National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL FORENSIC SCIENCE LABORATORY, CENTRAL BUREAU OF INVESTIGATION, BLOCK-4, CGO COMPLEX, LODHI ROAD, NEW DELHI, DELHI, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	FORENSIC- BIOLOGICAL SCIENCES	Biological sample: Blood, Semen, Saliva, Tissue, Bone, Hair, Teeth & any other material containing human cells	DNA Profiling to establish Individualization (i. Autosomal STR Typing ii. Y STR Typing)	Manual on Forensic DNA Profiling, CFSL-CBI-ND-BIO-44B. Issue No. 1; Date of Issue: 03.10.2013)
2	FORENSIC- BIOLOGICAL SCIENCES	Blood or Blood Stains	Origin of Species	Procedure Manual on Forensic Serology-CFSL-CBI-ND-SERO-44; Issue No. 1; Date of Issue: 10.11.2006 Section 3.1-3.3 (Gel Diffusion Method)
3	FORENSIC- BIOLOGICAL SCIENCES	Blood/Blood Stained Material	Biochemical and microscopic tests for the detection of peroxidase activity and Haemoglobin of Blood (i. Benzidine test. ii. Takayama Test iii. Spectroscopic test)	Manual on Forensic Biology-CFSL-CBI-ND-BIO-44A, Issue No. 1; Date of Issue: 10.11.2006 , Section - {1.1.2 (i) & 1.1.3 (i)
4	FORENSIC- BIOLOGICAL SCIENCES	Blood/Blood Stains	Detection of ABO grouping (Absorption-Elution method)	Procedure Manual on Forensic Serology- CFSL-CBI-ND-SERO-44 Issue No. 1; Date of Issue: 10.11.2006 Section 4.5.3
5	FORENSIC- BIOLOGICAL SCIENCES	Diatoms	Detection of Diatoms by Microscopic observation	Manual on Forensic Biology-CFSL-CBI-ND-BIO-44A Issue No. 1; Date of Issue: 10.11.2006 , Section -(4.0.0)
6	FORENSIC- BIOLOGICAL SCIENCES	Faecal Matter	Detection of Faecal matter by chemical & microscopic tests (i. Odour test ii. Observation for Food particle and fibres. iii. Urobilinogen test)	Manual on Forensic Biology-CFSL-CBI-ND-BIO-44A Issue No. 1; Date of Issue: 10.11.2006 , Section - 3.5.2 (i) & 3.5.3 (i)
7	FORENSIC- BIOLOGICAL SCIENCES	Fibres	Anatomical & morphological study of Fibres by Microscopic observation	Manual on Forensic Biology, CFSL-CBI-ND-BIO-44A Issue No. 1; Date of Issue: 10.11.2006 , Section - {2.3.1)
8	FORENSIC- BIOLOGICAL SCIENCES	Fresh Blood	Serological test for ABO grouping by Antigen antibody reaction	Procedure Manual on Forensic Serology- CFSL-CBI-ND-SERO-44 ; Issue No. 1; Date of Issue: 10.11.2006 Section 4.1 Section 4.2 Section 4.4 Section 4.4.1
9	FORENSIC- BIOLOGICAL SCIENCES	Hair	Anatomical & morphological study of Hair by Microscopic observation	Manual on Forensic Biology, CFSL-CBI-ND-BIO-44A, Issue No. 1; Date of Issue: 10.11.2006 Section - {2.2.9 (i)

