

Questions and Answer key of the written examination held on 28.02.2016 for the post of Pharmacist in Regional Cancer Centre, Thiruvananthapuram

Directions (Qn. 1 to 60) : Choose the best alternatives.

1. The mineral necessary for the synthesis of DNA and RNA is known as
a. Zinc b. Calcium c. Iron **d. Phosphorus**
2. An increased level of acid phosphatase in blood can be diagnosed as
a. Hepatitis **b. Prostatic Cancer**
c. Myocardial infarction d. Pancreatitis
3. Metabolic disorder caused by deficiency of enzyme tyrosinase is known as
a. Phenyl ketonuria b. Tyrosinosis **c. Albinism** d. Alkaptonuria
4. The presence of Bence Jones protein in urine is diagnostic of the disease
a. Glycosuria b. Thrombocytopenia
c. Multiple myeloma d. Hodgkin's disease
5. An amino acid which is not synthesized in the body is
a. Valine b. Glutamic acid c. Serine d. Arginine
6. Pyridoxine is also known as
a. Vitamin B₂ b. Vitamin B₁ **c. Vitamin B₆** d. Vitamin B₁₂
7. Total number of ATP formed from aerobic oxidation of glucose is
a. 38 b. 30 c. 15 d. 36
8. Causative agent of whooping cough is
a. Corynebacterium b. Mycobacteria
c. Varicella **d. Bordetella**
9. The disease caused by Ducrey's bacillus is
a. Gonorrhoea **b. Chancroid**
c. Syphilis d. Lymphogranuloma
10. Epidemiological triad is
a. Agent, Host, Environment b. Vector, Carrier, Environment
c. Agent, Vector, Environment d. Agent, Carrier, Treatment

11. The phase of 'Pathogenesis' in the natural history of disease starts when
- When signs and symptoms appear
 - When disease agent enters human host**
 - When agent, host, environment interact
 - When disease agent identifies a host
12. Plasma half life of Ig G antibody is
- 6-8 days
 - 5-10 days
 - 23 days**
 - 13 days
13. The neurotoxic venom is from
- Sea snake
 - Pit viper
 - Rusell's viper
 - Cobra**
14. The process of transferring debits and credits from journal to ledger account is known as
- Posting**
 - Transferring
 - Totaling
 - Balancing
15. Methanol poisoning is treated with
- Ethanol**
 - Diazepam
 - Methadone
 - N-acetyl cysteine
16. The pore size of the membrane filter required to remove all bacteria is
- 0.45 micron
 - 0.8 micron
 - 1.2 micron
 - 0.22 micron**
17. Standards for patent or proprietary medicine comes under
- Schedule Y
 - Schedule X
 - Schedule V**
 - Schedule R
18. RNA synthesis on DNA template is known as
- Translation
 - Transcription**
 - Transduction
 - Central dogma
19. The joint between axis and atlas vertebrae in the neck is called
- Hinge joint**
 - Pivot joint
 - Saddle joint
 - Fibrous joint
20. In electrocardiogram (ECG), T wave represents
- SA node activation
 - Auricular contraction
 - Ventricular relaxation**
 - Ventricular contraction
21. Detrusor muscle is present in
- Gall Bladder
 - Renal Pelvis
 - Ureter
 - Urinary Bladder**

33. Dengue is a virus disease transmitted by the bite of the mosquito
a. Tiger mosquito b. Anopheles **c. Aedes aegypti** d. All of these
34. The presence of anthraquinone glycosides in senna leaves can be identified by
a. Keller Killiyani test b. Wagner's test
c. Borntager's test d. Murexide test
35. Liquorice consists of dried roots and stolon of glycyrrhiza glabra of the family
a. Leguminosae b. Rubiaceae c. Solanaceac d. Apocyanaceac
36. The output of size reduction of material in a machine depends on
a. Chemical structure b. Bulk density
c. Material structure **d. Physical character**
37. The working principle of Fluid energy mill is
a. Crushing and shearing **b. Attrition and impact**
c. Compression d. Impact and cutting
38. Antidote for iron poisoning is
a. Flumazenil **b. Deferoxamine** c. Atropine d. Pralidoxime
39. Lithium carbonate is therapeutically used to treat
a. Epilepsy b. Schizophrenia **c. Mania** d. Insomnia
40. Blood products are dried by a process of
a. Freeze drying b. Spray drying
c. Drum drying d. Drying by IR radiation
41. The Compound used as antibacterials is
a. Mercurous chloride **b. Boric acid**
c. Borax d. Talc
42. The compound which is known as Madrell's salt is
a. Sodium Potasium tartarate b. Sodium Thiosulphate
c. Sodium bicarbonate **d. Sodium metaphosphate**
43. Which of the following is an aprotic solvent
a. Hydrocarbon b. Alcohol c. Acetona d. Formic acid

