

Answer Ex-I**SINGLE CORRECT (OBJECTIVE QUESTIONS)**

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|-------|-------|-------|-------|-------|-------|-------|
| 1. C | 2. C | 3. C | 4. C | 5. B | 6. C | 7. B |
| 8. B | 9. B | 10. B | 11. A | 12. B | 13. B | 14. C |
| 15. B | 16. A | 17. B | 18. B | 19. C | 20. A | 21. A |
| 22. B | 23. A | 24. A | 25. A | 26. B | 27. C | 28. B |
| 29. D | 30. D | 31. C | 32. B | 33. C | 34. B | 35. C |
| 36. C | 37. C | 38. B | 39. A | 40. C | 41. A | 42. B |
| 43. C | 44. A | 45. A | 46. A | 47. C | 48. A | 49. B |
| 50. B | 51. D | 52. C | 53. B | 54. C | 55. B | 56. B |
| 57. C | | | | | | |

Answer Ex-II**MULTIPLE CORRECT (OBJECTIVE QUESTIONS)**

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|----------|--------|------------|----------|--------|------------|--------|
| 1. A,B | 2. B,D | 3. A,B,C,D | 4. A,C,D | 5. A,B | 6. A,B,C,D | 7. B,D |
| 8. A,C,D | 9. A,C | 10. A,C,D | | | | |

Answer Ex-III**SUBJECTIVE QUESTIONS**

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|--------------------------|-----------------------------------|---------------|-----------------------------|----------------|
| 5. $\frac{P}{2\sqrt{R}}$ | 6. $\frac{2}{3} \cot \frac{B}{2}$ | 8. 9sq. units | 13. $\angle ABD = 30^\circ$ | 17. 1, 1 and 2 |
|--------------------------|-----------------------------------|---------------|-----------------------------|----------------|

Answer Ex-IV**ADVANCED SUBJECTIVE QUESTIONS**

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|---|---------------------------|-------------------------|--------|---------------|
| 10. 120° | 12. $\pi/6, \pi/3, \pi/2$ | 13. 400 | 14. 50 | 19. Isosceles |
| 22. $B = \frac{5\pi}{12}; C = \frac{\pi}{12}; \frac{b}{c} = 2 + \sqrt{3}$ | 23. $r = 11$ | 24. $\frac{9}{2}$ units | | |

Answer Ex-V**JEE PROBLEMS**

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|--------------------------|-----------------|---------|-------|--------------------------|
| 1. 6, 8, 10 cms | 2. (a) A, (b) B | 5. D | 7. D | 8. (a) B; (b) $\sqrt{5}$ |
| 9. (a) C, (b) A, B, C, D | 10. 4 | 11. B,C | 12. D | |
| 13. B | 14. 3 | | | |