



# CHEMISTRY

## BOOKS - R SHARMA CHEMISTRY (HINGLISH)

### CHEMISTRY IN EVERYDAY LIFE

#### Follow Up Test 1

1. Which of the following statement is true?

A. All medicines are called drugs

B. A drug can't be a medicine

C. All drugs are medicines

D. A medicine can't be a drug

**Answer: A**



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**Follow Up Test**

1. Which of the classifications of drugs is useful for doctors?

- A. On the basis of molecular targets
- B. On the basis of chemical structure
- C. On the basis of drug action
- D. On the basis of pharmacological effect

**Answer: D**



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2. Which of the following biomolecules are called target molecules or drugs target?

A. Nucleic acids

B. Proteins

C. Carbohydrates

D. All of these

**Answer: D**



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3. Which of the following statements is not correct?

A. Receptors are those proteins which are crucial to communication system in the body

B. Neurotransmitters are quickly degraded

C. Side effects of drugs are produced when a drug binds to more than one receptor in the body

D. Receptors are evenly distributed in the  
body

**Answer: D**



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4. Drugs which inhibit the attachment of substrate on active site of enzymes by binding to allosteric site are called

A. Enzyme inhibitors

B. Noncompetitive inhibitors

C. Both (1) and (2)

D. Competitive inhibitors

**Answer: C**



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5. Which of the following drugs are useful when blocking of message is required?

A. Antagonists

B. Antigens

C. Agates

D. Agonist

**Answer: A**



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**6. Which of the following is not an antiallergic drug?**

A. Promethazine



B. Chlorpheniramine

C. iproniazid

D. Diphenylhydramine

**Answer: C**



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7. Drugs which inhibit the enzymes that catalyse the degradation of noradrenaline are called?

A. Tranquilizer

B. antidepressant drugs

C. antistatic agents

D. Both (1) and (2)

**Answer: D**



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8. Which of the following analgesics is an acetylation product of o-hydroxybenzoic acid

A. Aspirin

B. Ibuprofen

C. Naproxen

D. Diclofenac sodium

**Answer: A**



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**9. Paracetamol is used as**

A. an antimalarial

B. both analgesic and antipyretic

C. an analgesic

D. an antipyretic

**Answer: B**



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**10.** The most widely used analgesic for severe pain is

A. phenacetin

B. aspirin

C. paracetamol

D. morphine

**Answer: D**



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**11. Which of the following is an antimicrobial?**

(i) Antibacterial drug (ii) Antifungal agent

(iii) Antiviral agent

(iv) Antiparasitic drug

A. (i),(iii)

B. (ii),(iii)

C. (i),(ii),(iii),(iv)

D. (i),(ii),(iii)

**Answer: C**



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**12.** Salvarsan, an organic arsemic derivative, used in the treatment of

A. cholera

B. syphilis

C. typhoid

D. jaundice

**Answer: B**



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**13.** The first effective antibacterial agent prepared was

A. prontosil

B. alizarin

C. phenolphthalein

D. methyl orange

**Answer: A**



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**14.** Sulpha drugs used as antibiotics are derivatives of



A. suophanilic acid

B. salicylic acid

C. Sulphanilamide

D. benzence sulphonamide

**Answer: C**



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**15.** Which of the following is an example of a broad spectrum  
broad spectrum

A. Ampicillin

B. Streptomycin

C. Sulphanilamide

D. Penicillin G

**Answer: C**



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**16.** Which of the following is a disinfectant and in a diluted form acts as an antiseptic as well?

A. Phenol

B. Chlorine

C. Sulphur dioxide

D. Iodine

**Answer: A**



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**17.** Which of the following compounds is added to soap to impart antiseptic properties?

A. Chloroxylenol

B. Terpineol

C. Both (1) and (2)

D. Bithionol

**Answer: D**



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**18.** Which of the following is used as a "morning after pill" in many countries

A. Mifepristone

B. Ethyhylestradiol

C. Norethindrone

D. Both (2) and (3)

**Answer: A**



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**19.** Which of the following sweeteing agents is used in the preparation of sweets for a diabetic patient?

A. Cyclamate

B. L-Glucose

C. Aspartame

D. Saccharin

**Answer: D**



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**20.** Which of the following food preservatives is metabolized to hippuric acid?

