1. ABCD

2. A

3. AB

4. AB

5. A

6. B

7. ABC

8. AC

9. A

10. B

11. A

12. A

13. B

14. C

15. A

The answer of the questions 13 and 12 are not matching when executed in Jupyter Notebook. Also, using the formula for Tfidf manually, no options in ques-13 are matching.

Ans 13--> tf \* idf

= (3/17) \* log(3/1)