



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VII) (CBSGS) Pharmaceutical Chemistry III

**1. One of these is a HDAC inhibitor.**

- a. Vorinostat
- b. Epalristat
- c. Imatinib
- d. Oxaliplatin

**2. AZT, an antiviral agent is a**

- a. Protease inhibitor
- b. Nonnucleoside RT inhibitor
- c. Nucleoside RT inhibitor
- d. Entry inhibitor

**3. The sugar present in digitalis glycosides is**

- a. Sucrose
- b. Glucose
- c. Digitoxose
- d. Galactose

**4. The active metabolite of verapamil is a product of**

- a. O-dealkylation
- b. C-dealkylation
- c. N-dealkylation
- d. Reduction

**5. The epimer of Quinidine has the following activity**

- a. Anti-diabetic
- b. Anti-malarial
- c. Analgesic
- d. Antihypertensive

**6. N-(5-Sulfamoyl-1,3,4-thiadiazol-2-yl) acetamide is the IUPAC name of**

- a. Furosemide
- b. Acetazolamide
- c. Methazolamide
- d. Thiazoleamide

**7. Enalapril and captopril are**

- a. ACE inhibitors
- b. Prodrugs
- c. Used in diarrhoea
- d. Used as a prodrug



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

**8. The Phase -2 metabolite of one of these drugs is active**

- a. Esmolol
- b. Prazocin
- c. Minoxidil
- d. Timolol

**9. Which of following is anthranilic acid derivative?**

- (a) Furosemide
- (b) Bumetanide
- (c) Ethacrynic acid
- (d) None

**10. Aspirin is chemically**

- a. A reverse ester of salicylic acid
- b. An amide of salicylic acid
- c. An ester of salicylic acid
- d. An imide of salicylic acid

**11. The structure of 5-Fluorouracil, an anticancer agent has**

- a. Purine nucleus
- b. Pyrimidine nucleus
- c. Pyridine nucleus
- d. Pyrrole nucleus

**12. The active metabolite of ganciclovir is**

- a. Penciclovir
- b. Famcyclovir
- c. Ganciclovir triphosphate
- d. Pencyclovir

**13. Nifedipine belongs to the following class**

- a. Organic nitrate
- b. Barbiturate
- c. 1,4-dihydrpyridine
- d. benzodiazepine

**14. Propranolol has a**

- a. Benzene ring in its structure
- b. Naphthalene ring in its structure
- c. Oxazole ring in its structure
- d. Oyrrole in its structure

**15. Furosemide is a**

- a. Carbonic anhydrase inhibitor



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- b. Loop diuretic
- c. Osmotic diuretic
- d. Xanthine oxidase inhibitor

### 16. Sartans class of drugs are

- a. ACE inhibitors
- b. Angiotensin II receptor blockers
- c. Calcium channel blockers
- d. Potassium ion channel blocker

### 17. Rosuvastatin inhibits the enzyme

- a. Catalase
- b. Aldehyde dehydrogenase
- c. HMG-CoA reductase
- d. Azoreductase

### 18. Tolbutamide is

- a. A first generation hypoglycemic agent
- b. Is a sulfonyl urea
- c. Is a second generation hypoglycemic agent
- d. Is a third generation hypoglycemic agent

### 19. Benzocaine is a local anaesthetic belonging to the following chemical class

- a. Amino amide
- b. Amino alcohol
- c. Amino ester
- d. Amino ketone

### 20. Rabeprazole is a

- a. H1 receptor antagonist
- b. H2 receptor antagonist
- c. Proton pump inhibitor
- d. H1 and H2 receptor agonist

## Answer key

1 (a) 2 (c) 3 (c) 4 (c) 5 (b) 6 (b) 7 (a) 8 (c) 9 (a) 10 (a) 11 (b) 12 (c) 13 (c)

14 (b) 15 (b) 16 (b) 17 (c) 18 (a) 19 (c) 20 (c)



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VII) (CBSGS) Pharmacognosy and Phytochemistry-II