A. Sodium propionate

B. Sodium carbonate

C. Sodium benzoate

D. All of these

**Answer: C**



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**21. Most soaps are manufactured by**

A. esterification

B. saponification

C. Eutrophication

D. alkylation

**Answer: C**



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**22. Anionic detergents are**

A. Sodium alkylsulphonates

B. Sodium alkyl sulphates



C. Sodium alkylbenzene sulphonates

D. All of these

**Answer: D**



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**23.** Cationic detergents are mostly acetates of chlorides of

A. primary amine

B. tertiary amines

C. quaternary amines

D. secondary amines

**Answer: C**



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**24.** Non-ionic detergent can be prepared by reaction of \_\_\_\_\_ with ethylene oxide

A. aldehydes

B. ketones

C. carboxylic

D. alcohols

**Answer: D**



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**Follow Up Test 2**

1. Which of the following antacids treats only the symptoms but not the cause?

A. Cimetidine

B. Ranitidine

C. Zantac

D. Magnesium hydroxide

**Answer: D**



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**Follow Up Test 3**

1. Which of the following artificial sweetener is the ester of a dipeptide?

A. Aspartame

B. Saccharin

C. Suralose

D. Alitame

**Answer: A**



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## Question Bank Level I

1. Which of the following drugs reduce fever?

A. Tranquilizer

B. Antibiotic

C. Antipyretic

D. Analgesic

**Answer: C**



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## Question Bank Level II

1. Which of the following interactions bind the substrate molecules to the amino acid residues of the protein present on the active site of the enzyme?

- (i) Hydrogen bonding
- (ii) ionic, bonding
- (iii) Dipole, dipole interaction
- (iv) van der Waals interaction

A. (ii),(iii)

B. (iii),(iv)

C. (i),(ii),(iii)

D. (i),(ii),(iii),(iv)

**Answer: D**



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2. Which of the following is used as an antacid?

A. Lanxoprazole



B. Omeprazole

C. Aluminium hydroxide gel

D. All of these

**Answer: D**



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**3. Which of the following is used as an antiulcer drug?**

A. Pamaquine

B. Pethidine

C. Renitidine

D. Sulphadizine

**Answer: C**



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**4.** Which of the following does not act as a hypotic and sedative?

A. Veronal

B. *LSD*

C. Luminal

D. Nembutal

**Answer: B**



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5. The compound is used as



A. an antacid

B. an antiseptic

C. a hypnotic

D. an analgesic

**Answer: D**



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6. Which of the following antibiotics is ineffective in treatment of pneumonia, and bronchitis?

A. Choramphenicol

B. Penicillin

C. Amoxycillin

D. Chloromycetin

**Answer: D**



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7. The active chemical present in Iodex which gives relief from pain in sciatica and rheumatism is

A. phenyl salicylate

B. methyl salicylate

C. ethyl salicylate

D. salicylic acid

**Answer: D**



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**8. Which of the following compounds is not an antacid?**

A. Cimetidine

B. Phenelzine

C. Ranitidine

D. Aluminium hydroxide

**Answer: B**



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**9. Tincture of iodine is**

A. aqueous solution of  $I_2$

B. solution of  $I_2$  in aqueous  $KI$

C. alcoholic solution of  $I_2$

D. aqueous solution of  $KI$

**Answer: C**



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**10.** Most commonly used tranquillizers are derivatives of

A. barbituric acid



B. hippuric acid

C. sorbic acid

D. salicylic acid

**Answer: A**



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**11.** Detergents are known to pollute rivers and waterways. However, detergents can be made biodegradable and pollution free by taking

- A. benzenoid hydrocarbons
- B. hydrocarbon with more branching
- C. unbranched with more branching
- D. shorter hydrocarbon chain

**Answer: C**



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**12.** Which of the following sweeteners has the lowest sweetness value

A. Alitame

B. Sucrolose

C. Sacchrin

D. Aspartame

**Answer: D**



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**Question Bank Level Iii**

1. Which of the following functional groups of the amino acid residue L - serine of the protein present on the active site of enzyme attacks the substance molecule to carry out the chemical reaction?



**Answer: C**



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2. Heroin is a derivative of morphine.

Chemically, it is

A. morphine monoacetate

B. morphine diacetate

C. morphine triacetate

D. morphine tetracetate

**Answer: B**



3. The role of phosphate in detergent powder

is to

A. provide whiteness to the fabric

B. remove  $Ca^{2+}$  and  $Mg^{2+}$  ions from the

water that cause the hardness of water

C. Control pH level of the detergent water

mixture.

D. form solid detergent as phosphate less  
detergent are liquid in nature.

**Answer: C**



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4. Which among the following is not an antibiotic?

