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NIPER EXAM- 2003

1) Dose response curve is.....

2) Combined Charle's Law, Boil's Law, GayLuzac's Law is.....

3) which of the following is muscarinic agonist.....

4) which of the following is antagonist.....

5) Zylis system is related to.....

6) which of the following colour is suitable for miqt.....

7) ACE Enzyme inhibitor is.....

8) which of the following is ACE II antagonist.....

9) insulin is secreted by.....

10) which of the following antibody is involved in first line defence.....

11) Value of gas constant is.....

12) which of the following is inactive.....

13) GLC is type of chromatography.....

14) Gray baby syndrom is associated with.....

15) Rancidity of vegetable oil can be eliminated by adding.....

16) which of the following drug used for delirium.....

17) thiopental is inactivated by.....

18) which of the following structure is not aromatic.....

19) All of the following are wrong.....

20) in case of aldoi condensation all of the following is true EXCEPT.....

21) Identify the there form from following.....

22) Identify the configuration in the following structure.....

23) the product obtained from markonikov's rule is.....

24) identify the configuration.....

25) Totipotancy is.....

26) pH of human vagina age 25-30 is.....

27) coefficient of variation bet'n X&Y is 0.81, correlation bet'n them is.....

28) predict the product of the following reacion.....

29) chemically anithol is.....

30) citral is.....

31) in cycloplegia symptom contain.....

32) Anticholine esterase metabelise ACEi by following mechanism.....

Handwritten notes and answers:

- 1) Dose response curve is  $E = \frac{E_{max} \cdot [D]^n}{EC_{50}^n + [D]^n}$
- 2) Combined Charle's Law, Boil's Law, GayLuzac's Law is  $P_1 V_1 = P_2 V_2$ ,  $V_1/T_1 = V_2/T_2$ ,  $P_1 V_1/T_1 = P_2 V_2/T_2$
- 3) which of the following is muscarinic agonist..... Oxycodone, methadone, Buprenorphine
- 4) which of the following is antagonist.....
- 5) Zylis system is related to.....
- 6) which of the following colour is suitable for miqt..... green, blue
- 7) ACE Enzyme inhibitor is..... Lisinopril
- 8) which of the following is ACE II antagonist..... Losartan, Irbesartan
- 9) insulin is secreted by.....  $\beta$ -cell of lang
- 10) which of the following antibody is involved in first line defence..... IGM
- 11) Value of gas constant is.....  $8.314 \text{ J/mol} \cdot \text{K}$
- 12) which of the following is inactive.....
- 13) GLC is type of chromatography..... Gas-Liquid Chromatography
- 14) Gray baby syndrom is associated with..... Chloramphenicol
- 15) Rancidity of vegetable oil can be eliminated by adding..... antioxidant
- 16) which of the following drug used for delirium.....
- 17) thiopental is inactivated by.....
- 18) which of the following structure is not aromatic.....
- 19) All of the following are wrong.....
- 20) in case of aldoi condensation all of the following is true EXCEPT.....
- 21) Identify the there form from following.....
- 22) Identify the configuration in the following structure.....
- 23) the product obtained from markonikov's rule is.....
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- 25) Totipotancy is.....
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- 28) predict the product of the following reacion.....
- 29) chemically anithol is.....
- 30) citral is.....
- 31) in cycloplegia symptom contain.....
- 32) Anticholine esterase metabelise ACEi by following mechanism.....

alcohol condensation  
{ Markonikov's  
{ Anti Markonikov

pH of all

vol oil constant

hydrolysis of esters

37) in a strand of DNA nucleotides are bonded by..... phosphodiester bond

38) the building block of DNA is... nucleotide

39) Gamma interferon is secreted by..... cell T L-lymphocyte

40) drying temp. for roots & barks is..... upto 70°C

41) technique used for targeted dilivary to liver..... Liposomes

42) one of the following is function of Trichome....

43) By which techenique will you separate SO2 & HCL.....

44) "CELL GROWTH" is ratio of..... g : 1/n

45) Ichemia is.....

45) suspension for injectable form should have following quality..... sterile, isotonic, pH 7-8

46) binding agents used in the hydrophobic system is....

47) treated sodalime glass is used for parenteral having PH..... between 7-8

48) Indicator used for heat sterlization is .....

49) bio- adesive buccal TAB used for controlled dilivary up to..... Hrs.

50) prodrug is.....

51) vanishing cream is..... o/w

52) Law for osmotic pressure is explained by..... van't Hoff's law

53) naming involved in stereochemistry is given by.....

54) talomycetin act by.....

55) acid resistant glucose is.....

56) which of the following is favor causing microorganism.....

57) colchine act by..... anticholinergic

58) starting product of synthesis is .....

59) same

60) pyrogens can be irradiated by following..... 210° - 370h, 650 - 1 sec

61) Antagonist is.... (defination)

62) Which of the following is acid resistance glycoside..... C-glycoside

63) Which of the following is not terpenoid.....

64) current investitunt on CDRP is .....million \$

65) fractional distillation method is used for separation of..... azeotropic

66) suppositories evaluated for..... 37°C - cellophane tube

67) Which of the following drug produce "gingual hyperplasia" phenytoin

68) HLB range for Tween-80 is..... 15

Diagram showing HLB range for Tween-80: 20 (L), 40 (P), 60 (S), 80 (S) with 15 in a circle. Other notes include up to 60°C, ↑ HLB → Pol, and 5 part 80 →

frequency for homoannular compound is... 253

Which of the following produce more amount of ATP...

Beside OAA which is the another substrate for TCA cycle...

Acetyl CoA

→ TCA & other cycle with ATP & substrates  
→ physiochemical tests

Family of gule..... Myo → A. tuberosa

Which of the following is reductone.....

Reserpine react with... to give red ppt.

Which of the following crosses the blood brain barrier... SLD/CD

The "allium sativum" is from family... Alliaceae (Liliaceae)

Family of kulmehg is... A. tuberosa

Characteristic of Base peak is...

Hydrogen bonding can be estimated by... spectroscopy. NMR IR

SLOW-K is associated with.....

delirium can be cured by.... Disinfection

The bond angle of SP-hybridization of carbon is... 180°

→ SP, SP<sup>3</sup>, SP<sup>2</sup>

Which vitamin co administrated with "isonizid".

Pyridoxine B6

Enthalphy is... Heat content

→ Enthalphy, Entropy

IR-radiation associated with change in... Vibration, rotation

→ electrophoresis

Mass electrode is permiable to... H<sup>+</sup>

Solvent used in supercritical fluid extraction is... CO<sub>2</sub>, N<sub>2</sub> (chloroform, petroleum)

→ Enzyme + function in DNA replication & biotech.

Electrophoresis is... Process.

X-ray crystallography used for determining... of protein.

→ Resurrection, DNA repair

Function of enzyme (topoisomerase) is... to inhibit supercoiling

→ various type of crystal lattices

In HAT medium aminopterin inhibit... de novo synthesis

Electromobility is....

Uric acid can be detected by... Meurine acid → Meuric acid

Tridimensional

ChE Inhibitor is used in... types of glaucoma.

Acute congestive (heart failure)

Moisture content can be detected by... K.F. apparatus

Normal

Flowability of powder can be measured by seeing... angle of repose



Yeast habit is... O.C.T. & C.M.P.

Pharmaceuticals contain active component.....

If the s.d. is X then variance is... X<sup>2</sup>

Kolchick & Mithofar - monodan antibodies  
Novel

eric

m

cup