

M.Sc.(FS) Semester - 3 (CBCS) Examination
Oct/Nov-2021 (NEW COURSE)
Forensic Chemistry (Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Que.1(A) Answer the following question. (4)

Define Accuracy and Precision with example

Que.1(B) Answer any two questions out of three. (10)

1. Write a note on calibration of instrument
2. What are the different parameters required for validation of methods.
3. Explain the significance of Forensic Lab accreditation with an example

Que.2(A) Answer the following question. (4)

What are controlled substances explain with an example

Que.2(B) Answer any two questions out of three. (10)

1. Describe the color test for cannabis
2. Write a note on TLC of opium
3. What is a microcrystal technique, explain its significance

Que.3(A) Answer the following question. (4)

What is Oxygen Balance, Discuss?

Que.3(B) Answer any two questions out of three. (10)

1. Write a note on IEDs
2. Describe the various initiation system
3. What is the difference between deflagration and detonation

Que.4(A) Answer the following question. (4)

What is PIONA, Explain?

Que.4(B) Answer any two questions out of three. (10)

1. Discuss distillation and density of gasoline
2. Differentiate between viscosity
3. Explain conduction, convection and radiation with an example

Que.5(A) Answer the following question. (4)

Discuss any two physical parameters required for testing edible oil

Que.5(B) Answer any two questions out of three. (10)

1. What is saponification and saponification value
2. Write a note on iodine Value
3. What is rancidity? Explain the qualitative test to check rancidity
