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GPAT Model Paper-2

1. A patient hypersensitive to metronidazole is suffering from pseudomembranous colitis; what would be you suggest for P colitis?
A) Doxycycline
B) Vancomycin
C) Clindamycin
D) Chloramphenicol

2. Determine the correctness or otherwise of the following Assertion [a] and the Reason [r] -
Assertion (a) : Metronidazole is selectively active against aerobic organism
Reason (r) : Only aerobes reduce it to generate the reactive nitro radicals
(A) Both (a) and (r) are true, and (r) is a correct reason for (a)
(B) Both (a) and (r) are true, and (r) is NOT the correct reason for (a)
(C) (a) is true but (r) is false
(D) Both (a) and (r) are false

3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a lactam antibiotic having an oxepenam ring
A) SALBACTUM
B) PENICILLIN
C) CLAVULANIC ACID
D) CEPHALOSPORIN

4.What kind of substances can’t permeate membranes by passive diffusion?
a) Lipid-soluble
b) Non-ionized substances
c) Hydrophobic substances
d) Hydrophilic substances

5. Class 100 area is referred to
A-Manufacturing area
B-Aseptic area
C-Clean room
D-Ware house

6.Which one of the following therapeutic classes has been proved clinically as a first
line therapy for heart failure and has shown decreased hospitalization, improved
symptoms and delayed disease progression?
(A) Cardiac glycosides (B) ACE Inhibitors (ACEIs)
(C) Renin Antagonists (D) Nitrites

7.Which is true for volhard s method of end point determination?
A) Argentometric determination of chlorides
B) Requires acidic solutionto prevent precipitation of metal hydroxides
C) Form ppt of AgSCN
D) All of the above

8.in the preparation of small pox vaccine,the drying process used is
a) freez drying
b) drum drying
c) spray drying
d)vaccum drying

9. -In nail polish, following polymer is used as a film-former

A-Nitrocellulose
B-Polylactic acid
C-Hydroxypropyl methylcellulose
D-Cellulose acetate phthalate

10.Standards for patent and proprietary medicines is covered under \_\_\_\_\_\_\_ schedule.
(a) U (b) V (c) W (d) X

11.Recent amendments in Patent Act 1970 were done in
A) 2002
B) 1999
C) 2005
D) 2009

12.Class 100 area is referred to

A-Manufacturing area
B-Aseptic area
C-Clean room
D-Ware house

13.An o/w emulsion is stabilized with sodium stearate; upon addition of calcium chloride lead to formation of w/o emulsion; the phenomenon is known as
A) Breaking of emulsion
B) Creaming of emulsion
C) Phase inversion
D) Coalescence

14.Select the true statement for partition coefficient
A) Ratio of unionized lipophilic and hydrophilic drug concentration
B) Ratio of ionized lipophilic and hydrophilic drug concentration
C) Ratio of unionized hydrophilic and lipophilic drug concentration
D) Ratio of ionized hydrophilic and lipohilic drug concentration

15.Indicate the HPLC detector that is most sensitive to change in temperature

A-PDA detector
B-Refractive Index detector
C-Electrochemical detector
D-Fluorescence detector

16.A metabolite obtained from Aspergillus terreus that can bind very tightly to HMG CoA reductase enzyme is

A-Fluvastatin
B-Cerivastatin
C-Lovastatin
D-Somatostatin

17.Select the formula to calculate steady state concentration follow I/V infusion model....
A) Css= Infusion rate/Clearance
B) Css= Clearance/ Infusion rate
C) Css= Infusion rate x Clearance
D) Css= Infusion rate + Clearance

18.Fourth generation fluoroquinolone is
A) Ciprofloxacin
B) Sparfloxacin
C) Moxifloxacin
D) Ofloxacin

19.Mohr s method of end point detrmination involves
A) Determination of chlorides with the formation of AgCl
B) Determination of flourides with the formation of AgF
C) Determination of chlorides with the formation of NaCl
D) Determination of halides with the formation of AgCl

20.Which is true for volhard s method of end point determination?
A) Argentometric determination of chlorides
B) Requires acidic solutionto prevent precipitation of metal hydroxides
C) Form ppt of AgSCN
D) All of the above

21.Pharmacokinetics is:
a) The study of biological and therapeutic effects of drugs
b) The study of absorption, distribution, metabolism and excretion of drugs
c) The study of mechanisms of drug action
d) The study of methods of new drug development

22.A test solution used to check completeness of extraction process is

(a) hydrogen sulphide (b) mercuric potassium iodide
(c) silver nitrate (d) mercuric oxide

23.All of the following anticancer drugs are correctly matched with their mechanism of action EXCEPT :
a. Lomustine :Alkylating agent
b. Bleomycin : Antimetabolite
c. Paclitaxel : Antimitotic agent
d. Aminoglutethemide : Steroidogenic inhibitors
e. Melphalan : Alkylating agent

24.Which effect may lead to toxic reactions when a drug is taken continuously or repeatedly?
a) Refractoriness
b) Cumulative effect
c) Tolerance
d) Tachyphylaxis

25.An example of N-glycoside is
A-Adenosine
B-Sinigrin
C-Rhein-8-glucoside
D-Aloin

**E- mail me ans at :** **pharmacorner2011@gmail.com**

**Ans :**

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| --- | --- | --- | --- | --- |
| **1-** | **6-** | **11-** | **16-** | **21-** |
| **2-** | **7-** | **12-** | **17-** | **22-** |
| **3-** | **8-** | **13-** | **18-** | **23-** |
| **4-** | **9-** | **14-** | **19-** | **24-** |
| **5-** | **10-** | **15-** | **20-** | **25-** |