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10	FORENSIC- BIOLOGICAL SCIENCES	Saliva/Saliva Stained Material	Detection of Saliva by chemical test (Starch Amylase test)	Manual on Forensic Biology, CFSL-CBI-ND-BIO-44A, Issue No. 1; Date of Issue: 10.11.2006 Section - {3.2.1 (i) & 3.2.1 (ii)
11	FORENSIC- BIOLOGICAL SCIENCES	Semen/Semen Stained Material	Detection of human Semen by biochemical and microscopic tests (i. UV Scanning. ii. Acid Phosphatase test. iii. Spermatozoa detection)	Manual on Forensic Biology, CFSL-CBI-ND-BIO-44A, Issue No. 1; Date of Issue: 10.11.2006 Section - {3.0.0 (i), 3.1.3 (i) (A), 3.1.3 (iii) & 3.1.4 (i)
12	FORENSIC- BIOLOGICAL SCIENCES	Urine/ Urine Stained Material	Detection of urine by chemical and microscopic tests (i. Odour test. ii. Detection of Urea)	Manual on Forensic Biology, CFSL-CBI-ND-BIO-44A Issue No. 1; Date of Issue: 10.11.2006 , Section - {3.3.1 (i) & 3.3.2 (i)
13	FORENSIC- BIOLOGICAL SCIENCES	Vomit/ Vomit Stained Material	Detection of Vomit by chemical and microscopic tests (i. Observation for endothelial cells. ii. Test for Mucus. iii. Test for HCl)	Manual on Forensic Biology, CFSL-CBI-ND-BIO-44A, Issue No. 1; Date of Issue: 10.11.2006 Section - { 3.4.1(i), 3.4.2(i) & 3.4.3 (i)
14	FORENSIC- CHEMICAL SCIENCES	Amphetamines	Colour tests, Marquis, a) Frohde, Liebermann's, Chen's & Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-7.5.1 to 7.6.6. ii)Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 8.5.1to 8.5.5.3. iii) Recommended Methods for Testing AMPHETAMINE AND METHAMPHETAMINE Manual (T.L.C., HPTLC, GC, UV-VIS Spectrophotometry, GC-MS)

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15	FORENSIC- CHEMICAL SCIENCES	Amphetamines	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, (T.L.C., HPTLC, GC, UV-VIS Spectrophotometry, GC-MS MS)
16	FORENSIC- CHEMICAL SCIENCES	Barbiturates	Colour tests- Marquis, Frohde , Liebermann's, Mercurous Nitrate, and Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-8.5.1 to 8.6.9 ii)Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 9.5.1 to 9.5.5.3 (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
17	FORENSIC- CHEMICAL SCIENCES	Barbiturates	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 7.7 (T.L.C., HPTLC,GC, UV-VIS Spectrophotometry GC-MS)

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18	FORENSIC- CHEMICAL SCIENCES	Benzodiazepines	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 7.7 (T.L.C., HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
19	FORENSIC- CHEMICAL SCIENCES	Benzodiazepines	Colour tests- Marquis, c) Frohde , Liebermann's, Formaldehyde- Sulphuric acid and Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-9.5.1 to 9.6.2. ii) Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 10.5.1 to 10.5.4.3. (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
20	FORENSIC- CHEMICAL SCIENCES	Blood & Urine Exhibits Ethyl alcohol/ Methyl alcohol	Colour tests- Potassium Dichromate Test, Iodoform Test, Sulphomolybdic Acid Test, Chromotropic Acid test. Identification (GC. Volumetric titration - Kozelka and Hines / Cavette method)	Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.1 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 4.6.2.4, 4.6.2.6, 4.6.3

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21	FORENSIC- CHEMICAL SCIENCES	Cannabis	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 7.7 (T.L.C., HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
22	FORENSIC- CHEMICAL SCIENCES	Cannabis	Macroscopic tests, Microscopic tests, Colour tests- Fast Blue B salt, Duquenois- Levine, p-Aminophenol & Caustic potash, & Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. ii) Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 3.5.1to3.5.5.4. iii) Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 5.5.1 to 5.5.6.2. (T.L.C, GC-MS)
23	FORENSIC- CHEMICAL SCIENCES	Carbamate Pesticides	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.2 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 6.6, 6.7, 6.8, 6.9, 6.10 (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry, GC-MS)
24	FORENSIC- CHEMICAL SCIENCES	Carbonates of sodium	Chemical/ Colour tests (Test for Carbonate/ Bicarbonate, tests for Sodium)	Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-5.7.1.

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25	FORENSIC- CHEMICAL SCIENCES	Chloride ion	Detection/ Identification by Color test	i) Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-4.
26	FORENSIC- CHEMICAL SCIENCES	Cocaine	Colour tests- Cobalt thiocyanate, Scott's, P-Dimethylaminob-enzaldehyde, and Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-5.5.1to 5.5.5. ii)Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 6.5.1, to 6.5.5.3. iii) Recommended Methods for Testing COCAINE Manual for use by national narcotics laboratories, United Nations, 1986 ST/NAR/7 Page 16-17, Page 21-23. (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry, GC-MS)
27	FORENSIC- CHEMICAL SCIENCES	Cocaine	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 7.7 (T.L.C., HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
28	FORENSIC- CHEMICAL SCIENCES	Defused Improvis-ed Explosive devices Detonator, battery, container, delay mechanism, switch, explosive charge, missiles, circuit or the IED	Identification of explosive Device	Working procedure manual CFSL-CBI-ND-BALL-44B, Issue No. 1; Date of Issue: 10.11.2006

