|  |  |  |
| --- | --- | --- |
| **Text  Description automatically generated** | | |
| **PT1/MAAK/1222/A 25-APR-2022** | | |
| **PERIODIC TEST I – (2022-23)**  **ANSWER KEY-SET 1** | | |
| **SUBJECT: MATHEMATICS**  **GRADE: XII** | | **MAX MARKS:35**  **TIME: 80 Mins** |
| **SECTION A (1 mark each)** | | |
| 1. | |A|2 | |
| 2. | A== | |
| 3. | k=1 | |
| 4. | 16 | |
| 5. | k=3 | |
| **Section B ( 2 marks)** | | |
| 6. | A=-2,b=0,c=-3 | |
| 7. | 49 | |
| 8. | *x* = 5; *x* = -3 | |
| 9 | -9/2 | |
| 10. | A= | |
| **Section C ( 3 Marks )** | | |
| 11. | Symmetric Matrix P = = Skew symmetric Matrix Q = = | |
| 12 | A= | |
| 13. | K=1 | |
| 14 | AB = 8 I  B -1 = 1/8 A  BX=C  X = B -1 C = 1/8  X = 3 , y = -2 , z = -1 | |
| 15 | x =1 , y = 3 , z = -2 | |
| 16 | A 2=  A2 – 5 A + 4 I =  = X= | |

\*\*\*