Q1:

1. plot (2)
2. observations on trend, cycle, season and random (1)
3. description of observations (1)
4. references to support their observations and consider some news/politics to explain their observations (1)

Q2:

1. characteristics: constant mean, variance, and covariance (1)
2. explanations about characteristics (1)
3. not stationary (1)
4. reasons and analysis (e.g., window slides) (1)
5. references, math equations (1)

Q3:

1. summary of ACF (1)
2. math equations to clearly show the calculation steps with sufficient references (1)
3. summary of PACF (1)
4. math equations to clearly show the calculation steps with sufficient references (2)

Q4:

1. calculate PACF (plot) (1)
2. good explanations and insights for the results (1)
3. lag number = 1 (1)
4. good explanations and insights for the results (1)
5. training plot and RMSE = 51.72 (2)
6. good explanations and insights for the results
7. test plot, prediction results (1)
8. good explanations and insights for the results (1)
9. describe observations (1)
10. good explanations and insights for the results (1)

Q5:

1. strengths (1)
2. weaknesses (1)
3. ways to overcome weaknesses (1)
4. math equations, references (2)