- Borntrager's test is performed for identification of \_\_\_\_\_**
  - Digitoxin
  - Reserpine
  - Digoxin
  - Sennoside
- Precursor for the biosynthesis of tropane alkaloid is \_\_\_\_\_**
  - Leucine
  - Lysine
  - Ornithine
  - Tyrosine
- Which test is used to distinguish different types of Aloes?**
  - Keller- Killiani test
  - Mayer's test
  - Nitric acid test
  - None of the above
- The hydrolysis products of amygdalin is**
  - HCN + benzaldehyde + gentiobiose
  - HCl + benzaldehyde + glucose
  - HCN + benzaldehyde + glucose
  - HCN + benzoic acid + glucose
- One of the following is an example of quinazoline alkaloid**
  - Vincristine
  - Reserpine
  - Quinine
  - Vasicine
- Drug is used as emetic**
  - Agar
  - Ipecas
  - Harde
  - Castor seed



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

7. **The synonym for 'Sesame oil'**
  - a Hydrocarbons oil
  - b Maize oil
  - c Margosa oil
  - d Gingally oil
8. **Which of the following oil is used as vehicle of oily injectables?**
  - a Arachis oil
  - b Linseed oil
  - c Castor oil
  - d Jojoba oil
9. **Condensed tannins are called as:**
  - a Hydrolysable tannins
  - b Pseudotannins
  - c Non hydrolysable
  - d Prototannins
10. **Biological source of Arjuna**
  - a *Terminalia arjuna*
  - b *Terminalia chebula*
  - c *Terminalia tomentosa*
  - d *Terminalia bellerica*
11. **The drug used as nerve tonic :**
  - a Momordica
  - b Ginseng
  - c Senega
  - d Hydrocotyle
12. **An anti-diabetic drug obtained from fruit is**
  - a Clove
  - b Cardamom
  - c Momordica
  - d Fennel



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

13. **Borntrager test is used for one of the following drugs**
  - a Senna
  - b Digitalis
  - c Kurchi
  - d Stropanthus
14. **Alkaloid present in Black pepper is**
  - a Caryophyllene
  - b Cinnamaldehyde
  - c 1-phellandrene
  - d Piperine
15. **Ergot is the.....of the fungus Claviceps purpurea**
  - a Vegetative form
  - b Dried sclerotium
  - c Ascospore
  - d Conidiospore
16. **One of the following phytoconstituent is responsible for insecticidal property**
  - a Azadirachtin
  - b Narcotine
  - c Atropine
  - d Conessine
17. **The alkaloids of deadly nightshade be identified by**
  - a The Marquis test
  - b The Thalleioquin test
  - c The Grahe test
  - d The Vitali test
18. **Except One of the following drug is used as immunomodulator**
  - a Ashwagandha
  - b Tinospora
  - c Vinca
  - d Ginseng



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

19. Biological source of Garlic is:
- Allium sativum*
  - Thymus vulgaris*
  - Allium cepa*
  - Santalum album*
20. Alkaloids are naturally occurring compounds contain \_\_\_\_ in their molecules.
- One or more N atom(s)
  - One or more N atom(s) originated from amino acids
  - Condensed product of glycone and aglycone
  - One C15 side chain on the benzene ring

### Answer key

1 (d) 2 (c) 3 (c) 4 (c) 5 (d) 6 (b) 7 (d) 8 (a) 9 (c) 10 (a) 11 (d) 12 (c) 13 (a)

14 (d) 15 (b) 16 (a) 17 (d) 18 (c) 19 (a) 20 (b)



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VIII) (CBSGS) Pharmaceutical Chemistry IV

1. Which of the following contains sulphonamide group in its structure

- (a) phenoxybenzamine,
- (b) prazosin
- (c) Sotalol
- (d) clonidine

2. Guanabenz is classified as a

- (a) Dual  $\alpha$  and  $\beta$  agonist
- (b)  $\alpha_2$  selective agonist
- (c) Nonselective  $\beta$ -agonist
- (d) Selective  $\beta_2$  agonist

3. One of the following is a Non Selective  $\alpha$  agonist: \_\_\_\_\_

- (a) Methoxamine
- (b) phentolamine
- (c) Xylometazoline
- (d) None

4. Which of following is Reversible Cholinesterase inhibitor

- a) echothiophate,
- b) malathion,
- c) parathion
- d) physostigmine

5. Which of following chemical class procyclidine belongs to ?

- (a) Amino alcohol derivatives
- (b) Amino alcohol ether derivatives
- (c) Amino alcohol ester derivatives
- (d) None





Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

6. Secobarbital is classified as a

- (a) Short-acting barbiturate
- (b) Long acting-barbiturate
- (c) Intermediate acting barbiturate
- (d) Ultra-short-acting barbiturate

7. Which of the following contains Fused triazole ring?

- (a) Oxazepam
- (b) Alprazolam
- (c) Diazepam
- (d) All

8. Dibenzdiazepine derivative belonging to Atypical antipsychotic class is

- a) Clozapine
- b) Chlorpromazine
- c) Thioridazine
- d) Triflupromazine

9. The mechanism of Vigabatrine is

- a) Inhibition of GABA transaminase
- b) Stimulation of GABA transaminase
- c) Inhibition of GABA reuptake.
- d) Stimulation of GABA reuptake

10. Droperidol which following basic rings

- a) Piperidine
- b) Pyridine
- c) 1,2,5-Thiadiazole
- d) 1,2-Thiazole

11. Anticonvulsant drug without central nervous system depression is

- (a) ethotoin
- (b) mephobarbital,
- (c) phenytoin,
- (d) mephenytoin

12. IUPAC name of Meproamate is



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- (a) 2-methyl-2-ethyl-1,3-propanediol dicarbamate
- (b) 2-methyl-2-propyl-1,3-propanediol dicarbamate
- (c) 2-methyl-2-propyl-1,3-butanediol dicarbamate
- (d) 2-methyl-2-butyl-1,3-propanediol dicarbamate

### 13. Narcotic Antagonist with N-allyl group is

- a) Meperidine
- b) Methadone
- c) Nalorphine
- d) Levorphanol

### 14. Sulfide metabolites of one of the following is active

- (a) Ketoprofen
- (b) Naproxen
- (c) Pyroxicam
- (d) Sulinadac

### 15. Ibuprofen contains \_\_\_\_\_

- (a)  $\alpha$ -methyl group on acetic acid moiety
- (b)  $\beta$ -methyl group on acetic acid moiety
- (c)  $\alpha$ -methyl group on propionic acid moiety
- (d)  $\beta$ -methyl group on propionic acid moiety.

### 16. Paracetamol undergoes metabolism by

- (a) N-hydroxylation
- (b) Deamination
- (c) O-dealkylation
- (d) Oxidative deamination

### 17. Which of the following progesterone derivative is used in treatment of infertility

- a) norethindrone,
- b) norgestrel,
- c) diethylstilbestrol
- d) clomiphene

### 18. 4-Pregnene-17 $\alpha$ , 21-diol-3,11, 20-trione is chemical name of

- a) Cortisone
- b) Hydrocortisone
- c) Prednisone



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

d) Prednisolone

**19. Which of the following is a prodrug with imidazole-2-thione structure**

- a) levothyroxine,
- b) methimazole,
- c) carbimazole
- d) None of the above

**20. Which of the following is a hormone derivative**

- a) Teriparatide
- b) Alendronate
- c) Raloxiphene
- d) propylthiouracil

### Answer key

1. (c) 2. (b) 3. (c) 4. (d) 5. (a) 6. (a) 7. (b) 8. (a) 9. (a) 10.  
(a) 11. (a) 12. (a) 13. (c) 14. (d) 15. (a) 16. (b) 17. (d) 18. (a)  
19. (c) 20. (a)



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VIII) (CBSGS) Pharmacognosy and Phytochemistry-III

- 1. Cardamom belongs to family**
  - a Liliaceae
  - b Loganiaceae
  - c Apocyanaceae
  - d Zingiberaceae
- 2. Biological source for Nutmeg**
  - a *Coriandrum sativum*
  - b *Foeniculum vulgare*
  - c *Myristica fragrans*
  - d *Elettaria cardamom*
- 3. The chief active constituent of fennel**
  - a Carvone
  - b Dill-Apiole
  - c Fenchone
  - d Borneol
- 4. Which of the following tests will be positive for deoxy sugars?**
  - a Vitali Morin test
  - b Keller- kiliane test
  - c Kedde test
  - d Baljet test
- 5. Saponin containing drugs are used as \_\_\_\_\_**
  - a Laxative
  - b Bitter tonic
  - c Emetic
  - d None of the above
- 6. Liquorice belongs to family**
  - a Liliaceae
  - b Triterpenoid
  - c Leguminosae
  - d Loganaceae



