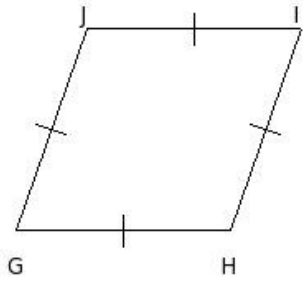
EduSahara™ Assignment

Name : Rhombus Properties

Chapter : Quadrilaterals

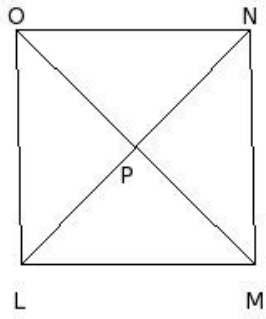
Grade : SSC Grade VII

1. Identify the figure below



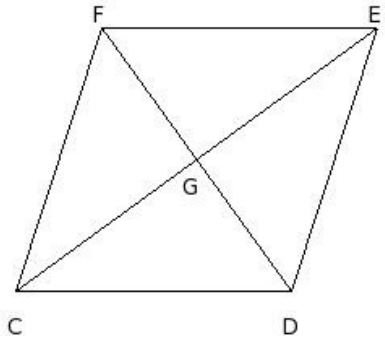
(i) circle (ii) kite (iii) rhombus (iv) rectangle (v) angle

2. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\overline{NO} \parallel$



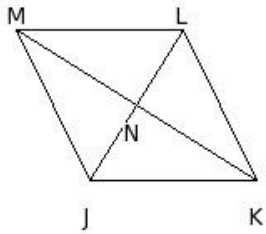
(i) $\overline{MN}$ (ii) $\overline{LM}$ (iii) $\overline{OL}$ (iv) $\overline{MO}$

3. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then $FC \neq$



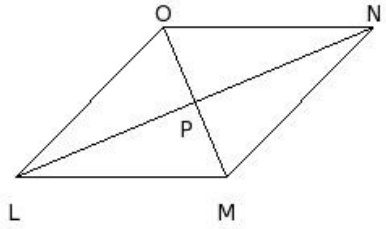
(i) EF (ii) DE (iii) CD (iv) DF

4. In rhombus JKLM, diagonals $\overline{JL}$ and $\overline{KM}$ intersect at N. Then $\triangle JKL \cong$



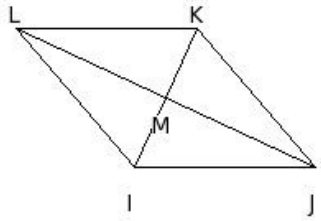
(i) $\triangle MJK$ (ii) $\triangle KLM$ (iii) $\triangle NJK$ (iv) $\triangle LMJ$

5. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then $\triangle PLM \ncong$



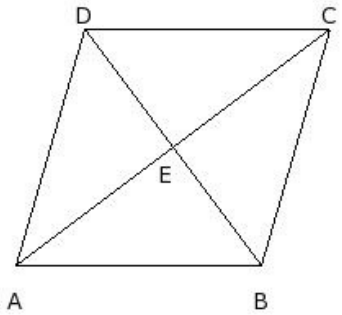
(i) $\triangle PNO$ (ii) $\triangle PLO$ (iii) $\triangle OLM$ (iv) $\triangle PNM$

6. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then $\angle LIJ =$



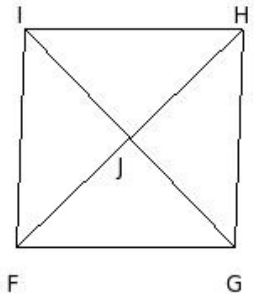
(i) $\angle IJM$ (ii) $\angle IJK$ (iii) $\angle JKL$ (iv) $\angle KLI$

7. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\angle DEC \neq$



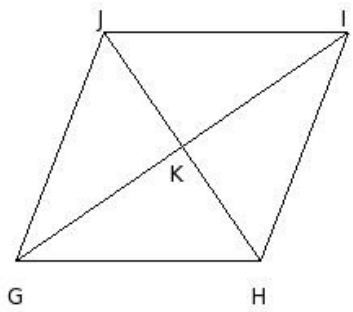
(i) $\angle AED$ (ii) $\angle CEB$ (iii) $\angle BEA$ (iv) $\angle DAB$

8. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\angle JHI \neq$



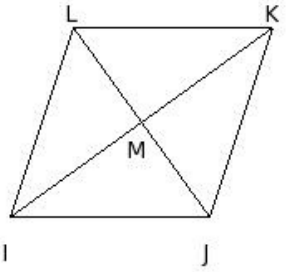
(i) $\angle FJI$ (ii) $\angle JFG$ (iii) $\angle IFJ$ (iv) $\angle GHJ$

9. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then $\angle KHI \neq$



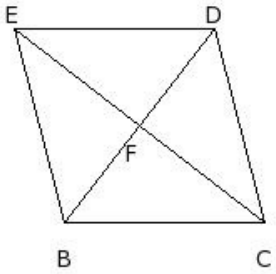
(i) $\angle GHK$ (ii) $\angle IJK$ (iii) $\angle JKI$ (iv) $\angle KJG$

10. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then IM =



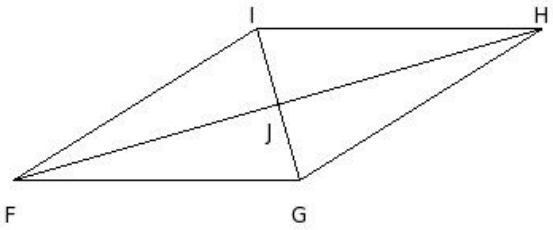
(i) LI (ii) JM (iii) KM (iv) LM

11. In rhombus BCDE, diagonals $\overline{BD}$ and $\overline{CE}$ intersect at F. Then $\overline{BC} \parallel$



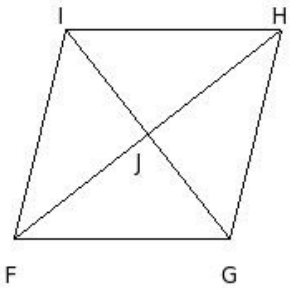
(i) $\overline{DE}$ (ii) $\overline{EB}$ (iii) $\overline{CE}$ (iv) $\overline{CD}$

12. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\overline{IF} \parallel$



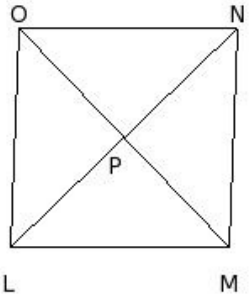
(i) $\overline{FG}$ (ii) $\overline{GI}$ (iii) $\overline{GH}$ (iv) $\overline{HI}$

13. In rhombus FGHI, diagonals $\overline{FH}$ and $\overline{GI}$ intersect at J. Then $\overline{GH} \parallel$



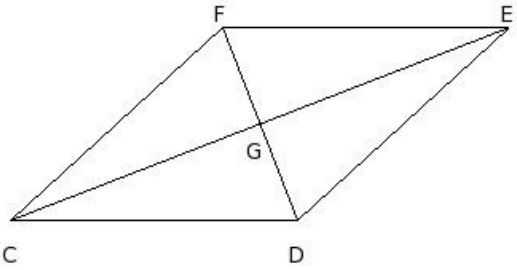
(i) $\overline{IF}$ (ii) $\overline{GI}$ (iii) $\overline{FG}$ (iv) $\overline{HI}$

