### FACT and FACT Plus Exam 20 March 2022

Exam Name	FACT and FACT Plus Exam 20 March 2022
Test Date	20/03/2022
Test Time :	9:00 AM - 11:00 AM
Subject	Forensic Chemical Sciences FACT

Option shown in green color with a tick icon is the correct answer.

Section: Aptitude in Forensic Sciences Q.1 Proof of proper chain of custody procedures allows X 1. Evidence analysis X 2. Evidence packaging X 3. Evidence collection 4. Evidence to be admitted to court Question ID: 310578380 Q.2 DNA is negatively charged because of the presence of Ans X 1. Bromated groups in nucleotides X 2. Sulphate groups in nucleotides

3. Phosphate groups in nucleotides

X 4. Chlorate groups in nucleotides

Question ID: 310578396

Q.3 Locard's principle specifically deals with

Ans X 1. Analysis of evidence

2. Exchange of evidence

X 3. Production of evidence

X 4. Collection of evidence

Question ID: 310578375

Q.4 Which of the following vaccine is not related with COVID19

Ans X 1. Covishield

X 2. Covaxin

X 3. Sputnik V

√ 4. Hep.B

Question ID: 310578361

	The first Forensic Science Laboratory in India was set-up at	
ns	X 1. Delhi	
	✓ 2. Calcutta	
	★ 3. Hyderabad	
	★ 4. Chennai	
		Question ID : <b>310578372</b>
Q.6	Police inquest is conducted under section	
Ans	√ 1. 174 CrPC	
	<b>★</b> 2. 174 IPC	
	<b>★</b> 3. 176 IPC	
	<b>★</b> 4. 176 CrPC	
		Question ID : <b>310578371</b>
Q.7	Which of the following is a type of ballistics evidence	
Ans	X 1. Blood	
	<b>X</b> 2. Drug	
	X 4. Hair	
		Question ID : 310578378
Q.8	The component of a computer that connects the processor to tknown as	he other hardware is
Ans	X 1. Printer	
	✓ 2. Motherboard	
	X 3. Mouse	
	★ 4. Keyboard	
		Question ID : <b>310578394</b>
Q.9	Causing hurt by means of poison, etc., with intent to commit as under	s offence is covered
Ans	X 1. Section 228 in the India Penal Code	
	★ 2. Section 528 in the India Penal Code	
	X 4. Section 428 in the India Penal Code	
		Question ID : 310578408
		Quodusti ID . VIVVI 0700

# Q.10 Crime Scene Investigation doesn't involves X 1. Sketches X 2. Photography 3. Exhibits opening X 4. Notes Question ID: 310578379 Q.11 Choose the different word Ans X 1. Lizard X 2. Snake X 3. Crocodile √ 4. Frog Question ID: 310578366 Q.12 Measurement close to a True value is known as Ans X 1. Error X 2. Precise 3. Accurate X 4. Average Question ID: 310578399 Q.13 Which of the following state/UT doestn't have a CFSL Ans X 1. Assam X 2. Chandigarh X 3. West Bengal 4. Gujarat Question ID: 310578374 Q.14 Corroborative Evidence Ans X 1. Refutes other evidence X 2. Links an individual with a particular location X 3. Associates an individual with another individual 4. Supports other evidence Question ID: 310578377 Q.15 Calvin Hooker Goddard was a forensic scientist best-known for his contribution in Ans X 1. DNA Forensic 2. Forensic Ballistics 3. Forensic Anthropology X 4. Forensic Toxicology Question ID: 310578376