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

7. **Dioscoria is used in the treatment of**
  - a Ulcer
  - b Cancer
  - c Kidney stone
  - d Rheumatic arthritis
8. **What are known as balsams?**
  - a A mixture of volatile oils with nitrogenous compound
  - b Polysaccharide mixed with volatile oil
  - c Resins dissolved in volatile oil
  - d Juice evaporated to dryness
9. **Myrrh contains important acid**
  - a Comiphoric acid
  - b Abietic acid
  - c Benzoic acid
  - d Acetic acid
10. **Ferulic acid when treated with hydrochloric acid gives**
  - a Acetic acid
  - b Cinnamic acid
  - c Umbellic acid
  - d Vanillic acid
11. **Which of the following drugs does not contain flavonoid**
  - a Orange peel
  - b Buckwheat
  - c garcinia
  - d Linseed
12. **Select the photosensitizing crude drug**
  - a *Bacopa monnieri*
  - b *Psoralea corylifolia*
  - c *Citrus aurantium*
  - d *Datura stramonium*



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

13. **The coloring agent present in Henna is**
  - a Saffron
  - b Lawsone
  - c Betalain
  - d Capsanthin
14. **Stevia is used as**
  - a Binder
  - b Bitter
  - c Sweetner
  - d Disintegrant
15. **Panchakarma in Ayurveda is adopted for**
  - a Cleaning of the body
  - b Smoothing of the body
  - c Warming of the body
  - d None of the above
16. ***Boerhavia diffusa* is the biological name of**
  - a Chirata
  - b Punarnava
  - c Kalmegh
  - d Shankpusphi
17. **In WHO guidelines for the herbal drugs contaminants include**
  - a Purines & pyrimidine bases
  - b Amino acids
  - c Pentose
  - d Pesticidal residues, arsenic heavy metals, microbial load
18. **Tridoshas according to Siddha medicine**
  - a Vatham
  - b Pitham
  - c Karpam
  - d All of the above
19. **The biological name of gentian is**
  - a *Gentiana lutea*
  - b *Gentiana officinalis*
  - c *Gentiana diffusa*
  - d None of the above
20. **Lycopene is a type of**
  - a Glycoside
  - b Phenolic acid
  - c Carotenoid
  - d Monoterpenoid



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## **Practice Questions of backlog examination - 20 Questions (2M each)**

Select correct answer for the following Multiple Choice Questions.

### **Answer key**

1 (d) 2 (c) 3 (c) 4 (b) 5 (d) 6 (c) 7 (d) 8 (c) 9 (a) 10 (c) 11 (d) 12 (b) 13 (b)

14 (c) 15 (a) 16 (b) 17 (d) 18 (d) 19 (a) 20 (c)



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VII) (Choice Based) Pharmaceutical Medicinal Chemistry II

- 1. An example of a non-dihydropyridine calcium channel blocker is**
  - Nifedipine
  - Amlodipine
  - Verapamil
  - Nicardipine
- 2. The diuretic Spironolactone is a**
  - Aldosterone antagonist
  - Direct sodium channel blocker
  - Nonsteroidal molecule
  - Causes potassium loss
- 3. Furosemide inhibits**
  - Carbonic anhydrase
  - Na/K/2Cl cotransporter
  - Na/Cl symporter
  - Ca transporter
- 4. The scaffold ring system in diltiazem is**
  - Benzodiazepine
  - Benzothiazide
  - Benzothiazepine
  - Benzothiadiazine
- 5. The active metabolites of ethacrynic acid are**
  - Ethacrynic acid glutathione
  - Ethacrynic acid methionine
  - Ethacrynic acid glucuronide
  - Ethacrynic acid hydrochloride
- 6. The chemical scaffold in thiazide diuretics is**
  - Benzodiazepine 1,1-dioxide
  - Benzothiazide 1,1-dioxide
  - Benzothiazepine 1,1-dioxide
  - Benzothiadiazine 1,1-dioxide
- 7. Thiazide-like diuretics belong to the chemical class of**
  - benzothiadiazines
  - quinolines
  - phthalimidines
  - indanediones
- 8. Acetazolamide is a**
  - Site 1 diuretic
  - Site 2 diuretic
  - Site 3 diuretic
  - Site 4 diuretic
- 9. Indicate the antiarrhythmic class of Amiodarone**
  - I
  - II





Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- c. III
  - d. IV
- 10. Sotalol belongs to the chemical class of**
- a. Aryloxy propanol amines
  - b. Aryl ethanol amines
  - c. Aryloxy butanol amines
  - d. Aryl butanol amines
- 11. The affinity of antiarrhythmic agent lidocaine to the Na channel is**
- a. Enhanced in acidosis
  - b. Lower in acidosis
  - c. Enhanced in alkalosis
  - d. Unaffected by pH
- 12. Class Ia antiarrhythmic agents cause**
- a. Weak blockade of sodium channel
  - b. moderate blockade of sodium channel
  - c. strong blockade of sodium channel
  - d. no blockade of sodium channel
- 13. An example of second generation H1 antihistaminic is**
- a. mepyramine
  - b. pheniramine
  - c. promethazine
  - d. fexofenadine
- 14. Levocetirizine is the**
- a. S-enantiomer of cetirizine
  - b. R-enantiomer of cetirizine
  - c. Racemic form of cetirizine
  - d. Achiral form of cetirizine
- 15. Ranitidine contains the following functional group**
- a. guanidine
  - b. nitroketene
  - c. aminoketone
  - d. primary amine
- 16. Lispro is**
- a. Rapid acting analogue of insulin
  - b. Slow acting analogue of insulin
  - c. Prodrug of lisinopril
  - d. Metabolite of lisinopril
- 17. The thiazole ring is present in the following drugs**
- a. Cimetidine and ranitidine
  - b. Famotidine and nizatidine
  - c. Cimetidine and lafutidine
  - d. Ranitidine and simatidine
- 18. Biguanides act as hypoglycemics by**
- a. Increasing the amount of insulin produced by the pancreas
  - b. Decreasing the amount of insulin produced by the pancreas
  - c. Increasing the sensitivity of target organs to insulin.



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- d. Decreasing the sensitivity of target organs to insulin.
- 19. Second generation sulfonyl ureas have a**
- p-( $\beta$ -arylcarboxyamidoethyl) group
  - m-( $\beta$ -arylcarboxyamidoethyl) group
  - o-( $\beta$ -arylcarboxyamidoethyl) group
  - p-( $\alpha$ -arylcarboxyamidoethyl) group
- 20. Tolbutamide is a**
- Short acting first generation sulfonyl urea
  - Short acting second generation sulfonyl urea
  - Long acting first generation sulfonyl urea
  - Short acting second generation sulfonyl urea

### Answer key

1. (c) 2. (a) 3. (b) 4. (c) 5. (a) 6. (d) 7. (c) 8. (a) 9. (c) 10. (b)  
11.(a) 12. (b) 13. (d) 14. (b) 15. (b) 16. (a) 17. (b) 18. (c) 19. (a) 20. (a)



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VII) (Choice Based) Pharmaceutical Jurisprudence

1. Which indication must be prescribed on the label of ophthalmic ointments?
  - a) Use within 1 month of opening
  - b) It is dangerous to take this preparation except under medical supervision
  - c) Consult to Physician if irritation persist, discontinue the use
  - d) Not for human use
2. The Schedule H on the label denotes
  - a) To be sold by retail on the prescription of registered medical practitioner only
  - b) Biologicals
  - c) Ophthalmic
  - d) Good manufacturing Practices
3. The Central Drug laboratory act is located at
  - a) Calcutta
  - b) Chennai
  - c) Mumbai
  - d) Bhopal
4. Which act controls the Pharmacy education in India?
  - a) Pharmacy Act
  - b) Drugs and cosmetics Act
  - c) Factory act
  - d) IPR
5. What is the minimum education qualification is required to register as a Pharmacist?
  - a) Bachelor of computer science
  - b) Diploma in Pharmacy
  - c) Management of Business Administration
  - d) Bachelor of Pharmacy
6. Who is the Ex-officio member of Central Pharmacy council of India?



