

Course  
&  
Test Series



CBSE



ICSE



NTSE



Banking &  
Insurance



Central Govt.  
Service



State Govt.  
Services



LAW  
Entrance



MBA  
Entrance



Railways & Metro  
Services

...many more

abhyasonline.in

Instant Messaging

Module 1 - Instant Messaging

Instant Messaging

Instant Messaging is a type of online communication that allows people to send and receive messages in real time over the internet or a private network. It's faster than email and usually involves short, quick text exchanges between two or more users.

Key features in instant messaging

1. **Real-Time Communication:** Messages are sent and received almost instantly, allowing for quick conversations.
2. **One-on-One & Group Chats:** You can chat privately or create group conversations with multiple participants.
3. **Presence Awareness:** Shows user status like online, offline, busy, or away, so you know when someone is available.
4. **Typing Indicators:** Let's you see when the other person is typing a response.
5. **Message Read Receipts:** Notifies you when your message has been delivered and read (e.g., "seen" check marks).
6. **File and Media Sharing:** Allows sharing of images, documents, videos, audio, and links directly in the chat.
7. **End-to-End Encryption:** Many IM apps offer encryption to keep conversations private and secure (e.g., Signal, WhatsApp).
8. **Cross-Platform Access:** Available on mobile devices, desktops, tablets, and via web browsers.
9. **Message Syncing:** Conversations are synced across all your devices, so you can continue chats from anywhere.

Types of Instant Messaging

WhatsApp is one of the most widely used instant messaging (IM) platforms in the world. It allows users to send messages and media instantly over the internet.

WhatsApp as an Instant Messaging Platform

1. **Real-Time Communication**

- Messages are delivered instantly when both users are online.
- You can see when the other person is typing or has read your message (blue ticks).



**Course & Test Series**

 **CBSE**

 **ICSE**

 **NTSE**

 **Banking & Insurance**

 **Central Govt. Service**

 **State Govt. Services**

 **LAW Entrance**

 **MBA Entrance**

 **Railways & Metro Services**

**...many more**

**abhyasonline.in**

**Instant Messaging**

**2. Text Messaging**

- Core feature: send and receive text messages instantly.
- Supports emojis, mentions, and formatting (bold, italics, etc.).

**3. Multimedia Sharing**

- Send photos, videos, documents, contacts, and voice notes.
- Capture photos and videos directly from the app.

**4. Voice and Video Calling**

- Free voice and video calls over the internet (VoIP).
- Supports one-on-one and group calls.

**5. Group Chats**

- Create group conversations with up to 1,024 participants (as of 2025).
- Useful for families, friends, teams, and communities.

**6. End-to-End Encryption**

- All messages, calls, and shared media are protected by end-to-end encryption, meaning only the sender and receiver can read them.

**7. Status Updates (Like Stories)**

- Share photos, text, or videos that disappear after 24 hours.



**Facebook**

**Create a Profile:** Share your bio, photos, interests, and life updates.

- **Friends & Groups:** Add friends, join interest-based groups, and engage in discussions.

