For scraping and collecting info, I used the instagram scraper as given in the link.

Using the command line commands I obtained the JSON file as well as the images and videos.

$instagram-scraper <profile to be scraped> --media-metadata

The JSON file contains (accessed using the "GraphImages" key)

1. caption in the "edge_media_to_caption" part. (text)
2. No. of likes in the edge_media_preview_like" part.(count)
3. No. of comments in the "edge_media_to_comment" part.(count)
4. Picture or video in "is_video" which is a Boolean taking true or false.
5. The video views in "video_view_count".
6. When the picture was posted in "taken_at_timestamp".
7. No of followers of account that posted it using command

$instagram-scraper <profile to be scraped> --media-metadata

Follower info (accessed using "GraphProfileInfo" key) is stored inside info ("followers_count" key).

To extract the data, from JSON file, I used JSON library and json.load() command with open(file command). For loops are used to get the desired data as the dictionary are nested, I made a function and supplied adequate keys such as GraphImages etc. to extract the data. For the 7th part, a separate for loop is used.

This way I extracted the required Instagram information.