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- a) Drug controller of India
  - b) Drug Inspector
  - c) Drug Analyst
  - d) Production In-charge
7. Which of the following committee is formed by Central Government for efficient administration of NDPS Act 1985?
- a) Local Committee
  - b) Narcotic drug and Psychotropic substances Consultative committee
  - c) Authorities and officers
  - d) DTAB Committee
8. Which price is fixed by the Government for scheduled formulations in accordance with the provisions of DPCO order 2013?
- a) Ceiling Price
  - b) MRP
  - c) Discounted price
  - d) Manufacturing cost
9. When was Food safety and standard Act enacted in India?
- a) 2006
  - b) 1955
  - c) 1948
  - d) 1930
10. As D and C act which of the following is spurious drug.
- a) Tablet formulations
  - b) Genetically modified product
  - c) Lacking authenticity, substitution or imitation
  - d) Excipients
11. As per Drug and Cosmetic Act, which of the following is not defined as medicine?
- a) Glucometer
  - b) Paracetamol



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- c) Glimpiride
- d) Coding program

### 12. What is cognizable offence?

- a) Arrest without warrant
- b) Pay fine
- c) Arrest with warrant
- d) No investigation without the orders of the Magistrate.

### 13. Which products are tested at Central Research Institute Kasauli (CDL)?

- a) Vaccines
- b) Tablets
- c) Ointments
- d) Syrups and suspensions

### 14. What is the duty of government analyst?

- a) To test drug and cosmetic samples received
- b) To sell the medicines
- c) To distribute the medicines.
- d) To manufacture the medicines.

### 15. Which of the following is not power/duty of Drug inspector?

- a) Enter and search
- b) Stop and search
- c) Inspect and sample
- d) Market and sell the products

### 16. Which activity is controlled by Schedule Y

- a) Clinical trials
- b) Formulation of medicines
- c) Analysis of drugs
- d) Sell of drugs.

### 17. When was Factory Act implemented in India?

- a) 1947
- b) 1948



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- c) 1949
- d) 1940

### 18. What is objective of factory act

- a) To import and export the drugs
- b) To protect the employee against industrial and occupational hazards
- c) To protect the employer against industrial and occupational hazards
- d) To sell the drugs

### 19. Which act ensures the implementations of ER?

- a) Bombay shop act
- b) NDPS act
- c) Pharmacy act
- d) FASSAI

### 20. Which products can be recalled from the market as per the guidelines issued by FASSAI?

- a) Unsafe drinking water
- b) Unsafe food products
- c) Unsafe labelling
- d) Unsafe packaging

## Answer key

Q.1 (a), Q.2 (a), Q.3 (a), Q.4 (a), Q.5(b), Q.6 (a), Q.7 (b), Q.8 (a), Q.9 (a)

Q. 10 (c), Q.11 (a), Q.12 (a), Q. 13 (a), Q.14(a), Q.15 (c), Q.16 (a), Q. 17 (d),

Q.18 (b) , Q. 19 (c), Q. 20( b)



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Final Year B. Pharm. (Sem-VII) (Choice Based) Pharmacology-III

- 1. Dose-related adverse effect caused by phenytoin is:**
  - a) Physical and psychological dependence
  - b) Exacerbated grand mal epilepsy
  - c) Gingival hyperplasia
  - d) Extrapyrimalidal symptoms
- 2. Which of the following agents is the precursor of dopamine?**
  - a) Bromocriptine
  - b) Levodopa
  - c) Selegiline
  - d) Amantadine
- 3. The main reason for avoiding the combined administration of levodopa and an inhibitor of both forms of monoamine oxidase is:**
  - a) Respiratory depression
  - b) Hypertensive emergency
  - c) Acute psychotic reactions
  - d) Cardiovascular collapse and CNS depression
- 4. Which of the following drugs is most commonly used for causing a noxious reaction to alcohol by blocking its metabolism?**
  - a) Naltrexone
  - b) Disulfiram
  - c) Diazepam
  - d) Morphine
- 5. Which of the following agents is an opioid antagonist?**



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- a) Amphetamine
- b) Naltrexone
- c) Morphine
- d) Disulfiram

