used for Jumbling

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Printed Pages: 13 Total No. of

Sr. No.

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Ph.D./URS-EE-Jan-2022

SUBJECT: Forensic Science

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SET-X

Time: 11/4 Hours Roll No. (in figures)	Max. Marks : 100 (in words)	Total Questions : 100
Name	Father's Name	
Mother's Name	Date of Examination	
(O) (Alba Candidata)	_	(Signature of the Invigilator)

(Signature of the Candidate)

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1.	In Latin, the term "Forensic" means:	
	(1) After the forum	(2) Belonging to the forum
	(3) Beside the forum	(4) For the forum
2.	Forensic science laboratories are acci	redited by:
	(1) NAAC	(2) NABL
	(3) CSIR	(4) BARC
3.	IPC is:	
	(1) Procedure for investigation	(2) Code for punishment
	(3) Both (1) and (2)	(4) None of the above
4.	The DNA evidence database is called	· Section into Co.
	(1) CODIS	(2) CODNA
	(3) CCDNA AND AND SUBSTITUTE TO	(4) CODIA
5.	The fingerprint evidence database is o	called:
	(1) FIA	(2) AFES
	(3) AAES	(4) AFIS
6.	Trichology is the study of:	
	(1) Hair	(2) Lips
	(3) Skin	(4) Nails
7.	Who invented the DNA fingerprinting	g technique ?
	(1) Kary Mullis	(2) Henry Faulds
	(3) Alec Jeffreys	(4) Calvin Goddard
8.	The Federal Bureau of Investigation (FBI) was established in:
	(1) 1905	(2) 1906
	(3) 1907	(4) 1908

9.	Who first devised a system of personneasurements?	sonal identification using a series of body
	(1) Alphonse Bertillon	(2) Hans Gross
	(3) Edmond Locard	(4) Henry Faulds
10.	The comparison microscope became a through the efforts of:	an indispensable tool of firearm examination
	(1) Hans Gross	(2) Calvin Goddard
	(3) Paul Kirk	(4) Edmond Locard
11.	GEQD (Government Examiner of Quest	tioned Documents)was first established at:
	(1) 1906,Calcutta	(2) 1906,Shimla
	(3) 1906,Delhi	(4) 1906, Chandigarh
12.	Which of the following is <i>not</i> a type of	cyber-crime?
	(1) Hacking and tracking	
	(3) Data theft	(4) Forgery
13.	Forgery has been defined in the section	
	(1) 464-IPC	(2) 463-IPC
	(3) 462-IPC	(4) 127-IEA
14.	The security thread of currency notes is	made up of:
	(1) Aluminium	(2) Silver
	(3) Gold	(4) Copper
15.	In handwriting examination, a short init	ial or terminal stroke is:
	(1) Embellishment	(2) Hiatus
	(3) Spur	(4) Connecting stroke
16.	The study of fingerprints is known as:	
	(1) Entomology	(2) Dactyloscopy
	(3) Onychology	(4) Palynology

body 17. Which of the following is the most common fingerprint pattern: (2) Loops (1) Whorls (4) Arches (3) Composites 18. Iodine fuming method works best for fingerprints on: (2) Wood (1) Paper nation (4) Foot (3) Plastic 19. Latent fingerprints are: (1) The fingerprints which are visible to the naked eye (2) The fingerprints which are not visible to the naked eye (3) The fingerprints made with the ink (4) The fingerprints on pliable surfaces 20. When a person tries to reproduce the writing as perfectly as possible of another person, then the writing is known as? (2) Anonymous writing (1) Disguised writing (4) Imitated writing (3) Secret Writing 21. In gas chromatography technique, which of the following carrier gases is not suitable? (2) Oxygen (1) Nitrogen (3) Helium (4) Argon 22. NMR stands for: (2) Normal Magnetic Resonance (1) Nuclear Magnetic Resonance (4) Non Magnetic Resonance (3) Nuclei Magnetic Resonance 23. The first chromatographic technique was invented by : (2) J Martin (1) M Tswett (4) A Doglas (3) S Synge 24. Which of the following can not be determined by using radioimmunoassay? (2) Antigens (1) Drugs (4) Metals ions (3) Toxicants The word "Chroma" means: (1) To write (2) To draw

(4) Color

(3) Pigments

(4) None

(1) Beads

(3) Propene

PHD/URS-EE-2022/(Forensic Sci.)(SET-X)/(A)

