

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS)
APTITUDE TEST

- c) 1455
14. Find the sum $4+9+14+\dots+199$
a) 3500
c) 5500
15. Find the sum of all numbers between 200 and 400 which are divisible by 7
a) 1500
c) 8729
16. Find the sum of the first 12 odd numbers.
a) 280
c) 320
17. Find the sum. $13+15+\dots+47$
a) 120
c) 220
18. How many terms of the series $230+227+224+\dots$ make a sum of 4200
a) 20
c) 32
19. Find the three numbers in A.P whose sum is 21 and sum of their squares is 179
a) 3,5,7
c) 6,13,20
20. In an A.P the seventh and ninth terms respectively 16 and 20 find the nth term
a) $2n+2$
c) $2n$
21. Find the ratio between the 4th and 8th terms of the sequence defined by $a(n)=(-1)^n n^3$
a) 3:5
c) 1:8
22. Determine the rth term of an A.P. whose 6th term is 12 and 8th term is 22
a) $3r-7$
c) $2r-6$
23. If pth term of an A.P is q the qth term is p, Find its term
a) $p+q-r$
c) $-p+q+r$
24. If 7 times the 7th term of an A.P is equal to 11 times its eleventh term, find the 18th term of the A.P.
a) 0
c) 6
25. Determine k so that $k+2, 4k-6$ and $4k-2$ are the three consecutive terms of an A.P
a) 2
c) 8
d) 3430
b) 4060
d) 2440
b) 4200
d) 6978
b) 180
d) 144
b) 230
d) 540
b) 21
d) 43
b) 5,9,13
d) 3,7,11
b) $n+4$
d) $n-4$
b) 5:3
d) 8:1
b) $5r-18$
d) $5r-9$
b) $-r+p+q$
d) $pq+r$
b) 5
d) 3
b) 4
d) -4