### 6. Neuroleptics are used to treat:

- a) Neurosis
- b) Psychosis
- c) Narcolepsy
- d) Parkinsonian disorders

### 7. Indicate the atypical antipsychotic drug:

- a) Haloperidol
- b) Clozapine
- c) Thioridazine
- d) Thiothixene

### 8. Lithium carbonate is useful in the treatment of:

- a) Petit mal seizures
- b) Bipolar disorder
- c) Neurosis
- d) Trigeminal neuralgia

### 9. Indicate the antidepressant, which blocks the reuptake pumps for serotonin and norepinephrine:

- a) Amitriptyline
- b) Fluoxetine
- c) Maprotiline
- d) Phenelzine





Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

**10. Indicate the agents of choice in the treatment of most anxiety states:**

- a) Barbiturates
- b) Benzodiazepines
- c) Lithium salts
- d) Phenothiazines

**11. Neuroleptics are used to treat:**

- a) Neurosis
- b) Psychosis
- c) Narcolepsy
- d) Parkinsonian disorders

**12. Indicate the atypical antipsychotic drug:**

- a) Haloperidol
- b) Clozapine
- c) Thioridazine
- d) Thiothixene

**13. Lithium carbonate is useful in the treatment of:**

- a) Petit mal seizures
- b) Bipolar disorder
- c) Neurosis
- d) Trigeminal neuralgia

**14. Indicate the antidepressant, which blocks the reuptake pumps for serotonin and norepinephrine:**

- a) Amitriptyline
- b) Fluoxetine
- c) Maprotiline



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

d) Phenelzine

**15. Indicate the agents of choice in the treatment of most anxiety states:**

- a) Barbiturates
- b) Benzodiazepines
- c) Lithium salts
- d) Phenothiazines

**16. Indicate the nootropic agent:**

- a) Sydnocarb
- b) Eleuterococci extract
- c) Fluoxetine
- d) Piracetam

**17. The mechanism of methylxanthines action is:**

- a) Inhibition of the enzyme phosphodiesterase
- b) Beta2 -adrenoreceptor stimulation
- c) Inhibition of the production of inflammatory cytokines
- d) Inhibition of M-cholinoreceptors

**18. Indicate a selective inhibitor of monoamine oxidase B:**

- a) Levodopa
- b) Amantadine
- c) Tolcapone
- d) Selegiline

**19. The drug of choice in the treatment of petit mal (absence seizures) is:**



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

- a) Phenytoin
- b) Ethosuximide
- c) Phenobarbital
- d) Carbamazepin

**20. Which of the following barbiturates is an ultra-short-acting drug?**

- a) Secobarbital
- b) Amobarbital
- c) Thiopental
- d) Phenobarbital

### Answer Key

1c, 2b,3b,4c, 5b, 6d, 7b, 8c, 9a, 10b, 11b, 12a, 13b, 14a, 15b, 16d, 17a, 18d, 19b 20c



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

### Third Year B. Pharm. (Sem-VI) (Choice Based)

#### PHARMACEUTICAL ANALYSIS-II

**Q1. "A" in the Beer Lamberts' law equation signifies**

- a) Absorptivity
- b) Absorbance
- c) Molar absorptivity
- d) Molar absorbance

**Q2. Which of the following is not a factor influencing fluorescence intensity:**

- a) Temperature
- b) pH of the medium
- c) Molecular rigidity
- d) Viscosity of the medium

**Q3. The following is not a detector for IR spectrophotometers**

- a) Photodiode arrays
- b) Bolometer
- c) Thermocouples
- d) Golay detector

**Q4. Identify the spectroscopy in which the following terms are used: Stokes frequency, anti Stokes frequency and Rayleigh scattering**

- a) U V spectroscopy
- b) Fluorescence spectroscopy
- c) Raman spectroscopy
- d) I R spectroscopy

**Q5. Which of the following is a reference electrode?**

- a) Silver- silver chloride electrode
- b) Mercury coated indicating electrodes
- c) Gold redox electrodes
- d) Platinum redox electrodes

**Q6.  $n\lambda = 2d\sin \Theta$  is**

- a) Beer Lambert's law where n is absorbance,  $\lambda$  is molar absorbance and  $\Theta$  is pathlength
- b) Bragg's law where n is integer,  $\lambda$  is wavelength of electrons and d is the spacing of crystal planes
- c) Equation of a simple harmonic oscillator
- d) Equation of radioactive decay



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

**Q7. Hollow cathode lamps are sources of light are used in**

- a) Atomic absorption spectroscopy
- b) Atomic emission spectroscopy
- c) Molecular absorption spectroscopy
- d) Molecular emission spectroscopy

**Q8. In differential scanning calorimetry,**

- a) The mass of the sample is measured as temperature changes
- b) The differential temperature between sample and reference is plotted against time or temperature.
- c) The sample undergoes a physical transformation under the influence of heat.

