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1. Calcitonin is secreted by

- (a) Parathyroid
- (b) Adrenals
- (c) Thymus
- (d) Thyroid

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2. How much temperature should be maintained during moist heat sterilization?

- (a) 151°C
- (b) 91°C
- (c) 121°C
- (d) 181°C

3. Satpura National Park is situated in which State

- (a) Madhya Pradesh
- (b) Andhra Pradesh
- (c) Maharashtra
- (d) Himachal Pradesh

4. "Liquid membrane systems" are also called as

- (a) Aquasomes
- (b) Nanocapsules
- (c) Multiple emulsions
- (d) Virosomes

5. Sigma minus method is used to determine

- (a) Metabolic rate constant
- (b) Absorption rate constant
- (c) Excretion rate constant
- (d) Elimination rate constant

6. "Capsid" is present in

- (a) Fungi
- (b) Virus
- (c) Bacteria
- (d) Protozoa

7. Willingness to strive for the goals of a particular group is termed as

- (a) Halo effect
- (b) Appraisal
- (c) Morale
- (d) Constitution

8. Estimation of serum creatinine is considered to be a more reliable indicator for the evaluation of

- (a) Liver function
- (b) Kidney function
- (c) Lung function
- (d) Gastric function

9. In this question, the relationship between different elements is shown in the statement. This Conclusions:

Statement: $B > R > O > W > N$

i) $B > O$

ii) $W < R$

iii) $B > N$

(a) Only i) and ii) follow

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- (b) None follows
- (c) All follow
- (d) Only ii) and iii) follow

10. Which one of the following is the basic chemical test to identify anthracene glycosides in Aloes?

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- (a) Modified Bontrager test
- (b) Killer Killiani test
- (c) Borntrager test
- (d) Legal test

11. In a certain code language, if APPLE is coded as SDSHO, then how is DOUBT coded in that language?

- (a) RGXWE
- (b) WLFYG
- (c) XFYSH
- (d) GRXEW

12. For the preparation of Cod liver oil emulsion, the ratio of oil: water: gum required is

- (a) 02:02:01
- (b) 04:02:01
- (c) 01:02:01
- (d) 03:02:01

13. The ratio of number of girls to boys in a school of 3600 students is 39:41. How many more girls should be admitted to make the ratio 1:12

- (a) 90
- (b) 110
- (c) 80
- (d) 100

14. By which bond, amino acids are joined together?

- (a) Dipole-Dipole
- (b) Ionic
- (c) Hydrogen
- (d) Attrition

15. "Hammer mill" works on the principle of

- (a) Cutting
- (b) Impact
- (c) Compression
- (d) Attrition

16. Erection of rat tail is observed by, after administration of

- (a) Non-Opioid analgesic drug
- (b) COX-1 inhibitors
- (c) Opioid analgesic drug
- (d) COX-2 inhibitors

17. Sodium bi carbonate is commonly known as

- (a) Caustic soda
- (b) Rochelle salt
- (c) Baking Soda
- (d) Epsom salt

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18. The band of the coloured components of a light beam is called its

- (a) Accommodation



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- (b) Range
- (c) Spectrum
- (d) Form

19. _____ is the synthetic polymer

- (a) Caprolactone
- (b) Gliadin
- (c) Pullulan
- (d) Chitosan

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20. By selling a CPU for Rs.6785, a man makes a profit of 15%. At what price should he sell it to make a profit of 25%? (in Rs.)

- (a) 7275
- (b) 7475
- (c) 7575
- (d) 7375

21. "Brownian motion" is observed if the particle size is reduced to

- (a) 6 microns
- (b) 8 microns
- (c) 2 microns
- (d) 4 microns

22. Heterocyclic compounds are

- (a) Alicyclic compounds
- (b) Cyclic compounds
- (c) Open chain compounds
- (d) Non cyclic compounds

23. Under which Schedule "Good Manufacturing practices of Ayurveda, Siddha and for all Unani drugs" are described?

- (a) Schedule - Z
- (b) Schedule -T
- (c) Schedule-S
- (d) Schedule -M

24. Dehydration of alcohols lead to the formation of

- (a) Alcohol
- (b) Ether
- (c) Ester
- (d) Aldehyde

25. Sound cannot travel in

- (a) Water
- (b) Air
- (c) Vacuum
- (d) Steel

26. The reaction between an acid and a base to give a salt and water is known as a reaction

- (a) Nucleophilic
- (b) Double decomposition
- (c) Combustion
- (d) Neutralization

27. A document or set of documents that serve as a basis for the batch documentation is called as <https://pharmacyindia.co.in>

- (a) Master Formula
- (b) Calibration



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- (c) Master Record
- (d) Consignment

