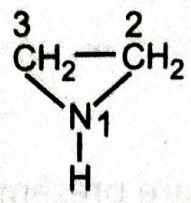
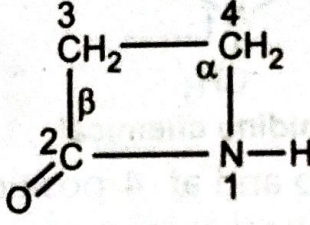
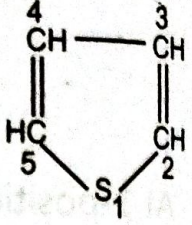
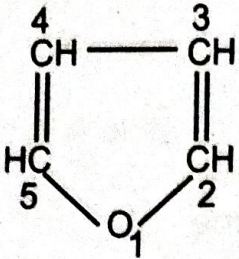
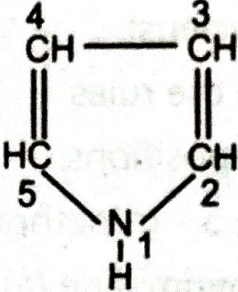
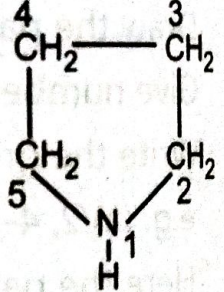
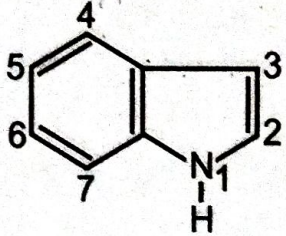
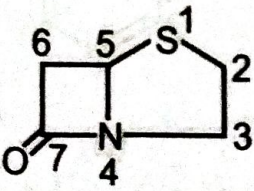
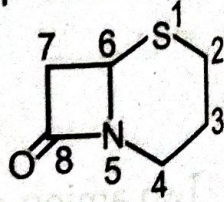
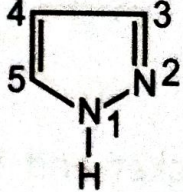
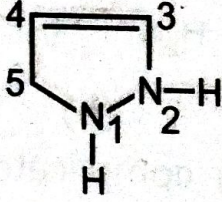
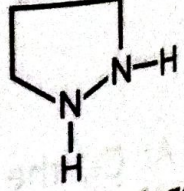
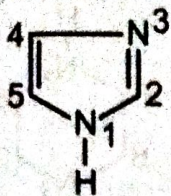


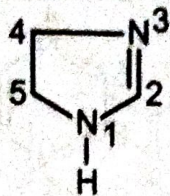
4.3 NAMES OF DIFFERENT HETEROCYCLIC RINGS WITH NUMBERING AND NAME OF DRUGS

<p>1. Aziridine</p>  <p>e.g. Mitomycin</p>	<p>2. β-lactum</p>  <p>e.g. Cephalixin, Penicillin</p>	<p>3. Thiophene (Thiole)</p>  <p>e.g. Cephalathin</p>
<p>4. Furan</p>  <p>e.g. Nitrofurantoin frusemide</p>	<p>5. Pyrrole (Azole)</p>  <p>e.g. Viprynum</p>	<p>6. Pyrrolidine</p>  <p>e.g. Ethosuccimide</p>
<p>7. Indole</p>  <p>e.g. Indomethacin reserpine</p>	<p>8. Penam</p>  <p>e.g. Penicillin, ampicillin</p>	<p>9. Cepham</p>  <p>e.g. Cephalixin, cephaloridine</p>
<p>10. Pyrazole</p>  <p>e.g. Sulphaphenazole</p>	<p>11. 3-Pyrazoline</p>  <p>e.g. Analgin</p>	<p>12. Pyrazolidine</p>  <p>e.g. Phenyl butazone, oxyphenbutazone</p>

