

7. Explain the pharmacological basis for the following:
- 7A. Metoclopramide is not used to treat levodopa induced vomiting.
 - 7B. Glibenclamide is used in type 2 diabetes.
 - 7C. Frusemide is used in acute congestive cardiac failure.
 - 7D. Sodium valporate can be used in both grand mal and petit mal epilepsy.
 - 7E. Atropine is used in preanaesthetic medication.

(2×5 = 10 marks)

8. Write short notes on the following:

- 8A. SSRIs
- 8B. Therapeutic uses of nitrates
- 8C. Reverse transcriptase inhibitors

(3×3 = 9 marks)

9. 20 year old Mary is suffering from mild chronic asthma with occasional exacerbations. Mention three groups of drugs with one example for each useful in managing this case.

(3 marks)

10. A 50 year old patient with peripheral vascular disease was diagnosed with hypertension. List two groups of drugs with two examples for each suitable in this patient.

(3 marks)

11. A 50 year old female patient is on HRT.

- 11A. List two estrogen preparations that can be used in HRT.

- 11B. Describe two advantages of HRT.

(1+2 = 3 marks)

12. Mention three groups of drugs with one example for each useful in the treatment of postpartum haemorrhage.

(3 marks)



March '09 / Batch 04

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MANIPAL UNIVERSITY

MBBS PHASE I STAGE II DEGREE EXAMINATION – FEBRUARY 2011

SUBJECT: PHARMACOLOGY – II (MCQs)

Monday, February 14, 2011

Time: 11:30 – 12:30 Hrs.

Max. Marks: 120

INSTRUCTIONS

1. For each statement, select **T** (True) or **F** (False) as your choice.
2. Indicate your choice by darkening the appropriate circle in the answer sheet provided.
3. Use only HB or 2B pencils to darken the circle.
4. Leave blank for Don't Know response.
5. Scoring systems is as follows:

For every Correct response	1 mark is awarded
For every Wrong response	0.5 mark is deducted
For every Don't Know response	No mark is deducted
6. Indicate your roll number (Registration Number) clearly and correctly.
7. Do not write anything in the question paper.
8. The true/false statements are numbered 101 to 160 and 201 to 260 (Total 120 statements).
9. This question paper contains **03** pages. Please make sure that the question paper provided to you has all the pages.

Proprietary name

101. Is given by FDA
102. Is used uniformly all over the world
103. Of different formulations of a drug will be different
104. Is also called as official name

Worsening of clinical condition can be seen following the sudden withdrawal of

105. Beta blockers
106. Clonidine
107. Phenytoin
108. Dexamethasone

Through intravenous route

109. Depot preparations can be administered
110. Large volume of drug can be administered
111. Irritant drugs can be administered

Following factors can affect bioavailability of a drug

112. Enterohepatic circulation
113. Plasma protein binding
114. Physical properties of the drug
115. Vascularity of absorbing surface

TDM is done for the following

116. Phenytoin
117. Lithium
118. Antihypertensives
119. Levodopa

Azithromycin

120. Acts by inhibiting DNA gyrase
121. Is useful in the treatment of MAC in AIDS patients
122. Has shorter duration of action than erythromycin
123. Is a microsomal enzyme inhibitor

Linezolid

124. Acts by inhibiting bacterial cell wall synthesis
125. Can cause Red man syndrome
126. Is ineffective against MRSA

Following drugs are used in urinary tract infections during pregnancy

127. Ciprofloxacin
128. Cotrimoxazole
129. Amoxicillin
130. Gentamicin

Following cholinergic drugs are used in the treatment of glaucoma

131. Neostigmine
132. Physostigmine
133. Acetylcholine
134. Pilocarpine

Carvedilol

135. Is a cardioselective beta blocker
136. Is contraindicated in congestive cardiac failure
137. Has antioxidant property
138. Can precipitate acute bronchial asthma