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29	FORENSIC- CHEMICAL SCIENCES	Diesel	Density and Identification	i) Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-2.9.2 ii)Laboratory procedure manual on Petroleum Products (2005), Directorate of Forensic Science, New Delhi, Section 5.2.1, 5.4, 2.3.3 (GC, TLC, UV-VIS Spectrophotometry, GC-MS)
30	FORENSIC- CHEMICAL SCIENCES	High Explosives i) RDX ii) PETN iii) TNT iv) CE v) HMX vi) NG	Identification by: (i) Physical examination (ii) Chemical test (a) Thymol test for RDX (b) Diphynilamine test for PETN (c) Alcoholic KOH test for TNT & CE (d) Diphynilamine test for HMX (f) Thymol test for NG (iii) TLC/HPTLC.	Working Procedure Manual: CFSL-CBI-ND-BALL-44B, Issue No. 1; Date of Issue: 10.11.2006
31	FORENSIC- CHEMICAL SCIENCES	Inflammable substances/ residues of Inflammable substances	Density and Identification	i)Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-3.7.2, 3.7.3, 3.8.1,3.11, 3.11.1. ii)Laboratory Procedure Manual on Petroleum Products (2005), Directorate of Forensic Science, New Delhi (GC, TLC, UV-VIS Spectrophotometry, GC-MS)
32	FORENSIC- CHEMICAL SCIENCES	Kerosene	Density and Identification	i)Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-2.8.2 ii)Laboratory procedure manual on Petroleum Products (2005), Directorate of Forensic Science, New Delhi, Section 4.2.1, 4.2.8, 4.3, 2.3.3 (GC, TLC, UV-VIS Spectrophotometry, GC-MS)

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33	FORENSIC- CHEMICAL SCIENCES	LDO	Density and Identification	(i)Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-2.10.1 ii)Laboratory procedure manual on Petroleum Products (2005), Directorate of Forensic Science, New Delhi, Section 5.2.1, 5.4, 2.3.3 (GC, TLC, UV-VIS Spectrophotometry, GC-MS)
34	FORENSIC- CHEMICAL SCIENCES	Mescaline	Colour tests- Marquis, Frohde , Liebermann's, and Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-10.5.1 to10.6.2. ii)Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 11.5.1 to 11.5.5.3. (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry, GC-MS)
35	FORENSIC- CHEMICAL SCIENCES	Metallic poisons	Chemical tests/Colour tests- Reinsch test; and Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 4.6.2 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 5.5.1.1 to 5.5.1.15 (UV-VIS Spectrophotometry)
36	FORENSIC- CHEMICAL SCIENCES	Methaqualone	Colour tests- Marquis, Frohde , Liebermann's, Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-6.5.1 to 6.6.1. ii)Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 7.5.1.1to7.5.5.3. (T.L.C. HPTLC,GC,UV-VIS Spectrophotometry GC-MS)

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37	FORENSIC- CHEMICAL SCIENCES	Methaqualone	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 7.7(T.L.C., HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
38	FORENSIC- CHEMICAL SCIENCES	Morphine/ Heroin	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.3 ii) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-4.5.1 to 4.6.13. iii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 7.7 (T.L.C., HPTLC,GC, UV-VIS Spectrophotometry GC-MS)

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39	FORENSIC- CHEMICAL SCIENCES	Morphine/ Heroin/ Opium	Colour tests- Marquis, a) Froehde , Liebermann's. Test for Meconic Acid, Morphine & Porphyroxine in opium & Identification	i) Working Procedure Manual on Narcotics CFSL-CBI-ND-CHEM-44C, Issue No.1, Date of Issue: 10.11.2006, Section-3.5.1to3.6.19. ii) Recommended Methods for Testing HEROIN Manual for use by national narcotics laboratories, United Nations, 1986 ST/NAR/6 Page 15-16, Page 19-20. iii) Working Procedure Manual on Narcotics & Psychotropic Substances 2005, Directorate of Forensic Science, New Delhi Section 3.5.1to3.5.5.4. ((T.L.C. HPTLC,GC, UV-VIS Spectrophotometry, GC-MS)
40	FORENSIC- CHEMICAL SCIENCES	Nitrate ion	Detection/ Identification by Color test	i) Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-4.
41	FORENSIC- CHEMICAL SCIENCES	Organochloro Pesticides	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.2 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 6.6, 6.7, 6.8, 6.9, 6.10 (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry, GC-MS)
42	FORENSIC- CHEMICAL SCIENCES	Organophosphorous Pesticides	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.2 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 6.6, 6.7, 6.8, 6.9, 6.10 (T.L.C., HPTLC,GC, UV-VIS Spectrophotometry, GC-MS.)