**Q9. Calculate the concentration of a sample which shows an absorbance of 0.54 (Given  $\epsilon = 6.4 \times 10^3 \text{ L Mol}^{-1} \text{ cm}^{-1}$ ) in a cell of pathlength 2cm.**

- a)  $4.22 \times 10^{-5} \text{ M}$
- b) 20 M
- c) 1.8 M
- d) 0.18 M

**Q10. Rejection of results is done using**

- a) Student t test
- b) F test
- c) Two way anova
- d) Q test

**Q11. In Beer Lambert's law, absorbance is inversely proportional to**

- a) Concentration
- b) Wavelength of absorbance
- c) Molar absorptivity
- d) Thickness of medium

**Q12. Singlet and triplet transitions are seen in**

- a) Atomic absorption spectroscopy
- b) IR spectroscopy
- c) Molecular emission spectroscopy
- d) Molecular absorption spectroscopy

**Q13. One of the following is not a type of molecular vibration**

- a) Rocking
- b) Scissoring
- c) Wagging
- d) Quenching



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/5842332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

**Q14. Units of radioactivity are:**

- a) Becquerel
- b) Mol cm/l
- c) Deg Kelvin
- d) Mg

**Q15. pKa of a drug can be determined by the following methods**

- a) U V spectroscopy
- b) Fluorescence spectroscopy
- c) U V spectroscopy and potentiometric titration
- d) Atomic emission spectroscopy

**Q16. A solution of sodium benzoate with a concentration of  $1 \times 10^{-4}$  molar is examined at a wavelength of 224 nm, the absorbance is determined to be 1.30. The cell length is 1cm. what is the molar absorptivity of this absorption band?**

- a) 1300
- b) 13000
- c) 7692
- d) 43000

**Q17. Which of the following is not a method of radiochemical analysis?**

- a) Radioimmunoassay
- b) Isotope dilution method
- c) Kinetic isotope method
- d) Neutron activation analysis

**Q18. Fingerprint region lies in the range of**

- a)  $15\mu\text{m}$  to 1 mm
- b) 12500 to  $4000\text{ cm}^{-1}$
- c)  $800\text{--}2500\text{ cm}^{-1}$
- d)  $4000\text{--}1450\text{ cm}^{-1}$

**Q19. What is the source of radiation in IR spectroscopy?**

- a) Tungsten lamp
- b) Hollow cathode lamp
- c) Xenon arc lamp
- d) Deuterium lamp

**Q20. From the following two sets of replicate analysis on the same sample, determine whether the variance of the method differs significantly from the standard method (Tabulated value for  $v_1=6$  and  $v_2=5$  is 4.95):**



Shri Vile Parle Kelavani Mandal's

**Dr. Bhanuben Nanavati College of Pharmacy**

Gate No.1, SVKM College Campus, 1<sup>st</sup> Floor, V.M. Road, Vile Parle (W), Mumbai - 400 056

☎ 022-6574 7086 / 8726134557/58/42332052 Fax : 022-2613 2905,

Email: dr.bncp@gmail.com



## Practice Questions of backlog examination - 20 Questions (2M each)

Select correct answer for the following Multiple Choice Questions.

New method	127	125	123	130	131	126	129
Standard method	130	128	131	129	127	125	

- a) 2.0
- b) 1.73
- c) 0.578
- d) 6.7

### Answer key

1 (b), 2 (d), 3 (a), 4 (c), 5 (a), 6 (b), 7 (a), 8 (c), 9 (a), 10 (d), 11 (d), 12 (c), 13 (d), 14 (a), 15 (c), 16 (b), 17 (c), 18 (d), 19 (c), 20 (b)