Promethazine

139. Is used in motion sickness
140. Blocks only H₁ receptors
141. Can be used to treat extrapyramidal side effects induced by chlorpromazine
142. Is used in productive cough

Indomethacin

143. Is a selective COX-2 inhibitor
144. Is used for medical treatment of patent ductus arteriosus
145. Has mild anti-inflammatory action
146. Is contraindicated in acute gout

Methotrexate

147. In low oral dose inhibits dihydrofolate reductase
148. Toxicity can be ameliorated by administering folic acid
149. Is the drug of choice in choriocarcinoma
150. Can cause hemorrhagic cystitis

Zolpidem

151. Blocks μ receptor
152. Useful in sleep onset insomnia
153. Can be used in acute muscle spasm
154. Is used in anxiety

Chlorpromazine

155. Is useful in acute mania
156. Can cause dry mouth
157. Has weak D₂ blocking property
158. Can cause hypotension

Fluconazole

159. Acts by inhibiting lanosterol 14-demethylase
160. Can cause gynaecomastia
201. Is useful in vaginal candidiasis
202. Is useful in fungal meningitis

Drugs used in multidrug therapy of paucibacillary leprosy include

- 203. Rifampicin once a month
- 204. Dapsone once a week
- 205. Clofazimine once a day
- 206. Ofloxacin single dose

Hydrochlorothiazide

- 207. Causes hypercalcemia
- 208. Is ototoxic
- 209. Is preferred over frusemide in acute CCF
- 210. Can precipitate lithium toxicity

Amlodipine is

- 211. Preferred over nifedipine in hypertension
- 212. Useful in PSVT
- 213. Safe in patients with asthma
- 214. Used in hypertensive emergency

Digoxin

- 215. Causes bradycardia
- 216. Activates Na⁺K⁺ATPase
- 217. Toxicity is enhanced in hyperkalemia
- 218. Is used routinely in mild CCF

Sodium nitroprusside

- 219. Is administered sublingually
- 220. Administration requires close monitoring of BP
- 221. Decomposes when exposed to light
- 222. Can cause lactic acidosis

Drugs useful in productive cough include

- 223. Lozenges
- 224. Bromhexine
- 225. Codeine
- 226. Dextromethorphan

Senna

- 227. Acts by inhibiting Na⁺K⁺ATPase
- 228. On regular use can cause melanosis
- 229. Is useful in organic constipation
- 230. Can be used as an after purge while treating helminthiasis

Omeprazole is

- 231. A prodrug
- 232. Less potent than ranitidine
- 233. Administered along with food
- 234. Useful in the treatment of NSAID induced gastric ulcer

Epoetin

- 235. Is produced by recombinant DNA technology
- 236. Is used in anemia of chronic renal failure
- 237. Can cause sudden rise in hematocrit
- 238. Is used during pregnancy to prevent anemia

Warfarin

- 239. Acts by activating antithrombin III
- 240. Dose regulation is done using INR
- 241. Anticoagulant action is reduced by broad spectrum antibiotics
- 242. Overdose is treated with Vit K₁

Alendronate

- 243. Acts by accelerating the apoptosis of osteoclasts
- 244. Is contraindicated in GERD
- 245. Is administered intravenously
- 246. Is used in Paget's disease

Combined oral contraceptive pills

- 247. Are administered continuously for whole month
- 248. Discontinuation causes return of fertility within 2 months
- 249. Reduce the incidence of fibrocystic breast disease
- 250. Failure can be seen in patients taking tetracycline

Finasteride

- 251. Acts by blocking androgen receptors
- 252. Can decrease libido
- 253. Is useful in male pattern baldness
- 254. Is useful in testicular carcinoma

Hydrocortisone is used intravenously in

- 255. Anaphylactic shock
- 256. Cerebral edema
- 257. Acute adrenal insufficiency
- 258. Status asthmaticus

Insulin Lispro is

- 259. An Insulin analogue
- 260. Administered 30 min before meal

