

# Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - --Pharmaceutical Chemistry- I

Course Code - 1.2T

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Answer all the questions. Each question carry one mark.

9. 1.The first edition of I.P. was published in the year of-

*Mark only one oval.*

- 1947
- 1945
- 1955
- 1954

10. 2.pH of blood is-

*Mark only one oval.*

6.8

7.8

4.5

7.4

11. 3.As per I.P., refrigerated temperature is-

*Mark only one oval.*

0°C-4°C

2°C-8°C

0°C-8°C

None of these

12. 4.N<sub>2</sub> gas is used over the product during storage to prevent-

*Mark only one oval.*

Oxidation

Methylation

Reduction

None of these

13. 5. Topically zinc sulphate is used as-

*Mark only one oval.*

- Antacid
- Adsorbents
- Astringent
- Preservative

14. 6. Milk of magnesia is a common name of-

*Mark only one oval.*

- Suspension of Magnesium hydroxide
- Suspension of magnesium carbonate
- Suspension of magnesium oxide
- None of these

15. 7. Which of the following indicator is used during the assay of  $\text{KMnO}_4$ ?

*Mark only one oval.*

- Methyl Orange
- Self-Indicator
- Mucilage of Starch
- None of these

16. 8. Radioactivity is measured by

*Mark only one oval.*

- Ionization chamber
- Scintillation counter
- G.M Counter
- All of these

17. 9. Lead acetate cotton used for the limit test of

*Mark only one oval.*

- Arsenic
- Heavy metals
- Lead
- Iron

18. 10. Thioglycolic acid is used for the limit test of

*Mark only one oval.*

- Lead
- Heavy metal
- Iron
- Sulphur

19. 11.Which one used as a systemic acidifier?

*Mark only one oval.*

- Sodium acetate
- Sodium lactate
- Ammonium Chloride
- Sodium Chloride

20. 12.Which one of these inorganic saltspossesses sedative action?

*Mark only one oval.*

- Sodium citrate
- Potassium bromide
- Calcium phosphate
- None of these

21. 13.Muriatic acid is also known as-

*Mark only one oval.*

- HCl
- H<sub>2</sub>SO<sub>4</sub>
- HNO<sub>3</sub>
- None of these



22. 14.pH range of urine generally lies between-

*Mark only one oval.*

- 4 to 6
- 7 to 10
- 6 to 8
- 4.5 to 8

23. 15.The synonym of  $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$  is-

*Mark only one oval.*

- Blue Vitriol
- Mohr's salt
- White Vitriol
- Green Vitriol

24. 16.Alum contains water of which concentration?

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- 24 moles
- 7 moles
- 12 moles
- 10 moles

25. 17.Example of iodophore

*Mark only one oval.*

- Strong solution of Iodine
- Lugol's solution
- Povidone iodine
- All of these

26. 18.Solubility of boric acid is increased by-

*Mark only one oval.*

- Hot water
- HCl
- Glycerol
- Alcohol

27. 19.Alum is commonly used as-

*Mark only one oval.*

- Anti-infective
- Astringent
- Protectives
- All of these

28. 20.Selenium sulphide is used as-

*Mark only one oval.*

- Astringent
- Antifungal
- Antidandruff
- Antibacterial

29. 21.Which one of the following ingredient is used in the preparation of mouth washes and gargles?

*Mark only one oval.*

- Aluminium sulphate
- Boric acid
- Alum
- Calamine

30. 22.Sodium potassium tartrate is used for-

*Mark only one oval.*

- Astringent
- Protective & adsorbent
- Saline cathertics
- None of these

31. 23.MgO is used as

*Mark only one oval.*

- Protective
- Laxative
- Antacid
- laxative and antacid

32. 24.On heating zinc carbonate gives-

*Mark only one oval.*

- Zinc oxide
- Zinc metal
- Zinc bicarbonate
- None of these

33. 25.Titanium dioxide is mainly used as

*Mark only one oval.*

- Adsorbent
- Protective
- Astringent
- Disinfectant

34. 26.Zinc oxide is used in dusting powder as-

*Mark only one oval.*

- Anti-infective
- Astringent
- Deodorant
- Astringent and topical protectant

35. 27.In the limit test for chloride , standard solution is a

*Mark only one oval.*

- 0.0824%w/v sodium chloride solution
- 5.85%w/v sodium chloride solution
- 1% hydrochloric acid solution
- 1M hydrochloric acid solution

36. 28.Simethicone , used in antacid formulation

*Mark only one oval.*

- oil
- silicone
- alcohol
- none of these

37. 29. Bleaching powder is prepared by action of chlorine on

*Mark only one oval.*

- Calcium carbonate
- Calcium hydroxide
- Calcium oxide
- Calcium chloride

38. 30. Light kaolin differs from heavy kaolin in the following aspects-

*Mark only one oval.*

- Bulk density
- Purity
- Particle size
- All of these

39. 31. Which one of the following is used as a surgical aid?

