



04212

**Second B.H.M.S. (2015) Examination, Winter 2017
FORENSIC MEDICINE AND TOXICOLOGY**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10x2=20)

- ✓ A) Suffocation: 2
- B) Hase's rule.
- ✓ C) Give two examples of medicolegal reports.
- D) What is professional secrecy ?
- ✓ E) Who is executive magistrate ?
- ✓ F) Dangerous weapon.
- G) Dead body challan.
- ✓ H) Mention any two medicolegal importances of liver mortis. *from lividity*
livore
- I) Diatoms. *algae*
- ✓ J) Active principles of Dhatura. *Atropine, hyogcyamine, scopolamine*
- ✓ K) The active principles of Nux Vomica.
- L) Lead line.
- ✓ M) Fatal dose and fatal period of opium.
- ✓ N) Toxicology. 2
- ✓ O) Antidote. 1

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2. Write short answer (**any four** out of six) :

(4x5=20)

- a) Mental Health Act. [✓]
- b) Exhumation.
- c) Saponification. *Adeposere*
- d) ✓ What are the positive signs of Pregnancy ? Mention medicolegal importances of it in civil and criminal cases. [✓]
- e) ✓ Abrasion Injury. [✓]
- f) Hydrostatic test.

3. Write short answer (**any four** out of six) :

(4x5=20)

- a) Bombay Prohibition Act.
- b) Diagnosis of poisoning in living and dead person. [✓]
- c) Differential diagnosis and treatment of organophosphorus poisoning.
- d) Food poisoning. [✓]
- e) Cocaine poisoning.
- f) CO poisoning.

4. Long answer question (**any two** out of four) :

(2x10=20)

- a) Define death. Mention about signs of death with it's Medicolegal importances. ⁶
- b) What is drowning ? Mention types, mechanism of drowning. Write about post mortem findings in cases of fresh water drowning. Mention medicolegal importances of drowning.
- c) Classify injuries. Write in detail about laceration. ⁶
- d) How will you determine the race, age, sex of an individual ? Write it's medicolegal importances.

Long answer question (**any one** from Q. No. 5, 6 and 7).

5. Long answer question.

(1x20=20)

Write about constituents of snake venom, difference between poisonous and non-poisonous snake, S/S, treatment, postmortem appearances and Medicolegal importances of snake bite.

6. Long answer question :

(1x20=20)

Describe Chronic Lead poisoning in detail.

7. Long answer question :

(1x20=20)

Describe the general principles of treatment of poisoning in detail. What are the duties of R.M.P. in cases of suspected poisoning ?