28. Synonym for Indian squill is

- (a) Arrow poison
- (b) Sea Onion
- (c) Liquorice root
- (d) Yam

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29. Buffers are added in the sterile products to maintain -

- (a) Viscosity
- (b) Isotonicity
- (c) Sterility
- (d) pH

30. Chapter - III of Drugs and Cosmetics Act 1940 and Rules 1945 gives information about

- (a) Drugs technical advisory board
- (b) Manufacture, sale and distribution of drugs and cosmetics
- (c) Import of drug and cosmetics
- (d) Provisions relating to Ayurvedic, Siddha and Unani drugs

31. The "CMC section of Investigational new drug application" should be bound in a "CMC

- (a) Black press board binder
- (b) Red polyethylene binder
- (c) Green pressboard binder
- (d) Orange press board binder

32. In HPLC, while supplying mobile phase by mechanical pump, which device is required to smooth out the pulses?

- (a) Injection
- (b) Gauze
- (c) Temperature
- (d) Damping

33. The Chadha Cup is related to which game/sport?

- (a) Cricket
- (b) Badminton
- (c) Football
- (d) Chess

34. B.C.G Vaccine is a bovine strain of B.C.G

- (a) Mycobacterium tuberculosis
- (b) Salmonella typhi
- (c) Hepatitis virus
- (d) Parainfluenza virus

35. Who is known as the 'Iron man of India'?

- (a) Subhas Chandra Bose
- (b) Sardar Vallabhbhai Patel
- (c) Jawaharlal Nehru
- (d) Samudragupta

36. Which among the following is also known as the 'Council of States'?

- (a) Corporation Assembly
- (b) Lok Sabha
- (c) Legislative Assembly
- (d) Rajya Sabha

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37. In Differential Thermal analysis, a record is made of the

- (a) Energy inputs
- (b) Moisture difference
- (c) Temperature difference
- (d) Mass difference

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38. A test which measures the ability of a compound to diminish the concentration of sugar in the blood is

- (a) Hyperglycemic test
- (b) Glucose tolerance test
- (c) Liver function test
- (d) Hypoglycemic test

39. "Spreading coefficient" is a factor to be considered in the preparation of

- (a) Lotions
- (b) Elixirs
- (c) Ointment
- (d) Solutions

40. The Chief Election Commissioner of India is appointed by

- (a) The Prime Minister
- (b) The Chief Justice of India
- (c) The President
- (d) The Vice President

41. Which type of major volatile compound is contained in cinnamon?

- (a) Ketone compound
- (b) Phenolic compound
- (c) Ester compound
- (d) Aldehyde Compound

42. Electro Reducible substances can be determined by

- (a) Amperometry
- (b) Potentiometry
- (c) Calorimetry
- (d) Conductometry

43. Conceptual skill deals with

- (a) People
- (b) Process
- (c) Things
- (d) Ideas

44. "Astrocytes" are present in

- (a) Blood cerebrospinal fluid barrier
- (b) Blood placental barrier
- (c) Blood brain barrier
- (d) Cell membrane barrier

45. What is the full form of CNG, in controlling vehicular air pollution?

- (a) Combined Natural Gas
- (b) Compressed Natural Gas
- (c) Common Natural Gas
- (d) Combined Nitrogen Gas

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46. Who introduced the Mutation theory?

- (a) Camillo Golgi



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- (b) Edward Jenner
- (c) Von Baer
- (d) Hugo de Vries

47. Absorption of IR radiation by molecules cause changes in

- (a) Vibrational energy
- (b) Spin reversal of nuclei
- (c) Rotational energy
- (d) electronic energy

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48. An internal device which can be used to store information is

- (a) Floppy disk
- (b) CD
- (c) USB flash drive
- (d) Hard drive

49. Find the next number in the series. 61, 73, 66, 78, 71, ?

- (a) 93
- (b) 83
- (c) 73
- (d) 77

50. Aspirin should be used with caution in

- (a) Fever
- (b) Asthma
- (c) Headache
- (d) Tachycardia

51. A lady stands on the road facing the East direction. She turns 48 degrees in clockwise direction and 72 degrees in anti-clockwise direction. Which direction is she facing now?