### Q.16 The Headquarters of NABL secretariat is situated at X 1. Kolkata X 2. Bangaluru X 3. Chennai 4. Gurugram Question ID: 310578382 Q.17 Select correct word Ans X 1. Aceleration 2. Acceleration X 3. Accelaration X 4. Aceeleration Question ID: 310578364 Q.18 Find the missing term: 125, 250, ???, 400 Ans X 1. 275 **2**. 375 **X** 3. 100 **X** 4. 200 Question ID: 310578368 Q.19 Opinions of "Experts" falls under ✓ 1. Section 45 in the India Evidence Act, 1872 X 2. Section 46 in the India Evidence Act, 1872 X 3. Section 44 in the India Evidence Act, 1872 X 4. Section 47 in the India Evidence Act, 1872 Question ID: 310578407 Q.20 The laboratory accreditation services to testing and calibration laboratories are provided in accordance with √ 1. ISO/IEC 17025 Ans X 2. ISO/IEC 17024 X 3. ISO/IEC 17023 X 4. ISO/IEC 17026 Question ID: 310578387 Q.21 In Thin layer chromatography the mobile phase is 1. Liquid Ans X 2. Gel X 3. Gas X 4. Solid Question ID: 310578393

Q.22	Mirror is to Reflection as Water is to	
Ans	★ 1. Conduction	
	✓ 2. Refraction	
	X 3. Dispersion	
	X 4. Immersion	
		Question ID : 310578370
		Question ID : 310376370
Q.23	RFSL Stands for	
Ans	★ 1. Road Forensic Science Laboratory	
	★ 2. Railway forensic Science Laboratory	
	★ 3. Rapid Forensic Science Laboratory	
	4. Regional forensic Science Laboratory	
		Question ID : 310578373
	If, Bird: Wings, choose correct relationship of the following pairs	
Ans	X 1. Dog: Lungs	
	X 2. Pen: Paper	
	✓ 3. Car: Wheel	
	X 4. Whale: Water	
		Question ID : 310578369
Ans	CAB shall apply for renewal of accreditation of NABL at least the expiry of the validity of accreditation.  X 1. 12 months  2. 6 months  X 3. 9 months	
	X 4. 3 months	Question ID : <b>310578386</b>
Q.26 Ans	The patient was cured Malaria.	
	× 2. From	
	<b>✓</b> 3. Of	
	× 4. Through	
		Question ID : <b>310578365</b>
Q.27	Meaning of Standard deviation is	
Ans	★ 1. How near are the data points from the mean	
	★ 2. How far are the data points form the range	
	★ 3. How near are the data points from the range	
	✓ 4. How far are the data points form the mean	
		Question ID : 310578406
		Question is . 010010400

#### Q.28 CAB in NABL accreditation stands for X 1. Controlling Auditory Body X 2. Controlling Assessment Body 3. Conformity Assessment Body 4. Conformity Auditory Body Question ID: 310578385 Q.29 Which of the following Indian state does not share its border with Myanmar X 1. Manipur Ans X 2. Nagaland X 4. Arunachal Pradesh Question ID: 310578363 Q.30 Fingerprints examination is also termed as X 1. Trichology Ans 2. Dactyloscopy X 3. Entomology X 4. Palynology Question ID: 310578381 Q.31 The Daubert test required that the trail judge make the determination based on one of the following factors X 1. The science must be rigorous X 2. The science must be social X 3. The science mu be hypothetical 4. The science must be valid Question ID: 310578409 Q.32 Who won Bronze medal in Badminton in Tokyo Olympics 2020 X 1. Neeraj Chopra Ans 2. P.V. Sindhu 💢 3. Ravi Kumar 🗙 4. Bajrangpunia Question ID: 310578362 Q.33 APLAC stands for ✓ 1. Asia Pacific Laboratory Accreditation Cooperation X 2. America pacific Laboratory Audit Cooperation X 3. America Pacific Laboratory Accreditation Cooperation X 4. Asia Pacific Laboratory Audit cooperation Question ID: 310578383