44. Modified Gutzeit's apparatus is used for limit tests for
a. **Arsenic** b. Iron c. Sulphates d. Chlorides
45. Magnesium Sulphate can be assayed by
a. Acid-alkali method b. **Complexometric titration**
c. Precipitation method d. Non-aqueous titration
46. The nucleids of different elements with the same mass numbers with different atomic numbers are called
a. Isotopes b. **Isobars** c. Radioactive d. Isosteres
47. The main active constituents of umbelliferous fruits are
a. Alkaloids b. oleoresin c. **volatile oil** d. oleo-gum resin
48. An example of phenanthrene alkaloid is
a. Cardamom b. Ergot c. **Morphine** d. Cinchona
49. Pyrethrum belongs to the family
a. Umbelliferae b. Euphorbaceae c. Rosaceae d. **Compositae**
50. Latin term used in prescription writing 'prime-m' means
a. Every morning b. In the morning
c. **Early in the morning** d. Every night
51. Spans and tweens are
a. Phospholipids b. Glycosides
c. **Polyoxy alkalene derivatives** d. glycolipids
52. The most suitable preservative for eye drops is
a. **Phenylmercuric acetate** b. Methyl paraben
c. Thiomersal d. Phenol
53. When human RBCs are placed in hypertonic solution produces
a. **Crenulation** b. haemolysis c. No change d. All of the above
54. Gregory's powder can be used as
a. Haematinic b. Antiseptic
c. **Cathartic** d. Astringent

55. Fluid preparation for external use which are applied with a brush or rod
a. Dendrifrius b. Douche c. Elixivs **d. Collodion**
56. Colour of tears changes with the use of
a. Bleomycin b. Tetracycline c. Ferrous Sulphate **d. Rifamycin**
57. The mineralocorticoid that has sodium retaining property is
a. Aldosterone b. Testosterone c. Progesterone d. Insulin
58. Allopurinol can be used in the treatment of
a. Rickets **b. Gout** c. Osteomalacia d. Anticonvulsant
59. Piperazine citrate can be administered in the form of
a. Elixir b. Ointment c. Injection d. Solution
60. Cimetidine, a H₂ receptor antagonist is derivative of
a. Pyrazolidine b. Oxazole **c. Imidazole** d. Pyrazole

Directions (Qn. 61 to 64) : Pickout the nearest correct meaning or synonym of the words given below.

61. HARMONY
a. cemetery b. ceremony **c. symmetry** d. hierarchy
62. ADVICE
a. council **b. counsel** c. practice d. proposal
63. FACULTY
a. privilege b. desire c. branch **d. ability**
64. ANNEX
a. add b. low c. copy d. initial

Directions (Qn. 65 to 67) : Choose the option which contains a pair of words related to each other in the same way as the pair given in capital letters.

65. TORCH: LIBERTY
a. Laws: Courts **b. Scales: Justice**
c. Balance: Equity d. Weights: Measure

66. MONEY: BANK

- a. Fear: Tremble
c. Sound: Music
- b. Arrows: Quiver
d. Coin: Mint

67. KING: CROWN

- a. Priest: Mitre
c. Teacher: Chalk
- b. Soldier: Gun
d. Sculptor: Chisel

Directions (Qn. -68 to 70) : In the given sentences, a part of the sentences is underlined. Beneath each sentences, four different ways of phrasing the underlined part are indicated. Choose the best alternative.

68. We want the teacher to be him who has the best rapport with the students

- a. We want the teacher to be he
c. We desire the teacher to be him
- b. We want him to be the teacher
d. We anticipate the teacher to be him

69. Anyone interested in the use of computer can learn much if you have access to a state-of-the-art microcomputer

- a. if he has access to
c. by access to
- b. if access is available to
d. from access to

70. Today this is a totally different world than we have seen in the last decade.

- a. than what we seen
c. from what we seen
- b. then we have seen
d. from what we have seen

Directions (Qn. 71 and 72) : In each of the following questions, there is a certain relationship between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the correct alternative.

71. Genuine : Authentic :: Mirage: ?

- a. Image
b. Transpiration
c. Reflection
d. Illusion

72. Bread : Yeast :: Curd: ?

- a. Fungi
b. Bacteria
c. Germs
d. Virus

Directions (Qn. 73 and 74) : In each of the following questions, one term in the number series is wrong. Find out the wrong term.

73. 380, 188, 92, 48, 20, 8, 2

- a. 188
b. 92
c. 48
d. 20

74. 56, 72, 90, 110, 132, 150

- a. 72 b. 90 c. 110 d. **150**

Directions (Qn. 75 to 80) : Choose the best alternatives.