13. Imidazole ¹⁴

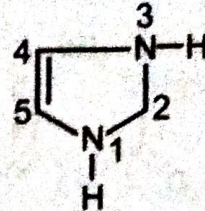
e.g. Metronidazole

14. 2-Imidazoline



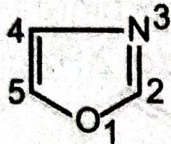
e.g. Tolazoline

15. 4-Imidazoline



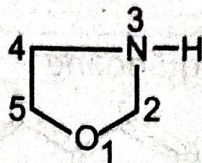
e.g. Carbimazole

16. Oxazole



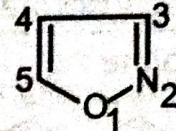
e.g. Metronidazole

17. Oxazolidine

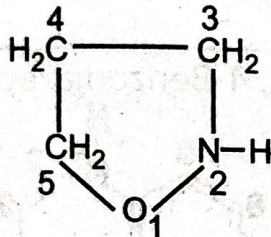


e.g. Troxidone

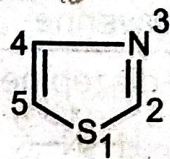
18. Isoxazole

e.g. Sulphisoxazole
sulphamethoxazole

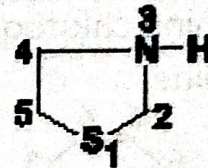
19. Isoxazolidine



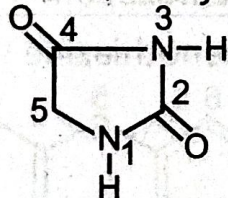
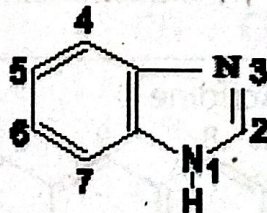
e.g. Cycloserine

20. Thiazole ¹⁸e.g. Thiamine, phthalyl-
sulphathiazole

21. Thiazolidine

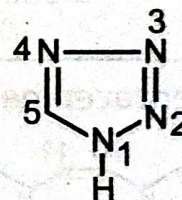
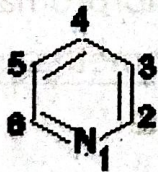


e.g. Penicillin

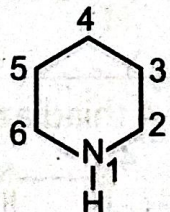
22. Imidazolidine-
2, 4-dione, or Hydantion ⁷e.g. Nitrofurantoin,
Phenytoin23. Benzimidazole ¹⁹

e.g. Mebendazole

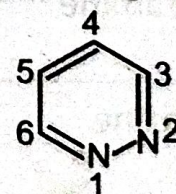
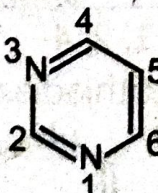
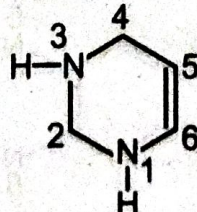
24. Tetrazole

25. Pyridine ²e.g. Pyridoxine
(Vitamin B₆),
Nicotinamide,
Mepyramine

26. Piperidine

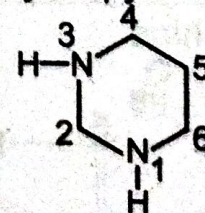


e.g. Pethidine

27. Pyridazine ⁵e.g. Sulphamethoxy
pyridazine28. Pyrimidine ⁹e.g. Sulphadiazine, Thiamine,
Trimethoprim29. 1, 2, 3, 4-tetra-hydro,
pyrimidine