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43	FORENSIC- CHEMICAL SCIENCES	Petrol	Density and Identification	i)Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-2.7.2 ii)Laboratory procedure manual on Petroleum Products (2005), Directorate of Forensic Science, New Delhi, Section 2.2.1, 2.2.3, 2.2.4, 2.3.1, 2.3.3, 2.3.5 (GC, TLC, UV-VIS Spectrophotometry, GC-MS)
44	FORENSIC- CHEMICAL SCIENCES	Phencyclidine	Colour tests-Marquis, Frohde , Liebermann's, and Identification	Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006 (T.L.C. HPTLC,GC, UV-VIS Spectrophotometry GC-MS)
45	FORENSIC- CHEMICAL SCIENCES	Phenolphthalein	Chemical/ Colour tests, Acid - Alkali Test and Identification	i) Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-5.7.1. (T.L.C., H.P.T.L.C, GC-MS)
46	FORENSIC- CHEMICAL SCIENCES	Post explosion & Live explosive samples (i) Nitrite ion (ii) Nitrate ion (iii) Sulphate ion (iv) Sulphide ion (v)Chlorate ion (vi)Chloride ion (vii)Phosphate ion (viii)Sulphur ion (ix)Sodium ion (x)Potassium ion (xi)Ammonium ion (xii)Arsenic ion (xiii)Barium ion	Chemical Identification: color test (i) Griess test ii) Barium chloride sodium rhodizonate test (iii) Sodium nitroprusside test (iv) Manganous sulphate test (v) Silver nitrate test (vi) Ammonium molybdate test (vii) Sodium hydoroxide test (viii) Uranyl zinc acetate test (ix) Sodium cobalt nitrate test (x) Nessler's test (xi) Reinsch test (xii) Sodium rhodizonate test	Working procedure manual: CFSL-CBI-ND-BALL-44B Issue No. 1; Date of Issue: 10.11.2006
47	FORENSIC- CHEMICAL SCIENCES	Sulphate ion	Detection/ Identification by Color test	Working Procedure Manual of Chemistry CFSL-CBI-ND-CHEM-44A, Issue No.1, Date of Issue: 10.11.2006, Section-4.

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48	FORENSIC- CHEMICAL SCIENCES	Synthetic Pyrathroid	Identification	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 5.6.2 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 6.6, 6.7, 6.8, 6.9, 6.10
49	FORENSIC- CHEMICAL SCIENCES	Volatile inorganic poisons	Colour tests (Prussian Blue test, Mercuric bromide Paper test)	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 4.6.3, 4.6.4, 5.6.6, 5.6.1 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 4.6.2, 4.6.2.6, 4.6.3, 4.7.2, 5.5.2.10
50	FORENSIC- CHEMICAL SCIENCES	Volatile organic poisons	Colour tests (Potassium Dichromate Test, Iodoform Test, Sulphomolybdic Acid Test, Chromotropic Acid test and Identification)	i) Working Procedure Manual of Forensic Toxicology CFSL-CBI-ND-CHEM-44B, Issue No.1, Date of Issue: 10.11.2006, section 4.6.3, 4.6.4, 5.6.6, 5.6.1 ii) Laboratory Procedure Manual, Forensic Toxicology (2005), Directorate of Forensic Science, New Delhi. Section 4.6.2, 4.6.2.6, 4.6.3, 4.7.2, 5.5.2.10
51	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	Cloning/ Imaging of Hard Disc Drive (HDD) of Computer.	Bit to Bit imaging	Working Procedure Manual Computer Forensic Division. CFSL-CBI-ND-CFD-44 Issue No. 01, Date of Issue: 09.05.2007 Page No. 09 (Forensic Hardware Tools)
52	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	Devices with USB connectivity i.e. Pen drive/ Flash drive/ Thumb drive.	Recovery of live/ deleted files, folders, data in unallocated cluster/slack space	Working Procedure Manual Computer Forensic Division. CFSL-CBI-ND-CFD-44 Issue No. 01 Date of Issue: 09.05.2007 Page No. 10 (Forensic Software Tools)