Q.34	NABL accreditation system is established in accordance with	
Ans	✓ 1. ISO/IEC 17011	
	<b>★</b> 2. ISO/IEC 17013	
	<b>★</b> 3. ISO/IEC 17012	
	<b>★</b> 4. ISO/IEC 17014	
		Question ID : 310578390
Q.35 Ans	Which microscope is used for comparing bullets  1. Phase contrasts microscope	
7110	✓ 2. Comparison microscope	
	X 3. Polarized microscope	
	★ 4. Compound microscope	
		Question ID : 310578398
	A parameter is a measure which is computed from	
Ans	X 1. Test statistics	
	★ 2. Sample data	
	✓ 3. Population data	
	★ 4. Analyzed data	
		Question ID : <b>310578401</b>
Ans	<ul><li>★ 1. Knowledge</li><li>★ 2. Behavior</li><li>★ 3. Physique</li></ul>	
	X 4. Judgment  1. Judgment  2. Judgment  3. Judgment  4. Judgment  4. Judgment  4. Judgment  4. Judgment  5. Judgment  6. Judgment  6	
		Question ID : 310578410
	What is "Mean" of the 1,3,5,7,9	
Ans	<b>X</b> 1.9	
	<b>★</b> 2. 3	
	<b>★</b> 3. 7	
	<b>✓</b> 4. 5	
		Question ID : 310578402
Q.39	Probability in mathematics means	
Ans	✓ 1. The chance that the given event will occur	
	★ 2. The chance that the given event will not occur	
	✗ 3. Average of the total number	
	★ 4. Standard error of the given data set	
		Question ID : 310578403
		Question ID . 3105/8403

Q.40	A pre-assessment visit of the CAB is organized byNABL.	
Ans	X 1. Lead Director	
	X 2. Lead Observer	
	✓ 3. Lead Assessor	
	X 4. Lead Technician	
		Question ID : <b>310578384</b>
Q.41	Which of the following is related with NABL accreditation	
Ans	★ 1. Profile Testing	
	2. Proficiency Testing	
	X 3. Program Testing	
	X 4. Proper Testing	
		Oversition ID - 040F70000
		Question ID : <b>310578389</b>
Q.42	Deepak walks 20 km towards North. He turns left and walks 40 and walks 20 km. Finally he moves 20 km after turning to the le his starting position ?	
	✓ 1. 20 km	
Ans		
Ans	<b>★</b> 2. 40 km	
Ans	<ul><li>X 2. 40 km</li><li>X 3. 10 km</li></ul>	
Ans		
Ans	<b>★</b> 3. 10 km	0 11 10 04077007
Ans	<b>★</b> 3. 10 km	Question ID : <b>310578367</b>
	<b>★</b> 3. 10 km	
	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the s	
Q.43	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the called	
Q.43	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the scalled X 1. Standard deviation	
Q.43	<ul> <li>X 3. 10 km</li> <li>X 4. 30 km</li> <li>Difference between the maximum and minimum values of the scalled</li> <li>X 1. Standard deviation</li> <li>✓ 2. Range</li> </ul>	
Q.43	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the called X 1. Standard deviation 2. Range X 3. Degree of freedom	given observation is
Q.43	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the called X 1. Standard deviation 2. Range X 3. Degree of freedom	
Q.43 Ans	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the called X 1. Standard deviation 2. Range X 3. Degree of freedom X 4. Average  Random sampling is also known as	given observation is
Q.43 Ans	<ul> <li>X 3. 10 km</li> <li>X 4. 30 km</li> <li>Difference between the maximum and minimum values of the called</li> <li>X 1. Standard deviation</li> <li>✓ 2. Range</li> <li>X 3. Degree of freedom</li> <li>X 4. Average</li> </ul> Random sampling is also known as <ul> <li>X 1. Proper sampling</li> </ul>	given observation is
Q.43 Ans	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the called X 1. Standard deviation 2. Range X 3. Degree of freedom X 4. Average  Random sampling is also known as X 1. Proper sampling X 2. Precision sampling	given observation is
Q.43 Ans	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the scalled X 1. Standard deviation 2. Range X 3. Degree of freedom X 4. Average  Random sampling is also known as X 1. Proper sampling X 2. Precision sampling X 3. Population sampling	given observation is
Q.43 Ans	X 3. 10 km X 4. 30 km  Difference between the maximum and minimum values of the called X 1. Standard deviation 2. Range X 3. Degree of freedom X 4. Average  Random sampling is also known as X 1. Proper sampling X 2. Precision sampling	given observation is