**Course  
&  
Test Series**

**CBSE**

**ICSE**

**NTSE**

**Banking &  
Insurance**

**Central Govt.  
Service**

**State Govt.  
Services**

**LAW  
Entrance**

**MBA  
Entrance**

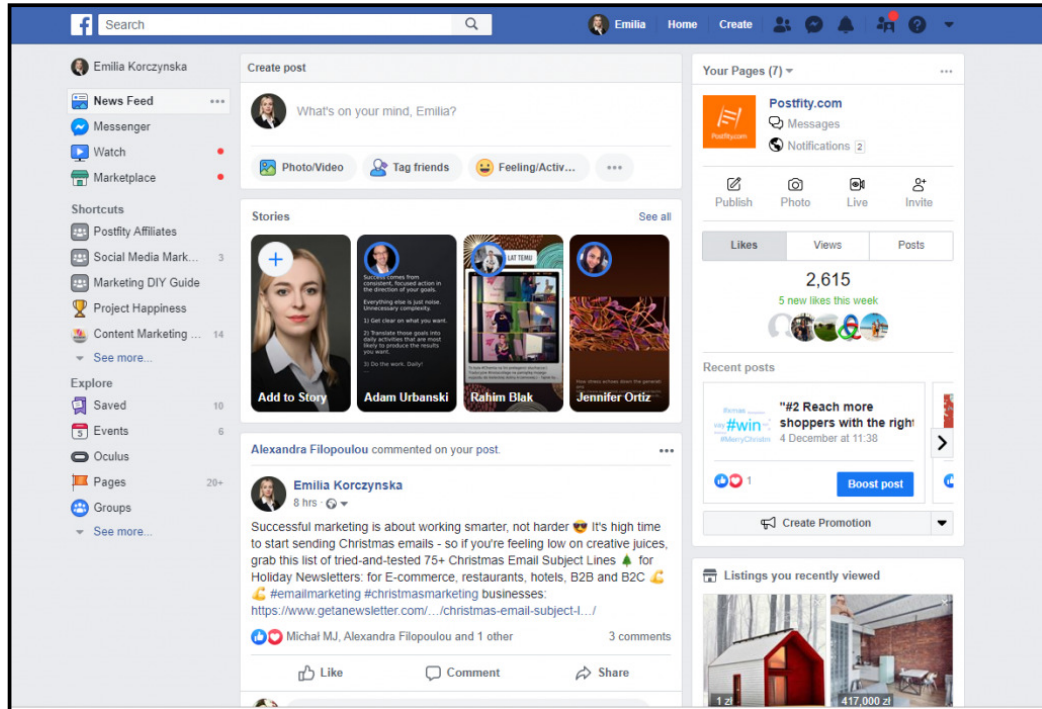
**Railways & Metro  
Services**

**...many more**

**abhyasonline.in**

**Instant Messaging**

- **Timeline Posts:** Post text, photos, videos, links, or check-ins.
- **Reels & Stories:** Share short videos and temporary updates.
- **Live Video:** Stream real-time content to your followers.
- **Events:** Create or join local and online events.



**Telegram**

Telegram is a cloud-based messaging app focused on speed, security, and flexibility. It works similarly to WhatsApp or Facebook Messenger, but it offers more features, greater customization, and better privacy options.

**Main Features of Telegram**

**1. Chats**

- **Private Chats:** One-on-one conversations that are saved in the cloud, so you can access them from any device.
- **Secret Chats:** End-to-end encryption (only you and the recipient can read the messages).
- No screenshots (on some devices).
- **Self-destruct timers:** messages delete themselves after a set time.

**2. Groups**

- Can hold up to 200,000 members.
- Ideal for communities, teams, or classes.

Admins can:

**Course  
&  
Test Series**

 **CBSE**

 **ICSE**

 **NTSE**

 **Banking & Insurance**

 **Central Govt. Service**

 **State Govt. Services**

 **LAW Entrance**

 **MBA Entrance**

 **Railways & Metro Services**

**...many more**

**abhyasonline.in**

**Instant Messaging**

- Control who posts
- Pin important messages
- Ban users
- Add bots

**3. Channels**

- One-way communication (only admins can post).
- Unlimited followers.

Used for:

