

GPAT 2026 Question Paper with Solutions

Time Allowed :3 Hours	Maximum Marks :500	Total questions :125
------------------------------	---------------------------	-----------------------------

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The GPAT 2026 exam will be conducted in online mode (Computer-Based Test).
2. The total duration of the exam is 3 hours.
3. The exam consists of 125 multiple-choice questions (MCQs).
4. Each correct answer carries 4 marks, and 1 mark will be deducted for each incorrect answer.
5. Questions in the exam are divided into various sections such as Pharmaceutical Chemistry, Pharmacology, Pharmaceutics, Pharmacognosy, Medicinal Chemistry, Biochemistry, Microbiology, and Clinical Pharmacy.
6. Candidates must carry the GPAT 2026 admit card and a valid photo ID proof to the exam center.
7. Mobile phones, calculators, and any other electronic devices are strictly prohibited in the exam hall.
8. All questions in the exam are compulsory. Choose the most appropriate answer for each question.
9. Ensure to follow the on-screen instructions during the exam carefully.

1. Which of the following phenothiazine neuroleptic is a piperidine derivative?

- (A) Thioridazine
- (B) Trifluperazine
- (C) Perphenazine

(D) Promazine

2. Neuroleptics mediated parkinsonism is alleviated by

- (A) Antimuscarinics
 - (B) Amantadine
 - (C) Levodopa
 - (D) Selegiline
-

3. Which of the following drugs is both α and β blocker?

- (A) Phentolamine
 - (B) Phenoxybenzamine
 - (C) Labetalol
 - (D) Indoramin
-

4. Digitalis toxicity is aggravated by

- (A) Hypokalemia
 - (B) Hyponatremia
 - (C) Hypocalcemia
 - (D) Hypomagnesemia
-

5. Preferred antihypertensive drug during pregnancy is

- (A) Propranolol
 - (B) Hydralazine
 - (C) Hydrochlorothiazide
 - (D) Sodium nitroprusside
-

6. All of the following are first line antitubercular drugs except

- (A) Isoniazid
 - (B) Rifampicin
 - (C) Kanamycin
 - (D) Ethambutol
-

7. Combination of drug which is effective in the treatment of angina pectoris is

- (A) Atenolol, Isoproterenol, diltiazem
 - (B) Isosorbide, nifedipine, propranolol
 - (C) Nitroglycerin, Isosorbide, atenolol
 - (D) None of the above
-

8. Isoxsuprine is used to treat

- (A) Asthma
 - (B) Severe Hypotension
 - (C) Nasal congestion
 - (D) Premature labor
-

9. A young woman complains of severe abdominal pain at the time of menstruation. Careful evaluation indicates the presence of significant endometrial deposits on the pelvic peritoneum. The most rational therapy for this patient would be

- (A) Flutamide
 - (B) Danazol
 - (C) Mestranol
 - (D) Estradiol
-

10. The primary standard used to standardize acetic perchloric acid is

- (A) Benzoic acid
- (B) Potassium hydrogen phthalate

- (C) Oxalic acid
 - (D) Sodium carbonate
-

11. Which of the following is used to damask zinc from the zinc-cyanide complex?

- (A) Tiron
 - (B) Potassium iodide
 - (C) Chloral hydrate
 - (D) Triethanolamine
-

12. The IR detector which consists of a small metal cylinder closed by a blackened metal plate on one end and a flexible metalized diaphragm on the other is

- (A) Bolometer
 - (B) Thermistor
 - (C) Golay cell
 - (D) Pyroelectric detectors
-

13. The Henderson's equation states that

- (A) $\text{pH} = \text{pK}_a + \log \left[\frac{[\text{salt}]}{[\text{acid}]} \right]$
 - (B) $\text{pH} = \text{pK}_a - \log \left[\frac{[\text{salt}]}{[\text{acid}]} \right]$
 - (C) $\text{pH} = \text{pK}_a - \log \left[\frac{[\text{acid}]}{[\text{salt}]} \right]$
 - (D) $\text{pH} = \text{pK}_a + \log \left[\frac{[\text{acid}]}{[\text{salt}]} \right]$
-

14. The standard redox potential of $\text{MnO}_4^- / \text{Mn}^{+2}$ systems is

- (A) +1.52 V
- (B) -0.51 V
- (C) +0.77 V
- (D) -0.06 V

15. Which of the following is not true for Eddy diffusion in chromatography?

- (A) it is related to particle size, geometry and tightness of packing of the stationary phase
 - (B) it results in the broadening of the eluted band
 - (C) it is independent of flow rate
 - (D) it results from the tendency of the molecules to migrate from the concentrated center part of the band towards more dilute regions on either side
-