

Q.1 Set. (C)

[7 Marks]

Fractography of three components failed are shown in Figure A, Figure B and Figure C given below. Identify the component which has failed due to Fatigue Fracture among the three, name the fracture surface. Also explain the features lead to your decision. When do such fracture occurs?

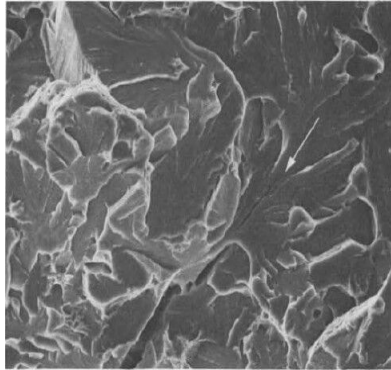


Figure A

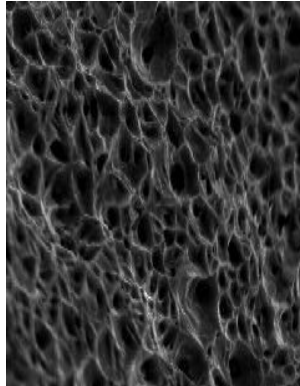


Figure B

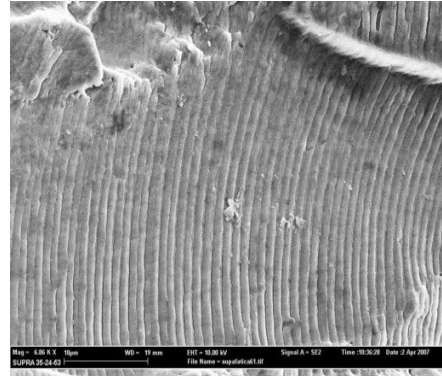


Figure C