

1. Sudden enlargement of pipe causes.....current
a) Eddies b) Smooth c) Regular d) Viscous
2.is defined as the height of a column of liquid of known density
a) Pressure head b) Top c) Potential energy d) Velocity head
3. Which of the cranial nerve carries sensation from the digestive tract to CNS
a. Oculomotor b) Facial c) **Vagus** d) Glossopharyngeal
4. The oesophagus pierces through an opening in the diaphragm called
a. Fauces b) **Hiatus** c) Glottis d) inguinal canal
5. First Pasteur conducted fermentation experiments in
a. Milk b. Food material **c. Fruit juices** d. Both a and c
6. Vibrio Cholerae was discovered by
a. Koch **b. Metchnikoff** c. Alexander flaming d. Griffin
7. Senega root contains senegin which is a-
a. Saponin glycoside b. Flavonol glycoside c. Aldehyde glycoside d. Steriol glycoside
8. Bitters are used therapeutically as-
a. Anti-malarial **b. Appetizing agent** c. Purgative d. Expectorant
9. Muscular contractions which moves materials through digestive tract
a. Peristalsis b) Deglutition c) Mass movements d) Segmented contractions
10. Which of the following is Active Sunscreen agent acting through Absorption of radiation
a. Homomenthil salicylate b. Isoproyl paraamino benzoic acid
c. salicylic acid darivatives **d. all of the above**
11. Wavelengths of UV radiations are in the range of
a. 200-400 m-1 b. 200-400 micrometer **c. 200-400 nanometer** d. 200-400 A
12. UV radiations which have most erythmogenic effect on body is
a. UV A b. UV B c. UV C d. All UV radiations have equal effects
13. Agents which precipitates the proteins are called as
a. emolients b. humactants **c. astringents** d. allergens
14. All of the following formulations contain astringents as main ingredients except
a. vanishing cream b. skin tonics c. aftershave lotion d. deodorants
15. Which of the following was previously excluded as cosmetics

- a. Face Powder b. Body powder c. Creams **d. Soaps**

16. Following material is used as protectant in face powders

- a. TiO₂** b. CaCO₃ c. Talc d. None of the above

17. Which of the following ingredients is present in face powder but need not be present in body powder

- a. adsorbent b. slip c. perfume **d. color**

18. In the mixing of thymol and menthol the following type of incompatibility occurs :

- (A) Chemical incompatibility (B) Therapeutic incompatibility
(C) **Physical incompatibility** (D) Tolerance incompatibility

19. In the mixing of strychnine hydrochloride and aromatic spirit of ammonia the following type of incompatibility occurs :

- (A) **Chemical incompatibility** (B) Therapeutic incompatibility
(C) Physical incompatibility (D) Tolerance incompatibility

20. Corticosteroids are generally contraindicated in patients having

- (A) Respiratory Disorder (B) **Active Peptic Ulcer**
(C) Both A & B (D) None of these

21. Rx

Atropine sulphate 0.006 g
Phenobarbitone 0.015 g
Aspirin 0..300g

Direction: Take 2 capsules after every six hours.

This is the example of which incompatibility

- (A) Chemical incompatibility (B) **Therapeutic incompatibility**
(C) Physical incompatibility (D) Tolerance incompatibility

22. Rx

Codeine 0.5 g

Direction: One powder to be taken at time

This is the example of which incompatibility

- (A) Chemical incompatibility (B) **Therapeutic incompatibility**
(C) Physical incompatibility (D) Tolerance incompatibility

23. The formula is used for calculating the dose for children in between 4 to 20 years of age is

- a. Young's Formula **b. Dilling's Formula** c. Clark's Formula d. None of these

24. Latin term of four times a day is

- a. **Quater in die** b. Statim c. Recipe d. Pasta

25. When two or more drugs are used in the combination form, their action is increased, this phenomena is called
- a. **Synergism** b. Antagonism c. Idiosyncrasy d. None of these
26. Which of the following strategies will increase the polarity and water solubility of a drug?
- a) Removing polar functional groups b) Adding extra alkyl groups
- c) **Replacing an aromatic ring with a nitrogen containing heterocyclic ring**
- d) Replacing an alkyl group with a larger alkyl group
27. Some drugs containing an ester group are inactive *in vitro*, but are active once the drug has been absorbed *in vivo*. What term is used for such drugs?
- a) postdrugs b) prodrugs c) metabolites **d) prodrugs**
28. Esters are frequently used as prodrugs. Which of the following statements is false?
- a) Ester prodrugs are more easily absorbed from the gut than the parent drug if the parent drug is highly polar.
- b) Esters are more susceptible to hydrolysis if the alcohol moiety has an electron donating group
- c) Esters can be used to mask a polar alcohol, phenol or carboxylic acid group.
- d) It is preferable if the leaving group from ester hydrolysis is a natural chemical such as an amino acid.**
29. Chloramphenicol palmitate prodrug is used for the purpose of
- a. Enhancement of taste** **b. Site specific delivery**
- c. Decrease the metabolism d. Decrease the water solubility
30. Which of the following solvents is the most suitable for determining partition coefficients which have relevance for drug transport across biological membranes
- a) Liquid paraffin b) Butanol c) Heptane **d) Octanol**
31. Which of the following statements is the closest description of Phase I metabolism?
- a) Reactions which add a polar molecule to a functional group already present on a drug or one of its metabolites.
- b) Reactions which occur in the blood supply.
- c) Reactions which add a polar functional group to a drug.**
- d) Reactions which occur in the gut wall.
32. Which of the following enzymes is not involved in catalysing a Phase I metabolic reaction?
- a) flavin-containing monooxygenases b) monoamine oxidases
- c) glucuronyltransferase** d) esterases
33. Which of the following reactions is not a Phase I metabolic transformation?
- a) reduction of ketones **b) conjugation to alcohols**

- c. **interneuron transmission modulation** d. Neuromuscular blockade
47. "Serotonin syndrome" is characteristic drug-drug interaction with patient taking SSRI along with
- a) Tricyclic antidepressants b) Atypical antidepressants
- c) Anticholinergics **d) MAO inhibitors**
48. Tyramine reaction observed in patients with MAO inhibitors is considered to be potent
- a) Drug food interaction** b) Drug-drug interaction
- c) Drug-excipient interaction d) None of these
49. Dopamine regulates Prolactin by
- a. Enhanced release b. **Decreased release** c. Pulsatile release d. None of these
50. Which of the following material has maximum refractive index
- a. TiO₂** b. ZnO c. Talc d. None of the above