14. In rhombus LMNO, diagonals $\overline{LN}$ and $\overline{MO}$ intersect at P. Then LM ≠



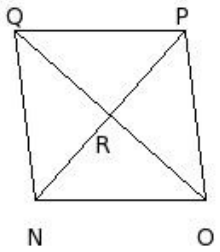
(i) MN (ii) NO (iii) OL (iv) MO

15. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then EF ≠



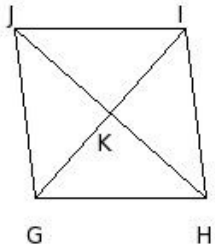
(i) CD (ii) DF (iii) DE (iv) FC

16. In rhombus NOPQ, diagonals $\overline{NP}$ and $\overline{OQ}$ intersect at R. Then OP ≠



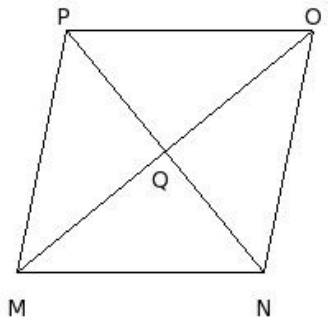
(i) PQ (ii) QN (iii) NO (iv) OQ

17. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then △JGH ≅



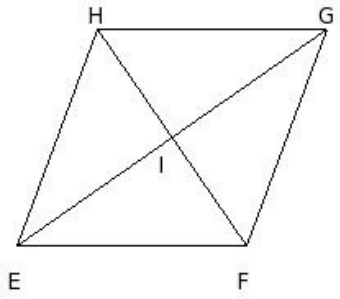
(i) △IJG (ii) △HIJ (iii) △KGH (iv) △GHI

18. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\triangle NOP \cong$



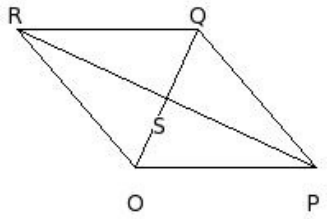
(i) $\triangle PMN$ (ii) $\triangle QMN$ (iii) $\triangle MNO$ (iv) $\triangle OPM$

19. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\triangle GHE \cong$



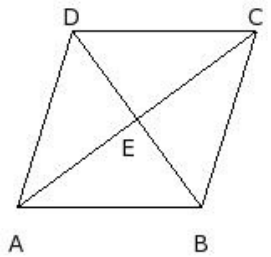
(i) $\triangle HEF$ (ii) $\triangle IEF$ (iii) $\triangle FGH$ (iv) $\triangle EFG$

20. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\triangle SQP \ncong$



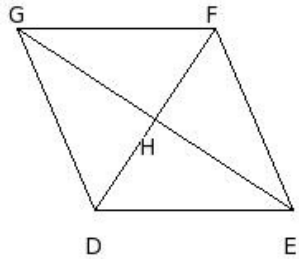
(i) $\triangle SOR$ (ii) $\triangle ROP$ (iii) $\triangle SOP$ (iv) $\triangle SQR$

21. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\triangle ECD \ncong$



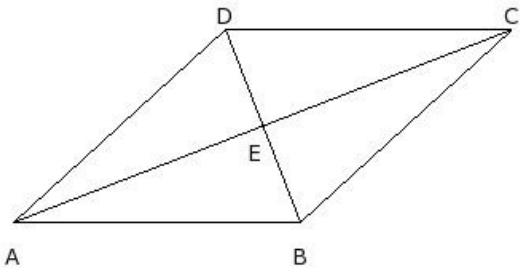
(i) $\triangle EAB$ (ii) $\triangle DAB$ (iii) $\triangle ECB$ (iv) $\triangle EAD$

22. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\triangle HDG \ncong$



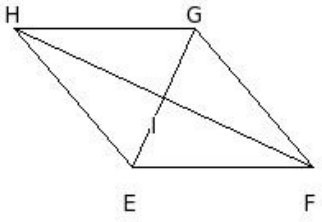
(i) $\triangle HDE$ (ii) $\triangle GDE$ (iii) $\triangle HFE$ (iv) $\triangle HFG$

23. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\angle BCD =$



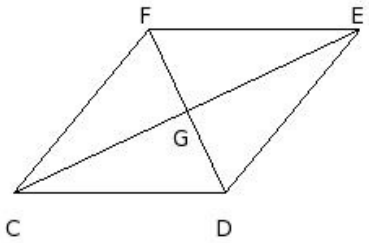
(i) $\angle ABC$ (ii) $\angle DAB$ (iii) $\angle CDA$ (iv) $\angle ABE$