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53	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	Examination of Hard Disc Drive (HDD) of Computer.	Recovery of live/ deleted files, folders, data in unallocated cluster/slack space	Working Procedure Manual Computer Forensic Division. CFSL-CBI-ND-CFD-44 Issue No. 01 Date of Issue: 09.05.2007 Page No. 09 & 10 (Forensic Software Tools)
54	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	Examination of Mobile Phones, SIM Cards & Memory Cards	Recovery of live/ deleted files, folders	Working Procedure Manual Computer Forensic Division. CFSL-CBI-ND-CFD-44 Issue No. 01 Date of Issue: 09.05.2007 Page No. 10 (Forensic Software/ Hardware Tool)
55	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	External Storage Devices (CD, DVD, Floppy & Memory cards)	Recovery of live/ deleted files, folders, data in unallocated cluster/slack space	Working Procedure Manual Computer Forensic Division. CFSL-CBI-ND-CFD-44 Issue No. 01 Date of Issue: 09.05.2007 Page No. 09 & 10 (Forensic Software Tool)
56	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	Photography	a) Comparison of photographs and their contents. b) Identification of Photographic equipments	Working Procedure Manual CFSL-CBI-PHOTO-44 Issue No.02, Date of Issue: 01.09.2016.
57	FORENSIC- FORENSIC ELECTRONICS & COMPUTER FORENSICS	Videography	a) Examination of video footage including CCTV video footage on any medium except all kinds of Hard-discs and mobile phone technology.	Working Procedure Manual CFSL-CBI-PHOTO-44 Issue No.02, Date of Issue: 01.09.2016
58	FORENSIC- FORENSIC PSYCHOLOGY	Human beings	Lie detection (Polygraph Test)	Questioning Technique CFSL-CBI-ND-FPD-SOP-44 Issue No. 02 Date of Issue - 02.05.2016
59	FORENSIC- PHYSICAL SCIENCES	Ammunition 1. Live Cartridge 2. Cartridge case 3. Bullet/ Pallet/ Wads	Physical examination, Identification, Characteristics Matching (by comparison Microscope)	Ballistics Laboratory Procedures Manual- CFSL-CBI-N.D.-BALL-44A Issue No. 1 Date of Issue: 10.11.2006
60	FORENSIC- PHYSICAL SCIENCES	Ascertaining of relative age of ink (sequence of strokes & if database available) & Documents	Examination of ink by Morphological, physical and instrumental examination	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
61	FORENSIC- PHYSICAL SCIENCES	Chance prints in crime exhibits	Development of Chance prints by using dusting methods/ Ninhydrin Technique (comparison with specimen/ admitted fingerprints using Photograph enlargement technique)	Fingerprint Working Manual - CFSL-CBI-ND-FP-44 Issue No. 02; Date of Issue: 10.06.2016.

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62	FORENSIC- PHYSICAL SCIENCES	Charred documents and decipherment	Reconstruction of Charred documents Physical and chemical methods	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44 ; Issue No. 02; Date of Issue: 17.08.2018
63	FORENSIC- PHYSICAL SCIENCES	Cloths	Physical examination, Microscopic examination, Chemical test for GSR (i) Nitrite test (Griess reagent) (ii) Lead test (Sodium rhodizonate) (iii) Copper test ((a) Rubeanic acid test (b) Hydroxyl amine hydrochloride test), Correlation of bullet holes with the PM report/MLC	Ballistics Laboratory Procedures Manual- CFSL-CBI-N.D.-BALL-44A Issue No. 1 Date of Issue: 10.11.2006
64	FORENSIC- PHYSICAL SCIENCES	Counterfeit Currency Notes	Detection of originality of currency notes: Study of covert and overt features with scientific aids	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
65	FORENSIC- PHYSICAL SCIENCES	Deciphering of Tampered chassis & engine and firearms.	Mechanical itching/ chemical itching	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
66	FORENSIC- PHYSICAL SCIENCES	Disputed documents bearing questioned/ admitted fingerprints	Detection of Fingerprints (by Development of fingerprints using Photograph enlargement for comparison with specimen fingerprints)	Fingerprint Working Manual - CFSL-CBI-ND-FP-44 Issue No.02, Date of Issue: 01.09.2016
67	FORENSIC- PHYSICAL SCIENCES	Electric cable/ wires	Photography, physical examination	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
68	FORENSIC- PHYSICAL SCIENCES	Examination of indented writings	Detection of variation in indented writings by applying different physical tests with instrumental examination	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
69	FORENSIC- PHYSICAL SCIENCES	Fiber/ Fabrics	Physical examination, microscopic examination	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
70	FORENSIC- PHYSICAL SCIENCES	Fire arms 1. Standard fire-arm 2. Country made/Non standard fire-arm	Physical examination, Barrel wash for GSR a. Nitrite test (Griess reagent) b. Sulphate test (Barium chloride) c. Fluorescent dye test, Test firing & identification of fire-arm including tempering.	Ballistics Laboratory Procedures Manual - CFSL-CBI-N.D.-BALL-44A Issue No. 1 Date of Issue: 10.11.2006