- (a) North-East
- (b) North-West
- (c) South-West
- (d) South-East

52. Lignans are the constituents of

- (a) Pomegranate
- (b) Lycopene
- (c) Soy
- (d) Flax seed

53. Absorption of radiation can be measured by using

- (a) Flame Photometry
- (b) Voltammetry
- (c) Spectrophotometry
- (d) Polarimetry

54. Liquid oral preparations of which one or two large doses of about 50ml are given in a single dose container is known as

- (a) Linctuses
- (b) Tinctures
- (c) Draughts
- (d) Drops

55. Apparent bulk density is expressed in terms of

- (a) ml/g
- (b) %

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(c) g/ml

(d) °C

56. Which one of the following is not radiation obtained from radioactive compounds?

(a) Beta

(b) Epsilon

(c) Gamma

(d) Alpha

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57. Small-pox vaccine is a

(a) Bacterial vaccine

(b) Toxoid

(c) Antiserum

(d) Viral vaccine

58. What compound is present in Ashwagandha?

(a) Steroidal Glycosides

(b) Steroidal lactone

(c) Terpenoid glycoside

(d) Terpenoid alkaloids

59. Antimony Potassium tartrate is commonly known as

(a) Tartar emetic

(b) Epsom salt

(c) Caustic soda

(d) Rochelle salt

60. Commonly used spice clove is obtained from

(a) Flower bud

(b) Rhizome

(c) Root

(d) Leaf

61. Indicate the problem in the dosage form when camphor and menthol are added together

(a) Effervescent

(b) Deliquescent

(c) Hygroscopic

(d) Eutectic

62. A train passes a station platform in 54 seconds and a man standing on the platform in 38 seconds. If the speed of the train is 29 m/s, what is the length of the platform?

(a) 458

(b) 462

(c) 456

(d) 464

63. 1950 boys and 1300 girls are examined in a test; 42% of the boys and 36% of the girls pass the test. The percentage of the total who failed is 150

(a) 62.4

(b) 62.3

(c) 61.4

(d) 60.4

64. Angio-oedema is the adverse drug reactions affecting the

(a) Gastrointestinal tract

(b) Liver

(c) Pancreas

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(d) Skin

65. As per Drugs and Cosmetics Act 1940 and Rules 1945 (Schedule A), Which application form should be used to grant a license for manufacture of ayurvedic and unani drugs?

(a) 24D

(b) 24B

(c) 24A

(d) 24C

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66. Axis is a bone of

(A) Skull

(b) Spinal cord

(c) Leg

(d) Forearm

67. The sum of kinetic and potential energy of an object is its total

(a) Electrical

(b) Chemical

(c) Mechanical

(d) Thermal

68. On dividing a number by 413, we get 58 as remainder. On dividing the same number by 59, what will be the remainder?

(a) 56

(b) 54

(c) 58

(d) 52

69. Enamel is a constituent of

(a) Hair

(b) Teeth

(c) Nail

(d) Bones

70. What is the SI unit of Wavelength?

(a) Hertz

(b) Meter

(c) Decibels

(d) Second

71. The transformation of the larva into an adult through drastic changes is called

(a) Metamorphosis

(b) Menopause

(c) Reverse osmosis

(d) Budding

72. Which one of the following is the statistical procedure to detect the differences existing in-between two or more samples?

(a) Arithmetic mean

(b) Chi square test

(c) Standard error

(d) ANOVA

73. Any undesirable change in the physical, chemical or biological features of air, land and water

(a) Pollutants

(b) Pollution

(c) Ecology

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(d) Ecosystem

74. The ratio by number of atoms for water is H:O =

- (a) 1:2
- (b) 1:4
- (c) 2:1
- (d) 4:1

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75. According to Drugs and Cosmetics Act 1940 and Rules 1945, the insulin preparations should be stored at a temperature

- (a) 9 to 25°C
- (b) Below 1°C
- (c) 2 to 8°C
- (d) Above 25°C

76. "Type - III" of drug master file gives information about

- (a) Drug substances
- (b) Personnel/ Facilities
- (c) Packaging materials
- (d) Excipients

77. Patna city is situated on the bank of the river

- (a) Ganges
- (b) Mahanadi
- (c) Brahmaputra
- (d) Yamuna

78. Drugs which are having high solubility and low permeability are called as

- (a) Class IV drugs
- (b) Class I drugs
- (c) Class III drugs
- (d) Class II drugs

79. The Indian Army constructed the longest suspension bridge called "Maitri across which river?"

- (a) Narmada
- (b) Indus
- (c) Brahmaputra
- (d) Ganges

80. "Lecithin" is an example for

- (a) Phenolic type of Antioxidant
- (b) Quinoline type of Antioxidant
- (c) Organic acids, alcohols and esters
- (d) Amine type of Antioxidant

71. Find the similarity in the following:

Orange, Peach, Olive, Carmine

- (a) All of them are fruits.
- (b) All of them are names of seasons.
- (c) All of them are colours.
- (d) All of them are shades of orange.

