

# Chemistry in Everyday Life

1. Aspirin is known as [AIIEEE-2012]
- (1) Phenyl salicylate
  - (2) Acetyl salicylate
  - (3) Methyl Salicylic acid
  - (4) Acetyl salicylic acid
2. Which of the following compounds is not an antacid? [JEE (Main)-2015]
- (1) Aluminium Hydroxide
  - (2) Cimetidine
  - (3) Phenelzine
  - (4) Ranitidine
3. Which of the following is an anionic detergent? [JEE (Main)-2016]
- (1) Sodium lauryl sulphate
  - (2) Cetyltrimethyl ammonium bromide
  - (3) Glyceryl oleate
  - (4) Sodium stearate
4. The correct match between Item-I and Item-II is [JEE (Main)-2019]
- | Item-I (drug)     | Item-II (test)                    |
|-------------------|-----------------------------------|
| A. Chloroxylenol  | P. Carbylamine test               |
| B. Norethindrone  | Q. Sodium hydrogen Carbonate test |
| C. Sulphapyridine | R. Ferric chloride test           |
| D. Penicillin     | S. Bayer's test                   |
5. The correct match between item (I) and item (II) is [JEE (Main)-2019]
- | Item - I          | Item - II          |
|-------------------|--------------------|
| (A) Norethindrone | (P) Anti-biotic    |
| (B) Ofloxacin     | (Q) Anti-fertility |
| (C) Equanil       | (R) Hypertension   |
|                   | (S) Analgesics     |
6. Match the metals (column I) with the coordination compound(s)/enzyme(s) (column II) [JEE (Main)-2019]
- | (Column I) | (Column II)                         |
|------------|-------------------------------------|
| Metals     | Coordination compound(s)/ enzyme(s) |
| (A) Co     | (i) Wilkinson catalyst              |
| (B) Zn     | (ii) Chlorophyll                    |
| (C) Rh     | (iii) Vitamin B <sub>12</sub>       |
| (D) Mg     | (iv) Carbonic anhydrase             |
7. Noradrenaline is a / an [JEE (Main)-2019]
- (1) Neurotransmitter
  - (2) Antihistamine
  - (3) Antacid
  - (4) Antidepressant

8. The compound used in the treatment of lead poisoning is : **[JEE (Main)-2019]**
- EDTA
  - Desferrioxime B
  - Cis-platin
  - D-penicillamine
9. The antifertility drug "Novestrol" can react with **[JEE (Main)-2020]**
- $\text{Br}_2/\text{water}$ ;  $\text{ZnCl}_2/\text{HCl}$ ;  $\text{FeCl}_3$
  - $\text{ZnCl}_2/\text{HCl}$ ;  $\text{FeCl}_3$ ; Alcoholic HCN
  - $\text{Br}_2/\text{water}$ ;  $\text{ZnCl}_2/\text{HCl}$ ;  $\text{NaOCl}$
  - Alcoholic HCN;  $\text{NaOCl}$ ;  $\text{ZnCl}_2/\text{HCl}$
10. Match the following drugs with their therapeutic actions
- |                       |                    |
|-----------------------|--------------------|
| (i) Ranitidine        | (a) Antidepressant |
| (ii) Nardil           | (b) Antibiotic     |
| (Phenelzine)          |                    |
| (iii) Chloramphenicol | (c) Antihistamine  |
| (iv) Dimetane         | (d) Antacid        |
| (Brompheniramine)     |                    |
| (e) Analgesic         |                    |
- [JEE (Main)-2020]**
- (i)-(d); (ii)-(c); (iii)-(a); (iv)-(e)
  - (i)-(d); (ii)-(a); (iii)-(b); (iv)-(c)
  - (i)-(e); (ii)-(a); (iii)-(c); (iv)-(d)
  - (i)-(a); (ii)-(c); (iii)-(b); (iv)-(e)
11. If a person is suffering from the deficiency of nor-adrenaline, what kind of drug can be suggested? **[JEE (Main)-2020]**
- Analgesic
  - Antidepressant
  - Anti-inflammatory
  - Antihistamine
12. The following molecule acts as an
- (Brompheniramine)
- [JEE (Main)-2020]**
- Anti-depressant
  - Antiseptic
  - Anti-bacterial
  - Anti-histamine
13. The number of chiral carbons in chloramphenicol is \_\_\_\_\_. **[JEE (Main)-2020]**
14. The number of chiral centres in penicillin is \_\_\_\_\_. **[JEE (Main)-2020]**