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71	FORENSIC- PHYSICAL SCIENCES	Glass	Physical examination, measurement of refractive index, density or specific gravity comparison	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
72	FORENSIC- PHYSICAL SCIENCES	Group Audio sample/ audio recording Sub-group-1 1. Speaker identifl-cation Sub group-2 1. Audio authentication	Auditory & spectrographic examination Auditory, spectrographic & waveform examination	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
73	FORENSIC- PHYSICAL SCIENCES	Handwriting/ signature examination	Comparison of characters of signatures and handwritings (Examination of general & individual hand writing characteristics and study of natural variations)	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
74	FORENSIC- PHYSICAL SCIENCES	Paint	Identification of paints by Physical examination and microscopic examination	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
75	FORENSIC- PHYSICAL SCIENCES	Paper, ink and travel documents	Detection of originality and age of paper by physical composition and security features	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
76	FORENSIC- PHYSICAL SCIENCES	Paper, ink and travel documents	Study of the physical composition, study of security features.	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
77	FORENSIC- PHYSICAL SCIENCES	Photocopied/ reproduced document	Detection of originality of documents by handwriting examination	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
78	FORENSIC- PHYSICAL SCIENCES	Rubber seal impressions	Correctness /Originality of rubber seal impressions (Examination of general and individual characteristics developed due to wear and tear of the stamps)	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
79	FORENSIC- PHYSICAL SCIENCES	Sequence of strokes”	Matching and comparison of sequence of strokes by Physical examination	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
80	FORENSIC- PHYSICAL SCIENCES	Soil	Physical examination of soil particles (by Density Distribution of soil particles)	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006

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81	FORENSIC- PHYSICAL SCIENCES	Stapler pins/ paper/ fasteners/ clips	Comparison of rust marks/ Stapler pins/ paper/ fasteners/clips (Size of the crown/rust mark on the papers fastened/distance between the holes throughout the fastened tool marks)	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018
82	FORENSIC- PHYSICAL SCIENCES	Swab 1. Cotton swab around the fire-arm wounds 2. Hand wash	Chemical test for the presence of GSR 1. (i) Nitrite test (Griess reagent) (ii) Lead test (Sodium rhodizonate) (iii) Copper test ((a) Rubeanic acid test (b) Hydroxyl amine hydrochloride test) 2. Nitrite test (Griess reagent).	Ballistics Laboratory Procedures Manual - CFSL-CBI-N.D.-BALL-44A Issue No. 1 Date of Issue: 10.11.2006
83	FORENSIC- PHYSICAL SCIENCES	Ten digit finger/ palm/ foot prints	Development of Ten digit fingerprints using slips, slabs, printer ink, lens	Fingerprint Working Manual - CFSL-CBI-ND-FP-44 Issue No.02, Date of Issue: 01.09.2016
84	FORENSIC- PHYSICAL SCIENCES	Tool marks	Photography, Tracing, foreign material examination, taking test impression	Working Procedure Manual CFSL-CBI-PHY-44 Issue No. 01 Date of issue: 10/11/2006
85	FORENSIC- PHYSICAL SCIENCES	Torn document	Reconstruction of Torn documents by Physical examination of paper and ink	WORKING PROCEDURE MANUAL CFSL-CBI-ND-DOC-44; Issue No. 02; Date of Issue: 17.08.2018