

GPAT QUESTION PAPER 2004 WITH ANSWER KEY

PHARMACEUTICAL SCIENCE

Time : 3 hours

Maximum Marks : 150

Read the following instruction carefully.

1. This question paper contains 90 objective questions. Q. 1-30 carry 1 mark each and Q. 31-90 carry two marks each.
2. Answer all the questions.
3. Questions must be answered on special machine gradable Objective Response Sheet (ORS) by darkening the appropriate bubble (marked A, B, C, D) using HB pencil against the question number on the left hand side of the ORS. Each question has only one correct answer. In case you wish to change an answer, erase the old answer completely using a good soft eraser.
4. There will be NEGATIVE marking. For each wrong answer, 0.25 mark for Q. 1-30 and 0.5 mark for Q. 31-90 will be deducted. More than one answer marked against a question will be deemed as an incorrect response and will be negative marked.
5. Write your registration number, name and name of the Centre at the specified locations on the right half of the ORS.
6. Using HB pencil darken the appropriate bubble under each digit of your registration number.
7. Using HB pencil darken the appropriate bubble under the letters corresponding to your paper code.
8. No charts or tables are provided in the examination hall.
9. Use the blank pages given at the end of the question paper for rough work.
10. Choose the closest numerical answer among the choices given.
11. This question paper contains 20 pages. Please report, if there is any discrepancy.

(Q. 1 - 30) CARRY ONE MARK EACH

1. The structural feature common for propranolol, atenolol, pindolol, metoprolol in the side chain is
(a) Isopropyl amino propan-2-ol (b) Dimethyl amino propan-2-ol
(c) Diethyl amino propan-2-ol (d) Dibutylamino propan-2-ol
2. When N- methyl group of morphine is replaced with an allyl group, the compound formed is
(a) Naloxone-morphine antagonist (b) Naltrexone-morphine antagonist
(c) Nalorphine-morphine antagonist (d) Nalbuphine-morphine agonist/antagonist
3. Nitrazepam can be synthesized from
(a) 2-Bromo-5-amino benzophenone (b) 2-Nitro-2-chloro acetophenone
(c) 2-Amino-5-nitro cyclohexanone (d) 2-Amino-5 nitro-benzophenone
4. Clavulanic acid has a beta lactam ring fused to
(a) Thienyl system (b) Thiodiazole system
(c) Thiazolidine system (d) Oxazolidine system

Grade Agriculture Question Paper 2004

E Durkheim



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