#### Q.45 BIS stands for 1. Bureau of Indian Standards X 2. Bureau of Internal Standards X 3. Bureau of International Standards X 4. Bureau of Innovation Standards Question ID: 310578388 Q.46 Which of the following is an output device of a computer X 1. Joy stick Ans 2. Printer X 3. Mouse X 4. Keyboard Question ID: 310578395 Q.47 Who invented Chromatography X 1. Mikhail Kalashnikov 2. Mikhail Baryshnikov X 3. Mikhail Hendricks 4. Mikhail Tsvet Question ID: 310578391 Q.48 Which of the following terms is not related with handwriting identification in legal cases. X 1. Line quality Ans 2. Trail X 3. Spacing X 4. Hiatus Question ID: 310578397 Q.49 ICP-MS stands for X 1. Inductively Collected Plasma Mass Spectrometry X 2. Inductively Cooled Plasma Mass Spectrometry 3. Inductively Coupled Plasma Mass Spectrometry ¥ 4. Inductively Conducted Plasma Mass Spectrometry Question ID: 310578392 Q.50 Sampling in any population study is conducted because it is X 1. Expensive Ans X 2. Difficult X 3. Biased 4. Time – efficient Question ID: 310578400

Section: Forensic Chemical Sciences Q.51 Lead in petroleum is detected by X 1. GC-MS X 2. NMR X 3. HPLC 4. NAA Question ID: 310578429 Q.52 Which of the following opium alkaloid is used in a cough syrup X 1. Narcotine X 2. Morphine 3. Codeine X 4. Thebaine Question ID: 310578479 Q.53 Photomultiplier tube is NOT suitable for detection of 1. IR photons X 2. UV photons X 3. Fluorescence X 4. Visible photons Question ID: 310578450 Q.54 Proof spirit is a mixture of alcohol and water, with combination of X 1. 30% alcohol by volume X 2. 37% alcohol by volume 3. 57% alcohol by volume X 4. 47% alcohol by volume Question ID: 310578413 Q.55 Which of the following are the antidotes in case of methanol poisoning? X 1. Atropine Ans 2. Fomepizole X 3. Hydroxy cobalamine ¥ 4. N-acetylcysteine Question ID: 310578439 Q.56 Wall scrappings can be used as a first aid remedy in poisoning by: X 1. Salicylic acid X 2. Hydrochloric acid 3. Oxalic acid X 4. Carbolic acid Question ID: 310578466

Q.57	Viscosity can be identify by:	
Ans	★ 1. Pycnometer	
	★ 2. Hygrometer	
	★ 3. Osmometer	
	✓ 4. Rheometer	
		Question ID : 310578423
	Aluminium Phosphide can be test by:	
Ans	X 1. Scott test	
	X 2. Reinsch test	
	3. Gutzeit test	
	X 4. Negm test	
		Question ID : <b>310578477</b>
O 59	Which is used as antiknocking agent?	
Ans	1. Tetra ethyl lead	
	X 2. CMT	
	X 3. None of these	
	✓ 4. Both a and b	
	n. Both a difa b	
		Question ID : 310578422
Q.60	Phenolphthalein is	
Ans	★ 1. Carcinogenic	
	X 2. Indicator	
	X 3. Laxative	
	✓ 4. Both b and c	
		Question ID : <b>310578456</b>
		Question is . 910070400
Q.61 Ans	Mass fragments m/z 303, 272, 182, 22 are commonly observed in 1. Buprenorphine	
7,110	✓ 2. Cocaine	
	X 3. Ephedrine	
	X 4. Diamorphine	
		Question ID : 310578435
Q.62	Dille-koppanyi is specific test for the detection of	
Ans	★ 1. Phenothiazines	
	2. Barbiturates	
	X 3. Benzodiazepines	
	★ 4. Cannabinoids	