75. In a certain code, '256' means 'you are good'; '637' means 'we are bad' and '358' means 'good and bad'. Which of the following represents 'and' in that code ?

- a. 2 b. 5 c. **8** d. 3

76. E is the son of A. D is the son of B. E is married to C. C is B's daughter. How is D related to E?

- a. Brother b. Uncle c. Father-in-law d. **Brother-in-law**

77. Five girls are sitting in a row. Rashi is not adjacent to Sulekha or Abha. Anuradha is not adjacent to Sulekha. Rashi is adjacent to Monika. Monika is at the middle in the row. Then, Anuradha is adjacent to whom out of the following ?

- a. **Rashi** b. Sulekha c. Abha d. Monika

78. In a class, ratio of passed to failed students in an exam is 5:1. Amit is 16th from the top and Sujit, who is three ranks below Amit, is 22nd from the bottom among the passed students. If all students in the class had appeared for the exam, what is the strength of the class?

- a. 40 b. 32 c. **48** d. Data Inadequate

79. The sum of the ages of a son and father is 48 years. After 4 years, the age of the father will be 3 times that of the son. What is the age of the son?

- a. 6 b. 18 c. **10** d. None of these

80. Shyam starts walking towards East and after walking 20m, turns southward and walks 10 m and then he turns to his right and walks 30m. In which direction is he now with respect to the starting point?

- a. South b. West c. South-East d. **South-West**

Directions (Qn. 81 to 85): In each of the following questions, four groups of letters are given, Three of them are alike in a certain way while one is different. Select the one which is different.

81. a. **STUA** b. RQPA c. MLKA d. HGFA

82. a. RSXY b. **NOUV** c. MNST d. DEJK

83. A thief steals a car at 1p.m. and drives at 20 km/hr. The theft is discovered at 2 p.m. If the owner sets of another car at 30 km/hr, then he will overtake the thief at:
- a. 2.40 pm b. 3.20 pm **c. 4.00 pm** d. 4.20 pm
84. If 15 men and 10 boys can do in one day as much work as 12 men and 20 boys. How much should a man be paid a day if a boy is to get Rs. 10/- a day ?
- a. Rs. 26.77 **b. Rs. 33.33** c. Rs. 45 d. None of these
85. A farmer notices that the area of his farm in sq.mts is equal to 2 times the square of the number of tractors he owns. If one tractor is stolen he has to sell 62 sq.mts of the farm so as to maintain the relationship. Find the total number of tractors he has.
- a. 14 b. 15 **c. 16** d. 17

Directions (Qn. 86 to 100) : Choose the best alternatives

86. Performing 'Sati' by women was declared illegal during the Governor Generalship of :
- a. **William Bentinck** b. Dalhousie
c. Canning d. Cornwallis
87. Who was the first Indian to win an individual medal in Olympics?
- a. Milkha Singh b. P. T. Usha
c. Karnam Malleshwari **d. K. D. Jadhav**
88. How many countries share land boundaries with India?
- a. Five b. Six **c. Seven** d. Nine
89. An ordinance promulgated by the President of India
- a. Has an indefinite life
b. Effective only if the Lok Sabha is dissolved
c. **Must be laid before the Parliament when it meets**
d. is a parallel power of legislation available to the president even when the Parliament is in session
90. Council of ministers has to resign if it loses the confidence of :
- a. Parliament b. either House of Parliament
c. Rajya sabha **d. Lok Sabha**
91. Which of the following was awarded Noble Peace for three times?
- a. Human Rights Council b. World Bank
c. **International Committee of the Red Cross** d. UN peacekeeping forces

92. Which of the countries represent letter 'C' in the category known as BRIC Countries?
a. Canada b. Chile c. Cuba d. **China**
93. A solar eclipse is caused when the
a. Sun comes between the earth and the moon
b. moon comes between the sun and the earth
c. **earth comes between the sun and the moon**
d. none of these
94. Chinese currency Yuan was in news during the last week of December 2015. Yuan is also known as:
a. **Renminbi** b. Abbasi c. Toman d. Pataca
95. The rate at which banks borrow rupees from RBI is
a. **Repo rate** b. Reverse Repo rate
c. Bank rate d. Simple interest rate
96. Who started the first newspaper in India?
a. Dadabhai Naoroji b. Sir Syed Ahemed Khan
c. **James Hickey** d. Raveendra Nath Tagore
97. The Olympic games are normally held at an interval of
a. 2 years b. 3years c. **4 years** d. 5 years
98. Which metal is used for generation of Nuclear Energy by Nuclear power plants
a. Zinc b. Platinum c. **Uranium** d. Nickel
99. The country which has no income tax
a. Nepal b. Afganistan c. China d. **United Arab Emirates**
100. Where is Harappa situated, according to the present map?
a. India b. Afganistan c. **Pakistan** d. China