24. In rhombus EFGH, diagonals $\overline{EG}$ and $\overline{FH}$ intersect at I. Then $\angle EFG =$



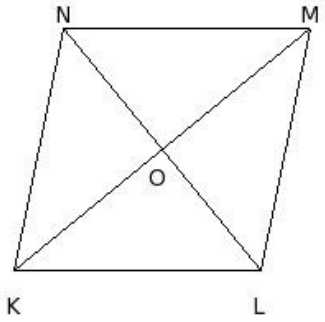
(i) $\angle HEF$ (ii) $\angle EFI$ (iii) $\angle GHE$ (iv) $\angle FGH$

25. In rhombus CDEF, diagonals $\overline{CE}$ and $\overline{DF}$ intersect at G. Then $\angle EFC =$



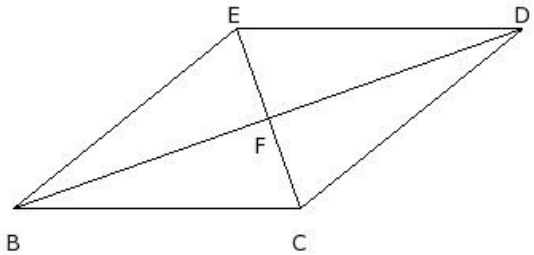
(i) $\angle FCD$ (ii) $\angle CDE$ (iii) $\angle DEF$ (iv) $\angle CDG$

26. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\angle LOK \neq$



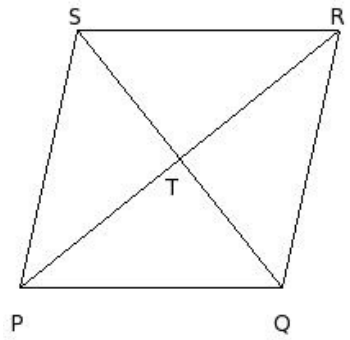
(i) $\angle KON$ (ii) $\angle NOM$ (iii) $\angle NKL$ (iv) $\angle MOL$

27. In rhombus BCDE, diagonals $\overline{BD}$ and $\overline{CE}$ intersect at F. Then $\angle BFE \neq$



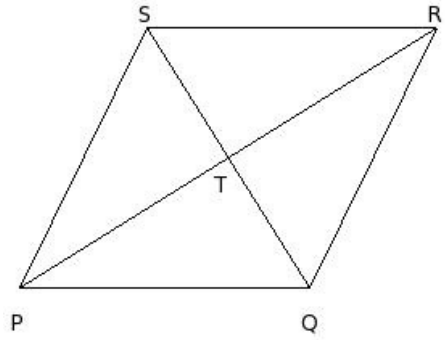
(i) $\angle EBC$ (ii) $\angle CFB$ (iii) $\angle EFD$ (iv) $\angle DFC$

28. In rhombus PQRS, diagonals $\overline{PR}$ and $\overline{QS}$ intersect at T. Then $\angle RTQ \neq$



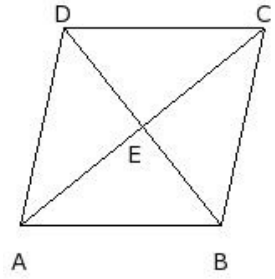
(i) $\angle QTP$ (ii) $\angle PTS$ (iii) $\angle SPQ$ (iv) $\angle STR$

29. In rhombus PQRS, diagonals $\overline{PR}$ and $\overline{QS}$ intersect at T. Then $\angle TPQ \neq$



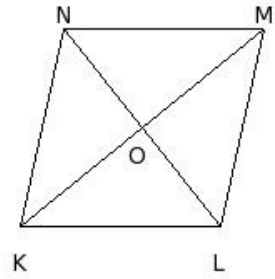
(i) $\angle TRS$ (ii) $\angle QRT$ (iii) $\angle SPT$ (iv) $\angle PTS$

30. In rhombus ABCD, diagonals $\overline{AC}$ and $\overline{BD}$ intersect at E. Then $\angle DAE \neq$



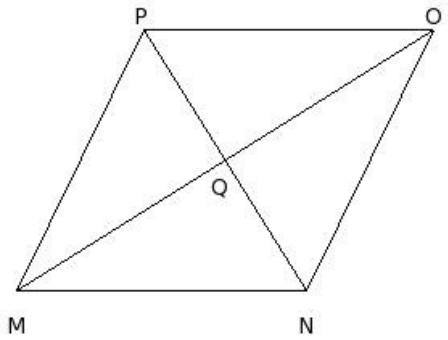
(i) $\angle ECD$ (ii) $\angle AED$ (iii) $\angle BCE$ (iv) $\angle EAB$