*Mark only one oval.*

- Barium chloride
- Plaster of Paris
- Calcium phosphate
- None of these

40. 32. Chemically washing soda is

*Mark only one oval.*

- Sodium carbonate
- Sodium sulphite
- Sodium bicarbonate
- Soda lime

41. 33. Purified water is prepared by

*Mark only one oval.*

- Distillation
- Filtration
- Ion exchange resin
- All of these

42. 34. Chemically caustic soda is known as-

*Mark only one oval.*

- NaOH
- KOH
- Na<sub>2</sub>CO<sub>3</sub>
- NaHCO<sub>3</sub>

43. 35. Which one of the following substance is a self-indicator?

*Mark only one oval.*

- KMnO<sub>4</sub>
- Sodium thiosulphate
- Iodine
- Sodium chloride

44. 36. Which of the following is used in radiation sterilization?

*Mark only one oval.*

- $\alpha$ -rays
- $\beta$ -rays
- X-rays
- Gamma rays

45. 37. Xylenol indicator is used in -

*Mark only one oval.*

- Complexometric titration
- Precipitation titration
- Redox titration
- None of these



46. 38. Glycerol is added in the assay of boric acid \_\_\_\_\_

*Mark only one oval.*

- To speed up the reaction with titrant
- To get sharp end point
- To make stronger acid
- None of these

47. 39. Sulphur is used as

*Mark only one oval.*

- Astringent
- Scabicide
- Protective
- All of these

48. 40. In the limit test for sulphate, standard solution is-

*Mark only one oval.*

- Sodium sulphate solution
- 0.01N Sulphuric acid solution
- 0.01M sulphuric acid solution
- 0.181 % W/V Potassium sulphate

49. 41. Standard solution of arsenic contains

*Mark only one oval.*

- Arsenious acid
- Arsine
- Arsenic acid
- Arsenic oxide

50. 42. Sodium dihydrogen phosphate is used as

*Mark only one oval.*

- Astringent
- Source of phosphorus
- Urinary acidifier
- None of these

51. 43. Sodium citrate on strong heating gives

*Mark only one oval.*

- Sodium carbonate
- Sodium bicarbonate
- Sodium oxide
- None of these

52. 44.Milk of magnesia is a common name for

*Mark only one oval.*

- Suspension of magnesium hydroxide
- Suspension of magnesium oxide
- Suspension of magnesium carbonate
- None of these

53. 45.Prepared chalk is

*Mark only one oval.*

- Calcium oxide+ calcium carbonate
- Calcium carbonate + calcium chloride
- Calcium carbonate
- None of these

54. 46.Rochella salt is

*Mark only one oval.*

- Potassium sodium tartrate
- Antimony potassium tartrate
- Antimony sodium tartrate
- None of these

55. 47.Kaolin is

*Mark only one oval.*

- Hydrated aluminium silicate
- Hydrated magnesium silicate
- Hydrated aluminium and silicon oxide
- None of these

56. 48.Which one of the anion is most abundant in human body?

*Mark only one oval.*

- Chloride
- Carbonate
- Bicarbonate
- Citrate

57. 49.Sodium chloride hypertonic injection contain

*Mark only one oval.*

- 0.9%w/v sodium chloride
- 1.6 %w/v sodium chloride
- 2.6%w/v sodium chloride
- 5.0%w/v sodium chloride

58. 50.Hypokalemia occur due to deficiency of

*Mark only one oval.*

- Sodium
- Potassium
- Sodium and potassium
- Magnesium

59. 51.Which one of the following is a major cation in intracellular fluid?