A

34

lumns

34.	SVSA is:	
	(1) Saliva vesicle specific antigen	(2) Seminal vesicle specific antigen
	(3) Seminal viscous specific antigen	(4) Saliva vesicle specific antibody
35.	The chemical name of end product of To	eichmann test is:
	(1) Ferriprotoporphyrin chloride	(2) Ferroprotoporphyrin chloride
	(3) Ferrous chloride	(4) Pyridine ferroprotoporphyrin
36.	Red blood cells are produced in:	
	(1) Bone marrow	(2) Spleen
	(3) Liver	(4) Heart
37.	What is LDH (Lactate Dehydrogenase)	a marker of :
	(1) Regulate amount of water in the boo	
	(2) Cell and tissue damage in the body	
	(3) Overactivity	The matthews are amores and the second
	(4) Osmolarity of the urine	
38.	Barberio's test serves the purpose of ide	ntification of:
	(1) Choline	(2) Creatinine
	(3) Spermine	(4) Lecithine
39.	ABO blood group was discovered by:	
	(1) Karl Landsteiner,1911	(2) Leone Lattes, 1911
	(3) Dacatello and Sturli, 1900	(4) Von Dungem and Hirezfeld, 1900
40.	Type A blood group have which of the (Ab):	ne following set of antigen (Ag) and antibody
	(1) B-Ag, b-Ab ; ;	(2) A-Ag, a-Ab
	(3) A-Ag, b-Ab	(4) A-Ag, no Ab
41.	Plasma consists of:	
-	(1) Water	(2) Proteins
	(3) Blood cells	(4) All of the above
42.	Which of the following is used to test th	ne presence of semen ?
	(1) Acid Phosphatase	(2) TMB
	(3) Luminol	(4) Flurorocin

43.	Nitrites in the saliva are detected by: (1) Takayama test (3) Rhions test	(2) Griess test (4) Both (1) and (3)
44.	Dried blood stain should be packed in: (1) Paper Bag (3) Glass Jar	(2) Plastic Bag(4) None of the above
45.	PSA (Prostate Specific Antigen) is a mo (1) Kallikrein (3) Spermine	(2) Flavine(4) None of the above
46.	The complimentary base pairs among for (1) A=G AND T=C (3) A=T AND G=C	our nucleotides (A,T,C,G) are as: (2) A=C AND G=T (4) All of the above
47.	Oligospermia is a condition of: (1) Absence of live spermatozoa in ser (2) Low sperm count (3) Presence of live spermatozoa in ser (4) No sperm in seminal fluid	
48.	Phadebas test is a common presumptiv (1) Semen, Acid Phosphatase (3) Saliva, α-amylase	(2) Semen, PSA (4) Urine, Creatinine
49.	The red coloured compound formed du (1) Creatinine Picrate (3) Urea	(2) Ammonia (4) None of the above
50.	child will be (1) A, B	(2) O, A (4) O, A, B, AB.
51.	When alcohol is burned, the flame is a (1) Red (3) Blue	of which colour among the following? (2) Yellow-orange (4) Blue -orange

52.	What is not considered a part of fire tria	ngle?
	(1) Heat	(2) Oxygen anduant (b)
	(3) Combustion	(4) Fuel ship and plantage (4)
53.	The lowest temperature at which a liquid	d fuel produces enough vapor to burn is the?
	(1) Flame temperature	(2) Flash point
	(3) Ignition temperature	(4) Origin point .
54.	Which of the following is used to color	motor gasoline ?
		(2) Erythrosine
	(3) Phenyl-azo-2- napthol	(4) Anthraquinone
55.	The chemical breakdown of a solid mate	erial to gaseous products is called:
	(1) Oxidation	(2) Reduction
	(3) Pyrolysis	(4) None of the mentioned
56.	The material obtained after poppy st concentration of its alkaloids is called:	raw has been subjected to a process for the
	(1) Poppy straw	(2) Poppy straw concentrate
	(3) Both (1) and (2)	(4) None of these
57.	Cannabis resin is also known as:	
	(1) Bhang	(2) Ganja
	(3) Charas	(4) Cocaine
58.	Which day is marked as International by UNODC (The United Nations Office	Day against Drug Abuse and Illicit drug trends e on Drugs and Crime)?
	(1) 9, December	(2) 26, June
	(3) 26, December	(4) 9, June
59.	Theme for International Day against Dr	ug abuse and Illicit Trafficking 2020 was?
	(1) Better Knowledge for Better Care	
		the same coin when it comes to addressing drug
		and youth is the first step to help them grow
	(4) None of these	
	THE STA (6)	

