Question 1: post_id, user_id_rating is the combination of column that would make up the primary key.

Question 2:

a)
post_id → topic_id
post_id → topic_date
post_id → post_date
post_id → topic
post_id → post
post_id → category_id
post_id → category_name
post_id → user_id_author
post_id → username
post_id → email
post_id, user_id_rating → rating

b)
**Just a heads up the underlining for the primary key columns covers parts of their names like the "_" character.

Original table before changes:
Table (post_id, user_id_rating, topic_id, topic_date, post_date, topic, post, category_id, category_name, user_id, username, email, rating)

Newly made/changed tables:
New table:
Posts (post_id, topic_id, topic_date, post_date, topic, post, category_id, category_name, user_id_author, username, email)

Ratings (user_id_rating, post_id, rating)

Question 3:

a)
post_id → topic_id → topic_date, topic, categoiry_id
post_id → category_id → category_name
post_id → user_id_author → username, email

b)

New and old tables:

Ratings (<u>user_id_rating, post_id</u>, rating)

Posts (<u>post_id</u>, topic_id, post_date, post, user_id_author)

Topics (<u>topic_id</u>, topic_date, topic, category_id)

Categories (<u>category_id</u>, category_name)

Users (<u>user_id_author</u>, username, email)

4. Yes, they all meet the requirments of Boycee_Codd normal form. This is because each non-primary key column is determined by the primary key and has no other dependencies with anything else in each table.