Q.63	Dimercaprol is useful in the treatment of poisoning by:	
Ans	★ 1. Mercury	
	✓ 2. Lead	
	X 3. Cyanide	
	X 4. Phosphorus	
		Question ID : 310578463
Q.64	Dicobalt acetate is drug of choice in the treatment of poisoning b	y:
Ans	✓ 1. Cyanide	
	★ 2. Mercury	
	★ 3. Aluminium phosphide	
	X 4. Lead  ✓ 4. Lead	
		Question ID : <b>310578473</b>
Q.65	Idukki gold name given to	
Ans	★ 1. Opium	
	✓ 2. Cannabis	
	★ 3. Coca	
	★ 4. Peyote	
		Question ID : 310578476
Q.66	Synergic effect is observed in following	
Ans	★ 1. Alcohol and promethazine	
	★ 2. Alcohol and cocaine	
	★ 3. Alcohol and flunitrazepam	
	4. Alcohol and phenobarbitone	
		Question ID : 310578458
Q.67	Which of the following is the metabolite of Diazepam A. Alprazolam B. Oxazepam C. Lorazepam D. Temazepam Choose the correct answer from the options given below:	
Ans	X 1. A and B	
	★ 2. C and D	
	X 4. A and D	
		Question ID : 310578448

2.68	What percentage of alcohol is absorbed through the stomach of the blood system?	walls into the portal vein
Ans	<b>✓</b> 1. 20%	
	<b>×</b> 2. 30%	
	<b>X</b> 3. 40%	
	<b>×</b> 4. 10%	
		Question ID : <b>310578425</b>
2.69	Which among the following is most potent opiate	
Ans	✓ 1. Fentantyl	
	X 2. Herion	
	X 3. Morphine	
	<b>★</b> 4. MDMA	
		Question ID : 310578415
	COTPA act was framed and executed in the year  1. 2001	
Ans		
	× 2. 2002	
	<b>√</b> 3. 2003	
	<b>★</b> 4. 2004	
		Question ID : 310578421
Q.71	In case of acute CO poisoning, coma and death with lively red carboxy haemoglobin level of:	colour occur at the
Ans	X 1. 10-30%	
	<b>X</b> 2. 40-50%	
	<b>X</b> 3. 30-40%	
	<b>✓</b> 4. 50-60%	
	·	
		Question ID : <b>310578459</b>
Q.72	In gas chromatography technique which of the following gase:	s is NOT suitable ?
Ans	X 1. Argon	
	✓ 2. Helium	
	X 3. Oxygen	
	★ 4. Nitrogen	
		Question ID: 310578449

Q.73	In which one of the following types of liquid chromatography, immois used as a stationary phase?	bilized biochemical
Ans	✓ 1. Affinity chromatography	
	X 2. Exclusion chromatography	
	X 3. Gel permeation chromatography	
	★ 4. Ion exchange chromatography	
		Question ID : <b>310578440</b>
Q.74 Ans	Pseudoephedrine and ephedrine are:  1. Enantiomers	
AllS	✓ 2. Diastereomers	
	X 3. Conjugates	
	× 4. Tautomers	
	4. Iddonore	
		Question ID : <b>310578419</b>
	Maximum diaphoretic action can be seen with:	
Ans	X 1. Alcohol	
	2. Piocarpine	
	X 3. Paracetamol	
	X 4. Salicylates	
		Question ID : 310578465
	<ul><li>X 2. Rabbit</li><li>✓ 3. Cat</li><li>X 4. Guinea pig</li></ul>	
		Question ID : <b>310578461</b>
Q.77 Ans	Subsonic explosions are created by low explosives through a proce	ess known as.
	X 2. Sonic explosion	
	3. Deflagration	
	X 4. Detonations	
		Question ID : 310578432
Q.78 Ans	Which one is not prepared from grape ?  ★ 1. Wine	
	★ 2. Sherry	
	X 3. Cognac	
	✓ 4. Whisky	
		Question ID : 310578417
		Question D . 3103/641/