80.	Which drug is most commonly used	by sportsmen for doping?	
	(1) Insulin	(2) Cannabinoids	
	(3) Anabolic steroids	(4) Opioids	
61.	Alfred Nobel discovered:		
	(1) Dynamite	(2) GSR	
	(3) RDX	(4) Black Powder	
62.	TNT stands for and a type of	of:	
	(1) Tri nitro toluene, Primary High Explosive		
	(2) Tri nitro toluene, Secondary High Explosive		
	(3) Tetra Nitro Toluene, Low Explo		
	(4) Tri nitrite toluene, Primary Expl	osive	
63.	The Modified Griess test is specification.	Fic for determination of in gun powde	
	(1) Nitrate	(2) Nitrite	
	(3) Antimony	(4) Barium	
64.	The barrel and breech block are lock in which of the following actions:	ted together for the full distance of the recoil stroke	
	(1) Short recoil	(2) Long recoil	
	(3) Pump action	(4) Slide action	
65.	Rifling marks on fired bullet are of f	ollowing type :	
	(1) Integrated marks	(2) Striation marks	
	(3) Cut marks	(4) Compression marks	
66.	Gun cotton is another name of:		
	(1) Nitroglycerine	(2) Nitrocellulose	
	(3) Gun Powder	(4) GSR	
67.	$C = w/id^2$ is used to calculate the :		
	(1) The Ballistic Coefficient	(2) Muzzle velocity	
	(3) Range	(4) Angle of fall	
68.	Zip gun is a:		
	(1) Improvised firearm	(2) 12 bore gun	
	(3) Automatic gun	(4) AK-47	
PHD/U	JRS-EE-2022/(Forensic Sci.)(SET-X)/(A)	

69.	PETN+ RDX is a composition of which	of th	ne following military explosive:	
	(1) Semetex	(2)	Octol	
	(3) Pentilite	(4)	Tetrytol	
70.	Which of the following is <i>not</i> a high exp	plosi	ve:	
	(1) TNT		RDX	
	(3) Amatol	(4)	Nitrocellulose	
71.	The study of the measurements of cranic	um is	called:	
	(1) Mandibulometry		Craniometry	
	(3) Somatoscopy	(4)	All of the above	
72.	The number of bones in vertebral colum	n is	(1) Least 100	
	(1) 23	(2)	24 1 10 1/10 10 10 10 10 10 10 10 10 10 10 10 10 1	
	(3) 25	(4)	26 stanopa milo (1)	
73.	Karl Pearson's formula is used for estim	ation	of: Resuper manage (E)	
	(1) Cephalic index	(2)	Stature	
	(3) Age masticomost (3)	(4)	Race	
74.	Which of the following are bone destroy	ying o	cells?	
	(1) Osteoblasts		Osteoclasts	
	(3) Osteocytes	(4)	None of these	
75.	The quantitative measurements of huma	n bo	dy is:	
	(1) Anthropometry	(2)	Anthroposcopy	
	(3) Osteology	(4)	Osteometry	
76.	Most useful bone for sex estimation:			
	(1) Skull ; :	(2)	Femur	
	(3) Pelvis	(4)	Tibia	
77.	Odontometry is the :			
	(1) Measurements of skull		Measurements of teeth	
	(3) Measurements of bone		None of these	
70	r siamo arda destina armii quality maleka	0.190		
78.	Physical anthropology is also known as (1) Biological Anthropology		Forencie Anthropology	
			Forensic Anthropology Cultural Anthropology	
	(3) Archaeology	(4)	Cultural Anthropology	