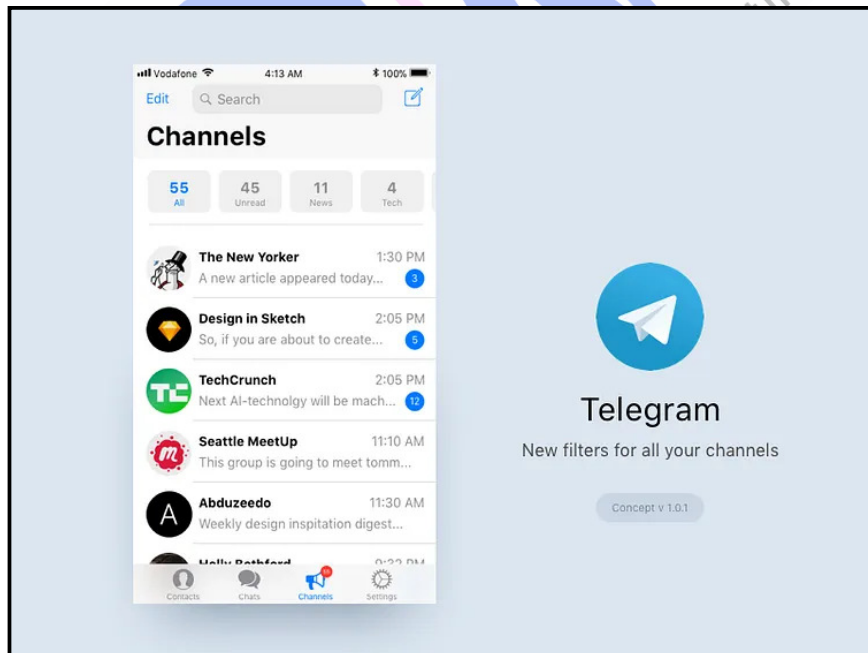
- News
- Updates
- Promotions
- Content sharing (videos, files, articles)

**4. Media and File Sharing**

- Send images, videos, documents, voice notes.
- Files up to 2GB each.
- Stored in the Telegram cloud – doesn't take up space on your device unless you download it.

**Privacy and Security:** Telegram gives you more privacy than WhatsApp or Facebook Messenger:

- No phone number shown (use a username instead).
- Two-Step Verification adds an extra password.
- Delete messages anytime, from both sides.
- Self-destructing messages in secret chats.
- App lock to keep your Telegram safe even if someone accesses your phone.



Course  
&  
Test Series

Instant Messaging

 CBSE

 ICSE

 NTSE

 Banking & Insurance

 Central Govt. Service

 State Govt. Services

 LAW Entrance

 MBA Entrance

 Railways & Metro Services

...many more

abhyasonline.in

Snapchat

Snapchat is a social media app built around **ephemeral (temporary) messaging**. It allows you to send photos, videos, and messages that **disappear after being viewed**. It's especially popular among teens and young adults for its playful and creative features.

Features of Snapchat

1. Snaps

- A Snap is a photo or video you send to friends.
- Disappears after it's viewed (unless the recipient saves it or screenshots it).
- You can add filters, text, drawings, and stickers.

2. Stories

- A series of Snaps that last for 24 hours.
- Can be shared with all your friends or selected people.
- Like Instagram Stories, but originated on Snapchat.

3. Chat

- Text messages that also disappear after viewing.
- You can also send voice notes, Bitmojis, stickers, and money (in some countries).
- Video and voice calls are also available.

4. Spotlight

- Snapchat's version of TikTok: a vertical video feed.
- Share fun or viral videos with a wider audience.
- You can go viral and even earn money if your Spotlight content performs well.

5. Snap Map

- Share your location (optional) and see where your friends are.
- Explore public Snaps from around the world.

6. Memories

- Save Snaps and Stories to your private gallery.
- Only visible to you unless you share them again.

7. Lenses and Filters

- Augmented reality (AR) effects to transform your face, background, or voice.
- Daily updates and special ones for holidays or events.
- You can even create your own lenses using Lens Studio.

Privacy and Safety

Snapchat is built around privacy:

- **Disappearing messages** by default.
- Notifies users when someone **screenshots** a chat or Snap.
- You can limit who can contact you or view your Story.
- Two-factor authentication and privacy settings are available.

**Course  
&  
Test Series**

**Instant Messaging**

-  **CBSE**
-  **ICSE**
-  **NTSE**
-  **Banking & Insurance**
-  **Central Govt. Service**
-  **State Govt. Services**
-  **LAW Entrance**
-  **MBA Entrance**
-  **Railways & Metro Services**
- ...many more**

