

**School of Biomedical Science****Bachelor of Science Honours in Forensic Science  
Summer Term Examination – July - August 2024****Duration : 180 Minutes  
Max Marks : 100****Sem III - C2UB301B - Forensic Chemistry and Explosives***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

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|-----|---|--------|
| 1)  | Define narcotics.   | K1(2)  |
| 2)  | What is the purpose of delay detonators and how do they work?   | K2(4)  |
| 3)  | What are the non-FCI approved preservatives and chemicals that one should be wary of in beverages?                | K2(6)  |
| 4)  | Explain 286 IPC.  | K3(9)  |
| 5)  | What is licit opium cultivation and its significance in the Narcotic Drugs & Psychotropic Substances Act of 1985? | K3(9)  |
| 6)  | How does terrorism differ from insurgency?  | K5(10) |
| 7)  | Elaborate adulterants in petroleum products.  | K4(12) |
| 8)  | Differentiate between emulsion slurries and powder explosives.  | K5(15) |
| 9)  | Demonstrate designer drugs and how are they detected in forensic analysis.  | K5(15) |
| 10) | Describe chemistry of fire.   | K6(18) |