	Which of the following is NOT a limitation of beer lambert's Law, wirelation between absorption, thickness and concentration on	nich gives the
Ans	✓ 1. Radiation must have higher bandwidth	
	★ 2. Concentration must be lower	
	X 3. Does not consider factors other than thickness and concentration	1
	★ 4. Radiation source must be monochromatic	
		Question ID : <b>310578437</b>
Q.80	Which is not an example of primary high explosive ?	
Ans	X 1. Mercury fulminate	
	<b>✓</b> 2. RDX	
	X 3. Lead azide	
	X 4. None of these	
		Question ID : 310578434
Q.81 Ans	Which of the following explosives was first prepared for medicinal	use in 1899 ?
	× 2. HMX	
	X 3. PETN	
	X 4. ANFO	
		Question ID : 310578446
Q.82 Ans	Half-life of archaeological objects can be determined by  1. XRF  2. ICP-AES	
	√ 3. NAA	
	X 4. ICP-MS	
		Question ID : 310578451
Q.83	QuEChERS method is employed for extraction of	
Ans	★ 1. Acid residue	
	X 2. Drug residue	
	X 4. Hydrocarbon	
		Question ID : 310578436
Q.84 Ans	Smell of bitter almonds is present in poisoning by:  1. Oxalic acid	
	× 2. Phosphorus	
	✓ 3. Prussic acid	
	X 4. Arsenic	

	An average red blood cell contains about molecules of	f hemoglobin
Ans	★ 1. Approx. 13 trillion	
	✓ 2. Approx. 270 million	
	★ 3. Approx. 800 billion	
	★ 4. Approx 740 thousand	
		Question ID : <b>310578424</b>
Q.86	Alkalinisation of urine is indicated in poisoning by:	
Ans	✓ 1. Salicylates	
	★ 2. Organophosphates	
	X 3. Opiates	
	★ 4. Amphetamines	
		Question ID : <b>310578464</b>
Q.87 Ans	Supersonic explosions created by high explosives are known as,  1. Brisance	
Alla	× 2. Deflagration	
	X 3. Sonic explosion	
	✓ 4. Detonations	
		Question ID : 310578428
Q.88	TNT is common street name of	
Ans	X 1. Methadone	
	× 2. Pethidine	
	★ 3. Designer amphetamine	
	✓ 4. Designer fentanyl	
		Question ID : <b>310578430</b>
	Zimmerman test is for specific identification of	
Ans	X 1. Crack	
	× 2. Cathine	
	X 4. Cannabis	
		Question ID : 310578455
	"Run amok" condition may be seen in chronic poisoning by:	
Ans	X 1. Cocaine	
	× 2. Opium	
	X 4. Dhatura	
		Question ID : <b>310578468</b>
		UUESIION IIJ: 3105/8468

