

Model Test Paper-1

Answer Key

Section-A

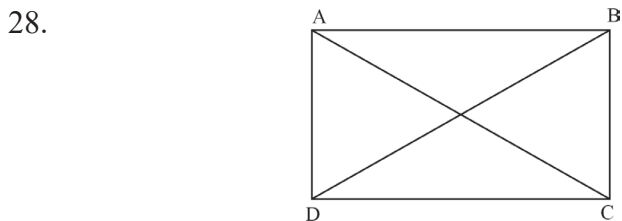
- | | | | | |
|---------|---------|---------|---------|---------|
| 1. (b) | 2. (c) | 3. (c) | 4. (d) | 5. (c) |
| 6. (d) | 7. (b) | 8. (b) | 9. (a) | 10. (d) |
| 11. (c) | 12. (b) | 13. (a) | 14. (d) | 15. (b) |
| 16. (d) | 17. (c) | 18. (a) | 19. C | 20. A |

Section-B

21. $\angle AOD, \angle DOB, \angle BOC, \angle COA$
22. (a) Acute (b) Obtuse (c) Right (d) Reflex
23. $14000 + 350 = 14350$
24. 21, 64, 32, 16, 8, 4, 2, 1
25. (a) 37 (b) 35

Section-C

26. 404, 505, 444, 555, 454, 545 (6 Palindromes)
27. $9999 = 3 \times 3 \times 11 \times 101$



6 line segments: AB, BC, CD, DA, AC, BD

29. ($\star = 6$)
- $(8 + 4 + 12 + 2) \div 2 = 13$
- $(16 + 8 + 4 + 24) \div 2 = 26$
- $(14 + \star + 2 + 22) \div 2$
30. ($\star = 5$)
- $(6 - 3) \times 10 = 30$
- $(9 - 5) \times 7 = 28$
- $(7 - 2) \times 5 = 25$
31. (i) 90 (ii) 40 (iii) B (iv) 130°



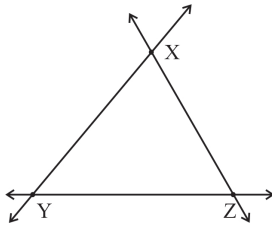
Section-D

32. (a) 14.2, 14.3, 14.5, 14.8, 15.2, 15.7, 15.8, 16.1, 16.5, 16.9

(b) 16.9 kg (c) 14.2 kg (d) 5 (e) 3

33.
$$\begin{array}{r} 8632 \\ -2368 \\ \hline 6264 \end{array} \quad \begin{array}{r} 6642 \\ -2466 \\ \hline 4176 \end{array} \quad \begin{array}{r} 7641 \\ -1467 \\ \hline 6174 \end{array} \quad (3 \text{ steps})$$

34.



(i) 3 lines
 $\overline{XY}$ $\overline{YZ}$ $\overline{ZX}$

(ii) 3 angles

(iii) $\angle XYZ$, $\angle YZX$, $\angle ZXY$

35. (i) 1, 5, 25 (ii) 25, 50, 75, 100, 125

36. (i) a (ii) c (iii) d (iv) b

37. (i) c (ii) d (iii) b (iv) a

38. (i) d (ii) a (iii) c (iv) c