*Mark only one oval.*

- Potassium
- Sodium
- Magnesium
- Calcium

60. 52.Mordant blank is used in the titration of

*Mark only one oval.*

- Calcium lactate
- Sodium acetate
- Ammonium chloride
- None of these

61. 53.Green vitriol is

*Mark only one oval.*

- Copper sulphate
- Magnesium sulphate
- Ferrous sulphate
- Sodium sulphate

62. 54.Ferrous salt with organic acid is preferred, because they are-

*Mark only one oval.*

- Less astringent
- Less irritant
- More potent
- Less astringent and less irritant

63. 55.Potassium iodide is used as-

*Mark only one oval.*

- Diuretics
- Expectorant
- Disinfectant
- None of these

64. 56. An isotonic solution of ammonium chloride contains

*Mark only one oval.*

- 0.8%w/v
- 0.9%w/v
- 1.0%w/v
- None of these

65. 57.  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  is blue in colour due to presence of -

*Mark only one oval.*

- Copper
- Water of hydration
- Moisture
- None of these

66. 58. Zinc sulphate is used as -

*Mark only one oval.*

- Astringent
- Adsorbent
- Preservatives
- Antidote

67. 59.Sodium thiosulphate is \_\_\_\_\_ in nature.

*Mark only one oval.*

- Deliquescent
- Efflorescent
- Hygroscopic
- Deliquescent in moisture but efflorescent in dry air

68. 60.Dry ice is a solid form of -

*Mark only one oval.*

- Carbon-dioxide
- Oxygen
- Helium
- None of these

69. 61.Tests in quality control department perform as per the monograph,called-

*Mark only one oval.*

- Trial and Error method
- Pharmacopoeia
- Domestic Compondiums
- Drug Master file



70. 62. Quality control establish a drug depending upon-

*Mark only one oval.*

- Assay content
- Impurity profile
- validation protocol
- All of these

71. 63. Difference between the experimental mean and a true value is known as-

*Mark only one oval.*

- Variation criteria
- Absolute error
- percentage of error
- specific error

72. 64. Reproducible result of a analysis is called as-

*Mark only one oval.*

- Accuracy
- Robustness
- Precision
- Ruggedness

73. 65.Small differences in the series of measurements made by the same analyst under identical condition is-

*Mark only one oval.*

- relative error
- operative error
- indeterminate error
- chemical error

74. 66.Sodium bicarbonate is used as

*Mark only one oval.*

- Electrolyte replenisher
- Systemic alkaliser
- Antacid
- All of these

75. 67.Washing soda is-

*Mark only one oval.*

- Sodium sulphite
- Sodium carbonate
- Sodium bi carbonate
- Sodalime

76. 68. Borax is used as –

*Mark only one oval.*

- Antifungal
- Anti diarrhoea
- Antibacterial
- None of these

77. 69. Which one of these is a desiccant?

*Mark only one oval.*

- Silicon dioxide
- Calcium oxide
- Sodium hydroxide
- Silicon dioxide and Calcium oxide

78. 70. Which inorganic salt is used as Expectorant?

*Mark only one oval.*

- KI
- KCl
- NaI
- NaNO<sub>2</sub>

79. 71.Sodium lactate is used as-

*Mark only one oval.*

- Sodium supplement
- Electrolyte replimisher
- Astringent
- Expectorant

80. 72.Iodine generally used as-

*Mark only one oval.*

- antibacterial
- antimicrobial and antacid
- anti infective and local germicide
- none of these

81. 73.Ammonium chloride is used as-

*Mark only one oval.*

- Caugh and cold
- Analgesic and Antipyritic
- Expectorant and diuretic
- All of these

82. 74. Radioactive element is produced from-

*Mark only one oval.*

- neutron activation
- gamma radiation
- X-ray
- All of these

83. 75. Barium sulphate is used as-

*Mark only one oval.*

- X-ray detector
- diagnostic acid
- Electrolyte replimisher
- None of these

84. 76. When  $H_2$  and  $O_2$  is combined to form water, about \_\_\_\_\_ calories are evolved per mole of water formed

*Mark only one oval.*

- 59000
- 68000
- 55000
- 58000

85. 77.Which of the following component belongs from the class of Zeolite?

*Mark only one oval.*

- Sodium carbonate
- Calcium carbonate
- Aluminium silicate
- Sodium meta aluminate

86. 78.Water act as a great solvent for wide range of substances. This is due to its

*Mark only one oval.*

- low dielectric constant and polarity
- high dielectric constant
- high nature of polarity
- Both high dielectric constant and polarity

87. 79.calomel(mercurous chloride) acts as a-

*Mark only one oval.*

- saline carthartics
- purgative
- laxative
- antacids

88. 80. Which of the following could be best appropriate pH of an acidic buffer solution?

*Mark only one oval.*

8

7

Less than 7

7 and less than 7

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