Law or its equivalent with a minimum of 50% marks in aggregate.	Two years as an advocate or should have worked as Law Officer in Banks or Financial Institutions for a period of not less than two years.
	Treasury Manager Chartered Accountant or MBA in Finance from a recognized university/ institution	One Year (in the relevant field)
	Marketing Officer MBA in Marketing from a recognized university	One Year (in the relevant field)
	Agricultural Officer Bachelor's degree in Agriculture/ Horticulture/ Dairy/ Animal Husbandry/ Forestry/ Veterinary Science/ Agricultural Engineering/ Pisciculture from a recognized university or its equivalent with a minimum of 50% marks in aggregate	Two Years (in the relevant field)
Officer Scale-III (Senior Manager)	Bachelor's degree in any discipline from a recognized University or its equivalent with a minimum of 50% marks in aggregate. Preference will be given to the candidates having Degree/ Diploma in Banking, Finance, Marketing, Agriculture, Horticulture, Forestry, Animal Husbandry, Veterinary Science, Agricultural Engineering, Pisciculture, Agricultural Marketing and Co-operation, Information Technology, Management, Law, Economics and Accountancy.	Minimum 5 years experience as an Officer in a Bank or Financial Institution.

Note:

- All the educational qualifications mentioned should be from a University/ Institution/ Board recognised by Govt. Of India/ approved by Govt. Regulatory Bodies.
- Proper document from Board / University for having declared the result has to be submitted at the time of interview for the posts of Officers (Scale I, II and III) and at the time of joining for the post of Office Assistant (Multipurpose).

❖ SBI Clerk Exam

- SBI Clerk Exam is conducted by State Bank of India to recruit candidates for the post of Junior Associates (Customer Support and Sales) in its different branches across the country. SBI Clerk is one of the most sought-after bank exams today and a huge number of candidates appear for the same every year.
- A SBI Clerk (Junior Associate)** is responsible for all the client interactions and related operations. Candidates who are recruited as SBI clerks are designated as cashiers, depositors and other posts that form the face of a particular SBI Bank branch.

SBI Clerk (Junior Associates) Eligibility Criteria :

Educational Qualification : He/she must hold a valid degree in any discipline from a recognized university.

Age Limit : Not below 20 years and not above 28 years as on date.

Exam Pattern :

State Bank of India (SBI) conducts objective type exams every year for the recruitment of clerical cadre.

SBI Clerk Exam Analysis: English Language

Topic	No. of Questions	Level
Reading Comprehension	08	Moderate
Sentence Rearrangement	05	Easy
Spelling Error	05	Easy
Error Detection	07	Easy
Single Fillers (word)	05	Easy-Moderate
Total	30	Easy

SBI Clerk Exam Analysis: Reasoning Ability

Topics	No. of Questions	Level
Puzzles and Seating Arrangement	19	Easy-Moderate
Alpha-numeric-symbol Series	05	Easy-Moderate
Direction Sense	03	Easy-Moderate
Syllogism	04	Easy
Inequality	03	Easy
Alphabet Based	01	Easy
Total	35	Easy

SBI Clerk Exam Analysis: Numerical Ability

Topics	No. of Questions	Level
Number Series (Missing)	05	Easy
Data Interpretation	05	Moderate
Quadratic Equations	05	Easy-Moderate
Simplification	10	Easy
Arithmetic Word Problem	10	Easy-Moderate
Total	35	Easy-Moderate

SBI PO

SBI PO exam will be conducted by the State Bank of India (SBI) to select eligible candidates for the post of Probationary Officers (PO) in different branches of the State Bank of India. SBI PO is one of the most coveted jobs in the Banking industry and a dream job for millions of aspirants across India.

SBI PO Eligibility Criteria :

Age Limit : The candidate must be 21 Years to 30 Years as on date.

Educational Qualification : The candidate must be a graduate in any discipline from a recognized University or any equivalent qualification recognized as such by the Central Government. Those who are in the Final year/Semester of their Graduation may also apply provisionally subject to the condition that, if called for interview, they must produce proof of having passed the graduation examination.

SBI PO Selection Procedure : Important Points

- **Biometric Verification:** To ensure an error-free and secure selection procedure for SBI PO, the bank may digitally capture the thumb impression of the candidate. This is done to verify the genuineness of the candidates. Any inconsistency in the biometric verification will lead to rejection of the candidature and punitive legal actions. Candidates are thus advised not to apply any kind of external matter like ink, mehandi, chemical etc. on their hands.
- **Number of Attempts:** The maximum number of chances are fixed for each category. Candidates who have used up all the chances are not eligible to apply. Appearing in Preliminary Exam is not counted as an attempt but appearing in Mains Exam is counted.

Category	Number of Chances
General/ EWS	4
General/ EWS (PWD)	7
OBC/ OBC(PWD)	7
SC/SC(PWD)/ST/ST(PWD)	No restriction

SBI PO Exam Pattern:

The SBI PO selection process consists of 3 stages. The written examinations are conducted online, followed by an interview round. The structure of exams is as follows :

Exam name	SBI PO
Conducted by	State Bank of India (SBI)
Post	Junior Management Grade Scale-I
Exam level	National
Exam category	Graduation
Frequency of exam	Once a year
Exam stages	Phase I: Preliminary exam Phase II: Mains exam Phase III: Interview (Or Interview & Group Exercises)
Exam mode	Online
Exam duration	Preliminary exam: One hour (20 minutes for each section) Mains : Three hours (Objective test) Thirty minutes (Descriptive test)
Exam syllabus	Preliminary : English Language, Quantitative Aptitude, Reasoning Ability Mains : Objective test: Reasoning & Computer Aptitude, Data Analysis & Interpretation, General/ Economy/ Banking Awareness, English Language Descriptive test: English Language (Letter Writing & Essay)
Exam pattern	Prelims : 100 questions Mains : Objective test : 155 questions Descriptive test : 2 questions
Language	English and Hindi
Official website	sbi.co.in/careers

----- *THE END* -----