Ans	✓ 1. Illicit liquor	
	X 2. For all of these	
	X 3. Distilled liquor	
	X 4. Undistilled liquor	
		Question ID : <b>310578411</b>
O 92	Red colored tears may be seen in acute poisoning by:	
Ans	1. Heroin	
	✓ 2. Organophosphorus	
	X 3. Dhatura	
	X 4. Cocaine	
	4. 555am5	
		Question ID : 310578469
Q.93	Which of the following are advantages of solid- phase extraction ov	er liquid extraction
	? A. Small sample size	
	B. High solvent consumption C. Emulsion formation	
	D. High extraction efficiency	
	•	
	Choose the correct answer from the options given below:	
	Choose the correct answer from the options given below:  1. A and B	
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D	
	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C	
	Choose the correct answer from the options given below:  1. A and B  2. A and D	
	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C	Question ID : 240579442
	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C	Question ID : <b>310578443</b>
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C	Question ID : <b>310578443</b>
Ans Q.94	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D	Question ID : <b>310578443</b>
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:	Question ID : <b>310578443</b>
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication	Question ID : <b>310578443</b>
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication	Question ID : <b>310578443</b>
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication  3. Tobacco intoxication	Question ID : <b>310578443</b>
Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication  3. Tobacco intoxication	Question ID : 310578443  Question ID : 310578460
Q.94 Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication  3. Tobacco intoxication  4. Cannabis intoxication	Question ID : <b>310578460</b>
Q.94 Ans	Choose the correct answer from the options given below:  X 1. A and B  X 2. A and D  X 3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  X 2. Cocaine intoxication  X 3. Tobacco intoxication  X 4. Cannabis intoxication  Which one of the following cannot be conserved during Raman Sca	Question ID : <b>310578460</b>
Q.94 Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication  3. Tobacco intoxication  4. Cannabis intoxication  Which one of the following cannot be conserved during Raman Sca  1. Kinetic energy	Question ID : <b>310578460</b>
Q.94 Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication  3. Tobacco intoxication  4. Cannabis intoxication  Which one of the following cannot be conserved during Raman Sca  1. Kinetic energy  2. Electronic energy	Question ID : <b>310578460</b>
Q.94 Ans	Choose the correct answer from the options given below:  X 1. A and B  X 2. A and D  X 3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  X 2. Cocaine intoxication  X 3. Tobacco intoxication  X 4. Cannabis intoxication  Which one of the following cannot be conserved during Raman Sca  1. Kinetic energy  X 2. Electronic energy  X 3. Total Energy	Question ID : <b>310578460</b>
Q.94 Ans	Choose the correct answer from the options given below:  1. A and B  2. A and D  3. B and C  4. C and D  Pathological jealousy is diagnostic of:  1. Alcoholic intoxication  2. Cocaine intoxication  3. Tobacco intoxication  4. Cannabis intoxication  Which one of the following cannot be conserved during Raman Sca  1. Kinetic energy  2. Electronic energy	Question ID : 310578460
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#### Q.96 Flash point measured in X 1. Thermometer X 2. Barometer X 3. None of these 4. Abel's apparatus Question ID: 310578420 Q.97 Is not an example of designer drug X 1. JWH-018 X 2. Bath salt X 4. Ectasy Question ID: 310578427 Q.98 The average rate of alcohol elimination in breath per hour is X 1. 6.5 µg/dl Ans × 2. 25 μg/dl X 3. 20 µg/dl 4. 15 μg/dl Question ID: 310578452 Q.99 Universal antidote contains: X 1. Charcoal, Potassium permanganate and Tannic acid 2. Magnesium Oxide, Charcoal and Tannic acid X 3. Magnesium oxide, Charcoal and Potassium Permanganate X 4. Potassium permanganate, Magnesium oxide and Tannic acid Question ID: 310578462 Q.100 The ratio of alcohol in the blood to alcohol in alveoli air is approximately Ans **1.** 2100:1 X 2. 1:2100 **X** 3. 1:2500 **X** 4. 2500:1 Question ID: 310578431 Q.101 The minimum temperature at which equal, volume of a hydrocarbon is perfectly miscible with same amount of the compound (C<sub>6</sub>H<sub>5</sub>NH<sub>2</sub>) is know as X 1. Mixing point Ans X 2. Flash point 3. Aniline point X 4. None of these Question ID: 310578426

Q.102	Pesticide in biological tissue can be extracted and isolated by:	
Ans	★ 1. Digestion and LLE	
	X 2. None of these	
	★ 3. Filtration and LLE	
	✓ 4. Distillation and LLE	
		Question ID : 310578416
Q.103	When ethanol is used as an additive to motor fuels to act as a fuel	for internal
	combustion of engines, it is called	
Ans	√ 1. Power alcohol	
	X 2. Denatured spirit	
	X 3. Rectified spirit	
	★ 4. Proof spirit	
		Question ID : 310578412
Q.104	The shock and noise produced during explosion is called	
Ans	★ 1. Sonic explosion	
	X 2. Deflagration	
	X 4. Detonations	
		0 11 10 24257242
		Question ID : <b>310578433</b>
Q.105	lodoform test is given by	
Ans	★ 1. Formaldehyde	
	× 2. Formic acid	
	X 3. Methanol	
	✓ 4. Ethanol	
		Question ID : <b>310578414</b>
Q.106	Pheromones are	
Ans	1. Enzymes	
	X 2. Proteins	
	X 4. Venoms	
		Question ID : 310578474
O 107		
Q. 107	Sampling techniques used in FT-IP	
Ans	Sampling techniques used in FT-IR  1. All of these	
Ans		
Ans	<ul><li>✓ 1. All of these</li><li>X 2. Nuzol Mull</li></ul>	
Ans	<ul><li>✓ 1. All of these</li><li>X 2. Nuzol Mull</li><li>X 3. Calcium fluoride cell</li></ul>	
Ans	<ul><li>✓ 1. All of these</li><li>X 2. Nuzol Mull</li></ul>	

