AIM:

To execute text preprocessing and analysis pipeline with machine learning model.

Code:

```
import pandas as pd
import re
import spacy.

nlp = spacy.load("en_core_web_sm")

df = pd.read_csv("amazon_reviews.csv")
nlp(df["review_text"].null())

def clean_text_spacy(text):
    if pd.is_null(text):
        return []
    text = text.lower()
    text = text.encode("ascii","ignore").
    doc = nlp(text) decode("ascii")
    token = [token.text for token in doc
             if not token.is_stop]
```

output:
We got this Grps for my husband.

1. I'm a professional xxxxxxx
2. Astha kumar wood bad ugly
3. Rajnikanth coole = power house yy
4. I love xxxx agree in REc.

all - tokens = [token for token in at
from collections import counter
word - frequency = counter (all-tokens)
print (word - freq. most - common
(15))

Result:

Thus the text processing &
analytics niddle with machine learning.