



No Chemical

04212

**Second B.H.M.S. (2015) Examination, Summer 2018
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) :

(10×2=20)

- A) Warrant.
- B) What is Juvenile Court ?
- C) What is meant by hostile witness ?
- D) What is panchnama ?
- E) Examples of expert witness.
- F) What is dead body challan ?
- G) What is meant by Ballastic Injury ?
- H) Define postmortem Lividity.
- I) What is choking ?
- J) Locard's principle of exchange.
- K) What is Toxinology ?
- L) Constituents of universal antidote.
- M) Two active principle of opium.
- N) Ideal homicidal poison.
- O) Two common names of Abrus Precatorius.

P.T.O.



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

(4×5=20)

- a) Police Inquest.
- b) Sec. 320
- ✓ c) Algor mortis.
- d) Lochia.
- e) Workman's Compensation Act.
- f) Sexual Perversion.

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

(4×5=20)

- a) Chelating agent.
- b) Various schedules of poisons.
- c) Lead encephalopathy.
- d) Kerosene poisoning.
- e) Food Poisoning.
- f) Korsakoff's psychosis.

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

(2×10=20)

- a) Rule of nine.
- b) Define autopsy, what are the objectives of medicolegal post- mortem examination ?
- c) Define Hanging, types, its signs and symptom cause of death and PM appearance.
- d) What is natural sexual offences, examination of a victim of rape case ?

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

5. Long answer question.

(1×20=20)

Explain organophosphorus compounds with reference to

- a) Signs and symptom
- b) Treatment
- c) P M finding
- d) Medicolegal aspects.



6. Long answer question.

(1×20=20)

Give details of Classification of Poisons

- a) Sign and symptom of Cardiac poisoning
- b) P M finding of death due to sulphuric acid poisoning
- c) Medicolegal aspect of alcohol poisoning
- d) Treatment, Fatal dose, Fatal period and PM finding of dhatura

7. Long answer question.

(1×20=20)

Give details of

- a) Universal antidote
 - b) Human poisoning and cattle poisoning
 - c) Various routes of administration of poison
 - d) Duties of doctor in case of suspected poisoning.
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**Second B.H.M.S. (2015) Examination, Winter 2017
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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- A) Suffocation:
- 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.
 - I) Diatoms.
 - J) Active principles of Dhatura.
 - K) The active principles of Nux Vomica.
 - L) Lead line.
 - M) Fatal dose and fatal period of opium.
 - N) Toxicology.
 - O) Antidote.

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2. Write short answer (any four out of six) : (4×5=20)
- a) Mental Health Act.
 - b) Exhumation.
 - c) Saponification.
 - 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) : (4×5=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) : (2×10=20)
- a) Define death. Mention about signs of death with it's Medicolegal importances.
 - 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.
 - 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. (1×20=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 : (1×20=20)
- Describe Chronic Lead poisoning in detail.
7. Long answer question : (1×20=20)
- Describe the general principles of treatment of poisoning in detail. What are the duties of R.M.P. in cases of suspected poisoning ?

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1. Write short answer (any ten out of fifteen) : (10×2=20)
- A) Contributory negligence.
 - B) What are the powers of first class magistrate ?
 - C) What is Dactylography ?
 - D) Mention any 2 medicolegal importances of Algor Mortis.
 - E) What is Defence Wound ?
 - F) Mention any 2 medicolegal importances of Hallucination.
 - G) Mention objectives of postmortem examination.
 - H) What is artificial insemination ?
 - I) Cocaine bug.
 - J) What is antidote for copper sulphate poisoning ?
 - K) Active principles of Dhatura.
 - L) Define Antidote.
 - M) Fatal dose and Fatal period of Sulphuric acid poisoning.
 - N) Fatal dose and Fatal period of Abrus Precatorius.
 - O) Define Poison.

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

(4×5=20)

- a) Summons.
- b) M.T.P. Act 1971.
- c) Mummification.
- d) Virginity.
- e) Medicolegal importances of burn injury.
- f) SIDS with its Medicolegal importances.

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

(4×5=20)

- a) Drug & Cosmetic Act 1940.
- b) Food Poisoning.
- c) Drug Addiction.
- d) Chronic phosphorus poisoning.
- e) Capsicum poisoning.
- f) Treatment of snake bite.

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

(2×10=20)

- a) What is death ? Mention types of death, modes of death. Add a note on rigor mortis with respect to definition, mechanism, factors affecting to rigor mortis, condition simulating to rigor mortis and Medicolegal importances of rigor mortis.
- b) What is Hanging ? Mention types, causes of death in Hanging. Write postmortem findings in antemortem hanging with its Medicolegal importances.
- c) What is Infanticide ? Mention the MLI of Infanticide. Write the signs of live birth baby. Mention act of omission and act of commission in Infanticide.
- d) What is personal identity ? Mention its Medicolegal importances. How will you determine race, age and sex of person ? Write it's Medicolegal importances.

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

5. Long answer question.

Write in detail about organophosphorus poisoning with reference to its pharmacological action, signs and symptoms, fatal dose, fatal period treatment, Postmortem findings and Medicolegal importances.

(1×20=20)

6. Long answer question.

Write in detail about Alcohol Poisoning with references to signs and symptoms of acute and chronic alcohol poisoning, causes of death and its treatment. Add a note on drunkenness.

(1×20=20)

7. Long answer question.

Explain General line of treatment of poisoning with reference to removal of unabsorbed poison, use of antidote, elimination of poison, symptomatic treatment and general care of patient.

(1×20=20)