A. Oxytocin

B. Penicillin

C. Ofloxacin

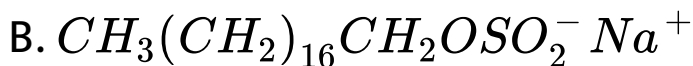
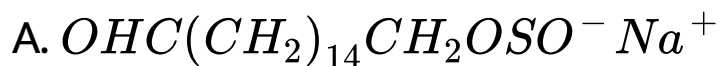
D. Teracycline

**Answer: A**

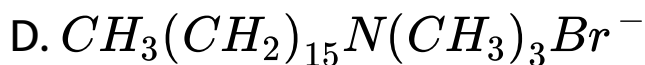
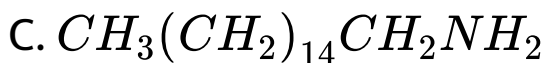


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5. Which one of the following is not a surfactant?







**Answer: C**



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## Question Bank Level Iv

1. The total of lone-pairs of electrons in sulphanil amide is

A. two

B. zero

C. three

D. four

**Answer: A**



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2. Which of the following can disperse benzene in water

A. 

B. 

C. 

D. 

**Answer: D**



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**3. The oxidant which is used as an antiseptic is**

A.  $KNO_3$

B.  $KNO_3$

C.  $KMnO_4$

D.  $CrO_3$

**Answer: C**



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**4. Antiseptic Chloroxylenol is**

A. 4 - chloro - 2,5 - dimethylphenol

B. 3 - chloro - 4,5 - dimethylphenol

C. 4 - chloro - 3,5 - dimethylphenol

D. 5 - chloro - 3,4 - dimethylphenol

**Answer: C**



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5. The structure given below is known as



A. Penicillin F

B. Penicillin G

C. Penicillin K

D. Ampicillin

**Answer: B**



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**6. Which of the following is not true?**

A. Tetrazine is a harmful edible colour

B. Pheromones provide chemical means of  
establishing communication

C. *BHT* is an antioxidant

D. Pheromones are secreted inside the  
body of insect

**Answer: D**



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7. Which of the following is an analgesic?

A. Chloromycetin

B. Novalgin

C. Penicillin

D. Streptomycin

**Answer: B**



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**Archives**

1. Bithional is generally added to the soaps as an additive to function as a / an



A. Antiseptic

B. Softener

C. Dryer

D. Buffering agent

**Answer: A**



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2. Artificial sweetener which is stable under cold conditions only is

A. Saccharine

B. Sucrolose

C. Aspartame

D. Alitame

**Answer: C**



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**3.** Antiseptics and disinfectants either kill or prevent growth of microorganism. Identify

which of the following statements is not true

:

A. Chlorine and iodine are used as strong disinfectants

B. Dilute solutions of boric acid and hydrogen peroxide are strong antiseptics

C. Disinfectants harm the living tissues

D. A 0.2% solution of phenol is an antiseptic while 1% solution acts as a

disinfectant

**Answer: B**



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**4. Chloramphenicol is an**

A. Antibiotic - broad spectrum

B. antifertility drug

C. antihistamine

D. antiseptic and disinfectant

**Answer: A**



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5. Which one of the following is employed as antihistamine ?

- A. Omeprazole
- B. Chloramphenicol
- C. Diphenhydramine
- D. Norfloxacin

**Answer: C**



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**6. Which one of the following is employed as a tranquilizer drug ?**

A. Mifepristone

B. Promethazine

C. Valium

D. Naproxen

**Answer: C**



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7. Which one of the following is employed as a tranquilizer ?

A. Neproxen

B. Tetracycline

C. Chlorpheninamine

D. Equanil

**Answer: D**



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**8. Aspirin is an acetylation product of**

- A. o-hydroxybenzoic acid
- B. o-hydroxybenzene
- C. m-hydroxybenzoic acid
- D. p-hydroxybenzoic acid

**Answer: A**





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9. Which of the following can possibly be used as analgesic without causing addiction and mood modification?

A. Morphine

B. Diazepam

C. Tetrahydrocannabinol

D. N-acetyl-para-aminophenol

**Answer: D**



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10. Commonly used Dettol' is mixture of

A. o-Chlorophenoxylenol + terpineol

B. o-Cresol + terpineol

C. phenol + terpineol

D. chloroxylenol + terpineol

**Answer: D**



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**11.** Which of the following proteins destroy the antigen when it enters in body cell?

A. Antibiotic

B. Insulin

C. Chromoprotein

D. Phosphorprotein

**Answer: A**



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