# Q.108 Muttering delirium is seen in poisoning by: Ans X 1. Organophosphates X 2. Charas 3. Dhatura 💢 4. Bhang Question ID: 310578467 Q.109 Which type of neutron is most suitable for NAA technique? X 1. Very low energy neutron 2. Thermal neutron X 3. High energy neutron X 4. Cold neutron Question ID: 310578454 Q.110 The drug which was gazette notified has scheduled drug in India in April 2018 X 1. Mescaline 2. Pseudoephedrine 3. Tramadol X 4. Fentanyl Question ID: 310578470 Q.111 The process of sublimation is used in Ans X 1. HPLC X 2. None of these 3. Pyrolysis GC X 4. TLC and HPTLC Question ID: 310578480 Q.112 Hypostasis is cherry-red in colour, in poisoning with: 1. Carbon monoxide X 2. Hydrogen sulphide X 3. Aniline X 4. Phosphorus Question ID: 310578472 Q.113 Which one of the following statements is NOT true about mass spectrometer? X 1. It is suitable for library retrival 2. Impurities of masses different from the target component interfere X 3. It has great sensitivity X 4. It is suitable for data storage Question ID: 310578441

Q.114	If copper or Iron present in alcohol as impurities, then und HNO3 and Potassium ferrocyanide it gives	of the finitedness of solits.
Ans	★ 1. Pink and Blue color	
	✓ 2. Chocolate and Blue color	
	✗ 3. Green and Purple Color	
	★ 4. Red and Blue color	
		Question ID : 310578418
Q.115	The modern breath alcohol instrument is based on which o	of the following technologies
Ans	? X 1. Fluorescence spectroscopy	
	✓ 2. Infrared spectroscopy	
	X 3. NMR spectroscopy	
	★ 4. Emission spectroscopy	
		Question ID : 310578453
	Diphenyl amine test can be used to detect which one of the	e following ?
Ans		
	X 2. Carbolic	
	X 4. Sulphuric	
		Question ID : 310578445
Q.117	Which of the following are correct regarding the addition of during the extraction of drug from biomatrix?  A. IS should mimic the physicochemical properties of the of B. IS should react with target drug  C. IS should not react with target drug  D. IS should make the method less sensitive  Choose the correct answer from the options given below:	
Ans	✓ 1. A and C only	
	★ 2. A and B only	
	X 3. C And D only	
	★ 4. B and D only	
		Question ID : 310578444
Q.118 Ans	An explosion during a fire due to the mixing of fresh air in inflammable volatile pyrolysis products & low oxygen, is k	
	★ 2. Dropdown	
	X 3. Flameover	
	✓ 4. Flashback	
		Question ID : 310578442

Q.119	Mark the poison that acts on the heart	
Ans	★ 1. Potassium cyanide	
	✓ 2. Oleander	
	X 3. Phosphorous	
	X 4. Amphetamine	
		Question ID : <b>310578478</b>
	MAcEwen's sign is a manifestation of massive intake of:	:
	MAcEwen's sign is a manifestation of massive intake of:   ✓ 1. Ethanol  ✓ 2. Atropine	:
Q.120 Ans	✓ 1. Ethanol	:
	<ul><li>✓ 1. Ethanol</li><li>X 2. Atropine</li></ul>	: