

CLASS TEST

MAX. MARKS:16

1. Find the sum of the following series:
 $5 + (-41) + 9 + (-39) + 13 + (-37) + 17 + \dots$
 $+(-5) + 81 + (-3)$ **3**
2. If the ratio of the sum of first n terms of two APs is
 $(7n+1):(4n+27)$, then find the ratio of their 19th term. **5**
3. How many terms of the AP $9, 17, 25, \dots$ must be taken to give
a sum 636? **3**
4. The angles of a triangle are in A.P. If the greatest angle equals to
the sum of the other two, find the angles. **3**
5. Find the sum of all the numbers between 200 and 500 which are
divisible by 7. **2**