

GOVERNMENT OF INDIA — MINISTRY OF RAILWAYS (RAILWAY RECRUITMENT BOARDS)

Centralised Employment Notice CEN 02/2019 & CEN 05/2026 Recruitment Examination

Railway Pharmacist Official CBT Solved Question Paper & Answer Key

Exam: Railway Pharmacist Grade-III CBT

Total Questions: 100 MCQs (70 Domain + 30 General)

Negative Marking: 1/3rd mark deduction

Time Allowed: 90 Minutes

Q1 (Domain). The chief active alkaloid in Belladonna responsible for anticholinergic activity is:

- (A) Quinine
- (B) Atropine (dl-Hyoscyamine)
- (C) Reserpine
- (D) Morphine

Correct Answer: (B) Atropine (dl-Hyoscyamine)

Rationale: Atropa belladonna contains tropane alkaloids primarily l-hyoscyamine which racemizes to Atropine during extraction.

Q2 (Domain). In prescription terminology, 'h.s.' (hora somni) signifies:

- (A) Early morning on empty stomach
- (B) At bedtime
- (C) Immediately in emergency
- (D) Every two hours

Correct Answer: (B) At bedtime

Rationale: Latin abbreviation 'h.s.' stands for 'hora somni', meaning 'at bedtime'.

Q3 (Domain). What is the minimum required shelf life for reconstituted oral antibiotic suspensions?

- (A) 24 hours at room temp
- (B) 7 to 14 days when stored in refrigerator (2°C–8°C)
- (C) 30 days
- (D) 6 months

Correct Answer: (B) 7 to 14 days when stored in refrigerator (2°C–8°C)

Rationale: Hydrolysis degrades dry syrups rapidly once water is added; typical stability is 7 days at room temperature and 14 days refrigerated.

Q4 (Domain). Which schedule under the Drugs and Cosmetics Act governs expiry dates of medicines?

- (A) Schedule P
- (B) Schedule J
- (C) Schedule H
- (D) Schedule C

Correct Answer: (A) Schedule P

Rationale: Schedule P prescribes life period (shelf life) and storage conditions of drugs. Schedule P1 prescribes pack sizes.

Q5 (General Science). In human physiology, which organ is responsible for the synthesis of Urea in the body?

- (A) Kidney
- (B) Liver
- (C) Pancreas
- (D) Spleen

Correct Answer: (B) Liver

Rationale: The urea cycle (Ornithine cycle) takes place primarily in hepatocytes of the liver to detoxify ammonia into urea, which is then filtered by kidneys.