31. In rhombus KLMN, diagonals $\overline{KM}$ and $\overline{LN}$ intersect at O. Then $\angle LMO \neq$



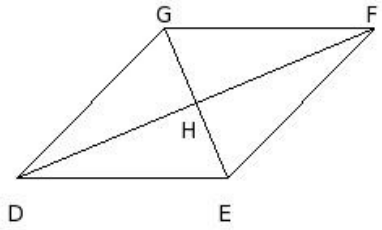
(i) $\angle OKL$ (ii) $\angle NKO$ (iii) $\angle KON$ (iv) $\angle OMN$

32. In rhombus MNOP, diagonals $\overline{MO}$ and $\overline{NP}$ intersect at Q. Then $\angle QPM \neq$



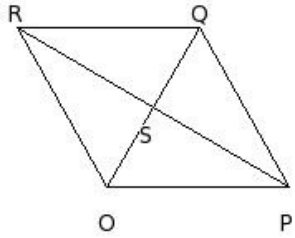
(i) $\angle QNO$ (ii) $\angle MNQ$ (iii) $\angle PQO$ (iv) $\angle OPQ$

33. In rhombus DEFG, diagonals $\overline{DF}$ and $\overline{EG}$ intersect at H. Then $\angle DEH \neq$



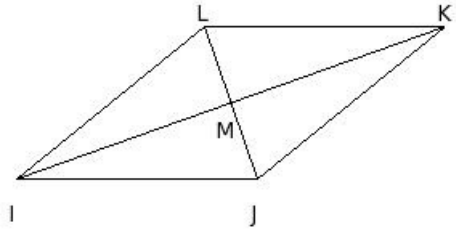
(i) $\angle HEF$ (ii) $\angle FGH$ (iii) $\angle HGD$ (iv) $\angle GHF$

34. In rhombus OPQR, diagonals $\overline{OQ}$ and $\overline{PR}$ intersect at S. Then $\angle QRS \neq$



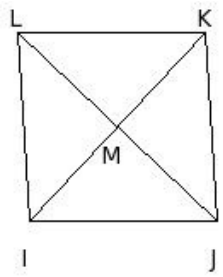
(i) $\angle SPQ$ (ii) $\angle SRO$ (iii) $\angle RSQ$ (iv) $\angle OPS$

35. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then LM =



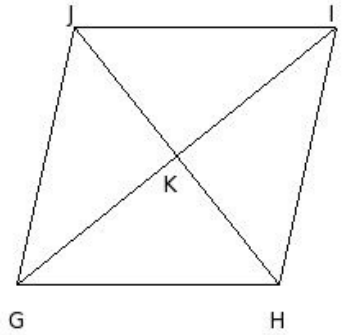
(i) KM (ii) JM (iii) LI (iv) IM

36. In rhombus IJKL, diagonals $\overline{IK}$ and $\overline{JL}$ intersect at M. Then JM =



(i) IM (ii) LM (iii) KM (iv) LI

37. In rhombus GHIJ, diagonals $\overline{GI}$ and $\overline{HJ}$ intersect at K. Then IK =



(i) JK (ii) HK (iii) JG (iv) GK

Assignment Key

1) (iii)	2) (ii)	3) (iv)	4) (iv)	5) (iii)	6) (iii)
7) (iv)	8) (i)	9) (iii)	10) (iii)	11) (i)	12) (iii)
13) (i)	14) (iv)	15) (ii)	16) (iv)	17) (ii)	18) (i)
19) (iv)	20) (ii)	21) (ii)	22) (ii)	23) (ii)	24) (iii)
25) (ii)	26) (iii)	27) (i)	28) (iii)	29) (iv)	30) (ii)
31) (iii)	32) (iii)	33) (iv)	34) (iii)	35) (ii)	36) (ii)
37) (iv)					