

JELET-2023

Paper-II (For Pharmacy Candidates)

(Booklet Number)

Duration: 2 Hours

No. of MCQ : 100

Full Marks: 100

INSTRUCTIONS

1. All questions are of objective type having four answer options for each.
2. Category-I MCQ : Carry 1 mark each and only one option is correct. In case of incorrect answer or any combination of more than one answer, $\frac{1}{4}$ mark will be deducted.
3. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.
4. Use only **Black/Blue ink ball point pen** to mark the answer by complete filling up of the respective bubbles.
5. Write question booklet number and your roll number carefully in the specified locations of the **OMR Sheet**. Also fill appropriate bubbles.
6. Write your name (in block letter), name of the examination center and put your signature (as appeared in Admit Card) in appropriate boxes in the OMR Sheet.
7. The OMR Sheet is liable to become invalid if there is any mistake in filling the correct bubbles for question booklet number/roll number or if there is any discrepancy in the name / signature of the candidate, name of the examination center. The OMR Sheet may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be sole responsibility of candidate.
8. Candidates are not allowed to carry any written or printed material, calculator, pen, log-table, wristwatch, any communication device like mobile phones, bluetooth etc. inside the examination hall. Any candidate found with such prohibited items will be **reported against** and his/her candidature will be summarily cancelled.
9. Rough work must be done on the question booklet itself. Additional blank pages are given in the question booklet for rough work.
10. Hand over the OMR Sheet to the invigilator before leaving the Examination Hall.
11. Candidates are allowed to take the Question Booklet after Examination is over.

Signature of the Candidate : _____
(as in Admit Card)

Signature of the Invigilator : _____



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9. Most of the drug is absorbed through –
(A) Active transport (B) Facilitated diffusion
(C) Passive diffusion (D) Ion pair transport
10. Morphine affects the eyes by –
(A) Producing miosis through an action on the oculomotor nerve.
(B) Producing mydriasis through an action on the sympathetic system.
(C) Decreasing pupillary responses to light.
(D) Directly acting on the smooth muscle of the iris.
11. Atropine over-dosage may cause all of the following, except
(A) Miosis (B) Increased heart rate
(C) Relaxation of GIT smooth muscle (D) Mental aberration
12. Antidote of atropine is –
(A) Neostigmine (B) Pralidoxime
(C) Physostigmine (D) None of the above
13. Antidote of organo phosphorus poisoning is –
(A) Physostigmine (B) Pralidoxime
(C) Neostigmine (D) Tubocurarine
14. A reaction between an acid and an alcohol produces an ester and _____.
(A) Water (B) Carbon dioxide
(C) Ethanol (D) Oxygen
15. Major adverse effect of clonidine is –
(A) Bradycardia (B) Tachycardia
(C) Hypertension (D) Dry mouth
16. According to Drugs and Cosmetics Act, List of substances that should be sold by retailer only on prescription of registered medical practitioner is given in which of the following Schedule ?
(A) Schedule 'H' (B) Schedule 'V'
(C) Schedule 'X' (D) Schedule 'Q'



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41. Diuretic effect of spironolactone is antagonized if co-administered with –
(A) Amiloride (B) Ibuprofen
(C) Nifedipine (D) Aspirin
42. Vaccines are –
(A) Modified bacterial exotoxin
(B) Modified bacterial endotoxin
(C) Killed or attenuated suspension of micro-organisms
(D) Antibody containing preparation
43. Diagnostic test for typhoid is –
(A) Widal test (B) Dick test
(C) Kahn's test (D) Mantoux test
44. Mechanism of sterilization by autoclave method is –
(A) Coagulation of bacterial proteins
(B) Oxidation of bacterial proteins
(C) Mutation in bacteria
(D) Alkylation of bacterial proteins
45. The reciprocal of viscosity is called –
(A) Surface tension (B) Frictional resistance
(C) Fluidity (D) None of these
46. Amino acid used for the biosynthesis of morphine –
(A) Alanine (B) Glycine
(C) Methionine (D) Tyrosine
47. Which dryer is used for drying of enzymes ?
(A) Drum dryer (B) Spray dryer
(C) Freeze dryer (D) Fluidized bed dryer
48. Which of the following is a set of bacterial disease ?
(A) Typhoid and measles (B) Influenza and tuberculosis
(C) Measles and mumps (D) Pertussis and syphilis



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67. Purine derivative are detected by –
- (A) Baljet test (B) Molish test
(C) Murexide test (D) Legal test
68. Dipole moment of molecule is measured in _____ unit.
- (A) Debye (B) Dyne/Cm
(C) Dyne (D) Poise
69. “Cheese reactions” are related to –
- (A) Carbonic anhydrase inhibitors (B) ACE inhibitors
(C) MAO inhibitors (D) Antipsychotics
70. As per Indian pharmacopoeia sucrose concentration in syrup is –
- (A) 64.74% w/w (B) 64.74% v/v
(C) 66.667% v/w (D) 66.667% w/w
71. Which of the following is a correct formula of Grignard reagent ?
- (A) RMgX (B) RMg_2X
(C) RMgX_2 (D) All of these
72. Atropine is an antagonist of –
- (A) N_M receptors (B) α receptors
(C) β_2 receptors (D) M receptors
73. Which of the following is not sterilized by dry heat method ?
- (A) Paraffin (B) Talcum powder
(C) Linen (D) Steel wire



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74. Which stain paper is used in limit test of arsenic ?
(A) pH paper (B) Cobalt chloride paper
(C) Mercuric chloride paper (D) None of above
75. Histamine is involved in which type of allergic reaction ?
(A) Type 1 (B) Type 2
(C) Type 3 (D) Type 4
76. Carminatives are drugs that act by –
(A) Evacuation of bowel from gastrointestinal tract
(B) Decrease gastrointestinal motility
(C) Precipitating the protein of epithelium
(D) Evacuation of gases from gastrointestinal tract
77. Schizolysigenous oil glands are found in –
(A) Datura (B) Nux vomica
(C) Caryophyllum (D) Neem
78. At isoelectric pH, a mixture of amino acids in solution would be predominantly –
(A) Zwitter ions (B) Non-polar molecules
(C) Hydrophilic (D) Positive and monovalent
79. Tourniquet test is performed to detect –
(A) Leprosy (B) Dengue
(C) Multiple myeloma (D) Tuberculosis
80. Site of T cell maturation is –
(A) Thymus gland (B) Bone marrow
(C) Spleen (D) Appendix