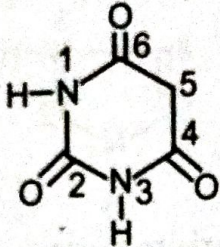
e.g. Propyl thiouracil

30. Perhydropyrimidine



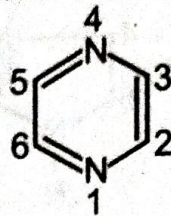
e.g. Primidone

31. Barbituric acid



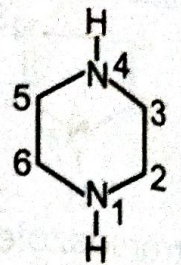
e.g. Phenobarbitone
cyclobarbitone

32. Pyrazine



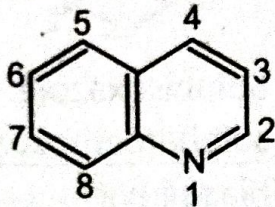
e.g. Pyrazinamide

33. Piperazine



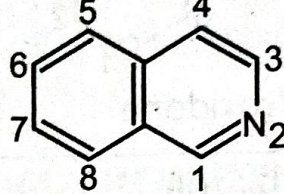
e.g. Meclozine,
Prochlorperazine

34. Quinoline



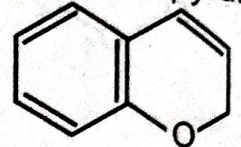
e.g. Quinine chloroquine

35. Isoquinoline



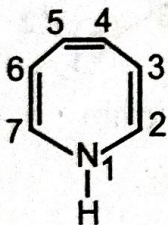
e.g. Papaverine

36. Benzo-2(H)-pyran



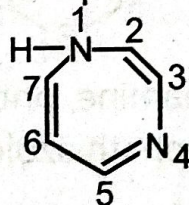
e.g. Coumarin, Warfarin

37. Azepine

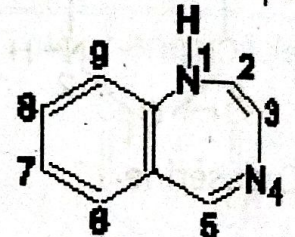


e.g. Carbamazepine

38. 1,4-diazepine

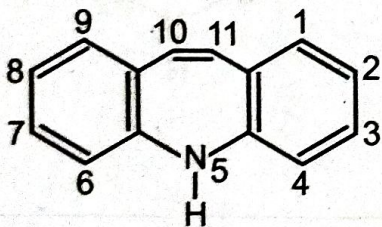


39. 1,4-Benzodiazepine



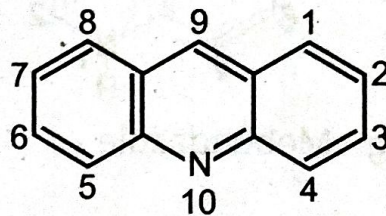
e.g. Diazepam,
Lorazepam

40. Diabenzazepine



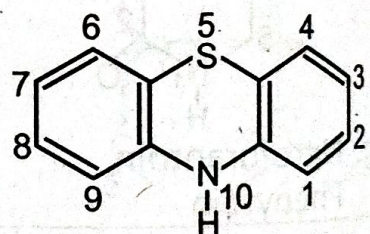
e.g. Imipramine

41. Acridine



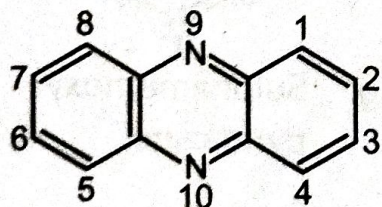
e.g. Mepacrine, Proflavine

42. Phenothiazine



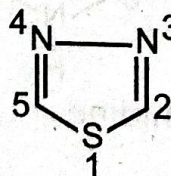
e.g. Chlorpromazine,
Promethazine

43. Phenazine



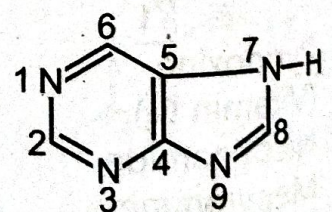
e.g. Clofazimine

44. 1,3,4-thiadiazole



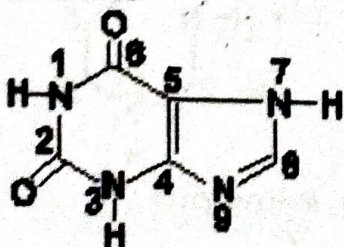
e.g. Acetazolamide

45. Purine

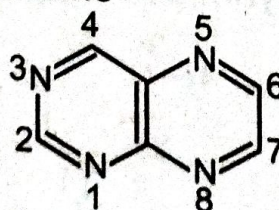


e.g. Mercaptopurine

46. Xanthine

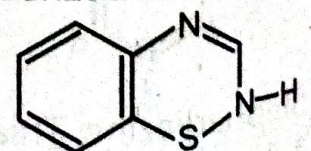


47. Pteridine

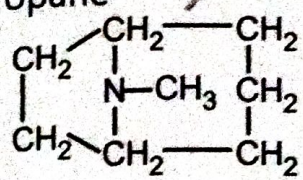
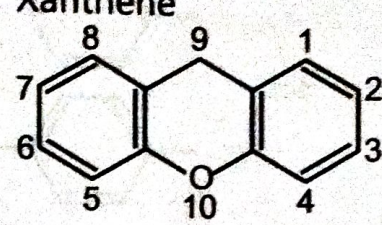
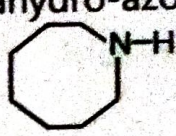


e.g. Folic acid

48. 2(H)-1,2,4-Benzothiadiazine



e.g. Chlorthiazide

e.g. Caffeine		Hydrochlorothiazide
49. Tropane 	50. Xanthene 	51. Octahydro-azocine 
e.g. Atropine	e.g. Propantheline	e.g. Guanethidine

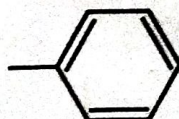
4.4 ORGANIC GROUPS

1. Alkyl

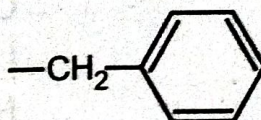
- (i) Methyl $-CH_3$
- (ii) Ethyl $-C_2H_5$
- (iii) n-propyl $-CH_2-CH_2-CH_3$
- (iv) Iso-propyl $-CH-CH_3$
 $|$
 CH_3
- (v) n-butyl $-CH_2-CH_2-CH_2-CH_3$
- (vi) Secondary butyl
or 1-methyl-propyl $-CH-CH_2-CH_3$
 $|$
 CH_3
 CH_3
- (vii) Tert. butyl $-C-CH_3$
 $|$
 CH_3
- (viii) Vinyl $-CH=CH_2$
- (ix) Allyl $-CH-CH=CH_2$
- (x) Ethynyl $-C\equiv CH$

2. Aryl

(i) Phenyl



(ii) Benzyl



(iii) o-tolyl