72. What does WLAN stand for?

- (a) Wireless Local Area Network
- (b) Wide Local Area Network
- (c) Wind Light Atmospheric Nature
- (d) Wireless Local Area Node

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73. Which is the most abundant combustible natural gas?

- (a) Propane
- (b) Methane
- (c) Ethane
- (d) Butane

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74. Which among the following is the Largest Freshwater Lake in India?

- (a) Dal Lake
- (b) Thol Lake
- (c) Pushkar Lake
- (d) Wular Lake

75. Manu sold a dozen watches for Rs. 1454.64 per watch and made a profit of 16%. Find the cost price of the watches?

- (a) 1254.00
- (b) 1362.36
- (c) 15048.00
- (d) 16348.32

76. The famous camel trading event is a part of this annual fair.

- (a) Udaipur Mela
- (b) Thar Mela
- (c) Kumbh Mela
- (d) Pushkar Mela

87. What is the rate of change of position of an object with respect to a frame of reference, which is a function of time called?

- (a) Mechanics
- (b) Vector
- (c) Velocity
- (d) Magnitude

88. If DELHI is QRYUV, then BOMBAY is

- (a) OBZNOL
- (b) OZBNOL
- (c) OZBONL
- (d) OBZONL

89. Manju takes 16 days to complete a work. If she works with her friend Jenny they complete it in 12 days. How many days will it take for Jenny to complete the work alone?

- (a) 48
- (b) 32
- (c) 36
- (d) 24

90. If the circumference of a circle is 22 cm, find the area of the semicircle.

- (a) 38.5 sq.cm
- (b) 19.25 sq.cm
- (c) 44 sq.cm
- (d) 77 sq.cm

91. Find the interest on Rs. 25000 at 12% p.a compounded annually for 3 years.

- (a) 9,000
- (b) 9,833.40
- (c) 10,123.20
- (d) 10,678.90

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92. The LCM and HCF of 2 numbers are 168 and 6 respectively. If one of the numbers is 24, find the other.

- (a) 36
- (b) 38
- (c) 40
- (d) 42

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93. Seeta said, "Ram's only brother is the father of my son's father". How is Ram's brother related to Seeta's son?

- (a) Father
- (b) Grandfather
- (c) Maternal Uncle
- (d) Paternal Uncle

94. What is a Limerick?

- (a) A Type of Lime Stone
- (b) A form of poetry mostly in five-lines
- (c) A type of Theatre Play
- (d) A type of Word game

95. If Annual: One year, then Quinquennial: _____

- (a) Five years
- (b) Ten years
- (c) Hundred years
- (d) Thousand years

96. Andromeda is a

- (a) Galaxy neighboring the Milky way
- (b) Planet
- (c) Name of a black hole
- (d) Comet

97. Whose quote is "In practice of tolerance, one's enemy is the best teacher"?

- (a) Gautama Buddha
- (b) Mahatma Gandhi
- (c) Barack Obama
- (d) The Dalai Lama

98. What is Shigmo?

- (a) A Goan Spring Festival
- (b) The tallest peak in Nilgiris
- (c) A type of Rangoli
- (d) One of the Names of Lord Shiva

99. What is C_6H_6 ?

- (a) Chloroform
- (b) Hydro Chloric Acid
- (c) Benzene
- (d) toluene

100. What is Oneirology, the study of?

- (a) Gods
- (b) Dreams
- (c) Sleep
- (d) Colour

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|------|------|------|------|------|------|------|------|------|-------|
| 1-d | 2-c | 3-a | 4-c | 5-d | 6-b | 7-c | 8-b | 9-c | 10-a |
| 11-a | 12-b | 13-a | 14-d | 15-b | 16-c | 17-c | 18-c | 19-a | 20-d |
| 21-c | 22-b | 23-b | 24-b | 25-c | 26-d | 27-c | 28-b | 29-d | 30-c |
| 31-c | 32-d | 33-b | 34-a | 35-b | 36-d | 37-c | 38-d | 39-a | 40-c |
| 41-d | 42-a | 43-d | 44-c | 45-b | 46-d | 47-a | 48-d | 49-b | 50-b |
| 51-a | 52-d | 53-c | 54-c | 55-c | 56-b | 57-d | 58-b | 59-a | 60-a |
| 61-d | 62-d | 63-d | 64-d | 65-a | 66-b | 67-c | 68-c | 69-b | 70-b |
| 71-a | 72-d | 73-b | 74-c | 75-b | 76-c | 77-a | 78-c | 79-b | 80-d |
| 81-c | 82-a | 83-b | 84-d | 85-c | 86-d | 87-c | 88-d | 89-a | 90-b |
| 91-c | 92-d | 93-b | 94-b | 95-a | 96-a | 97-d | 98-a | 99-c | 100-b |

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