10			-
79.	destroyed. Which component of the te (1) Dentine	the last part of the body to be broken do eth is the hardest substance in the human bo (2) Cementum (4) Plaque	wn or ody?
	(3) Enamel	(4) 1 inque	
80.	Linea aspera is located on:		
	(1) Skull	(2) Pelvis	
	(3) Femur	(4) Ribs	71
81.	Cadaveric spasm is seen in:		
	(1) Hands	(2) Brain	
	(3) Legs	(4) Neck muscles	
-00		A SE 41	
82.	Section 176 of CrPc is related to:	(2) Magistrate inquest	
	(1) Police inquest	(4) Summons	
	(3) Coroner inquest	(4) Summons	
83.	Green colour of contusion is due to:	ge (20.02) Mae	
	(1) Biliverdin	(2) Hemosiderin	
	(3) Hematoidin	(4) De-oxyhemoglobin	
84.	Hypothermia is the:		
011	(1) Exposure to cold temperature		
	(2) Exposure to hot temperature		
		Authoropean	
	(3) Exposure to moderate temperatur		
	(4) Exposure to non uniform tempera		
85.	Tache noire refers to:		
	(1) Maggots growth		
	(2) Marbling		
		anged across the sclera	
	(4) Cooling of Gody		
86.	Which of the following is a series	s of standards dealing with quality manage	gement
	systems?	an nwacci estic - ractogo mata taprevida	
	(1) ISO 9000	(2) ISO 9001	
	(2) 100 0002	(A) ISO 9003	

87.	For preservation of shoeprint/tire marks on soft earth, the best way is: (1) with an electrostatic device (2) photography and casting (3) rough/ finished sketch (4) using a high voltage electrode
88.	Charred documents should be packed in: (1) Plastic envelope (2) Paper bag (3) Zip-lock bag (4) In a cardboard box with cotton under sample/evidence
89.	Hostile witness is the one who: (1) A log of everyone who has entered a crime scene (2) Threatens the judge. (3) Threatens the prosecutor. (4) Offers adverse testimony to the calling party during direct examination
90.	 Which of the following is <i>not</i> a method used in Forensic Science? (1) Rejection of results that do not support the hypothesis under the tests. (2) Comparison between the items generated in the laboratory and those found at the crime scene. (3) Comparison between the items found at a crime scene with those held on a database. (4) Rejection of the hypothesis under test if it is refuted by the results of experimentation
91.	Chemical etching is a method for restoration of erased marks on : (1) Wood (2) Metal
92.	(3) Plastic (4) Leather Which hair growth phase is known as the resting phase? (1) Catagen Phase (2) Anagen Phase (3) Telogen Phase (4) None of these
93.	'Mohair' is obtained from : (1) Angora Goat (2) Angora Rabbit (3) Asiatic Goat (4) Alpaca

94.	3R rule defines :		
	 Radial cracks are at right angles to the rear (side opposite the impact). Radial crack forms a right angle on the side of impact. Series of broken circles originate from the opposite side of radial fractures. Rib lines tangent to one side of glass and perpendicular to side that breaks first 		
95.	The study of 'soil' is called: (1) Pedology (3) Phycology	(2) Edhaphology(4) Palynology	
96.	Polygraph test means: (1) Lie detection test (3) Doping	(2) Hypnosis (4) PCR test	
97.	Narco is derived from the Greek wo (1) Anesthesia (3) Smothering	(2) Asphyxia(4) Choking	
98.	P-300 test is another name of: (1) Brain mapping (3) PSA test	(2) Narco analysis (4) Hypnosis	
99.	The volatile memory of the compute (1) RAM (3) CPU	er is known as : (2) ROM (4) None of these	
.00.	What is the name of the IT law that (1) India's Technology Act (IT), 200 (2) India's Digital Information Tech		

(4) The Technology Act, 2000.

(3) India's Information Technology (IT) Act, 2000

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PHD/URS-EE-2022/(Forensic Sci.)(SET-X)/(B)

SET-X

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	(3) Onychology	(4)	Palynology
7.	Which of the following is the most com	mon f	ingerprint pattern:
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	(1) Pedology	(2) Edhaphology	
	(3) Phycology	(4) Palynology	
16.	Polygraph test means:		
10.	(1) Lie detection test :	(2) Hypnosis	
		(4) PCR test	
17.	Narco is derived from the Greek word		
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		(4) Choking	
		(4) Choking	
18.	P-300 test is another name of:		
	(1) Brain mapping	(2) Narco analysis	
	(3) PSA test	(4) Hypnosis	

19.	The volatile memory of the computer is	s kno	wn as:
	(1) RAM	(2)	ROM
	(3) CPU	(4)	None of these
20.	What is the name of the IT law that Ind	lia is l	having in the Indian Legislature?
/	(1) India's Technology Act (IT) ,2000		
	(2) India's Digital Information Technology	logy	Act, 2000
	(3) India's Information Technology (IT	r) Act	t, 2000
	(4) The Technology Act, 2000.		
21,	The study of the measurements of crani	ium is	s called:
	(1) Mandibulometry	(2)	Craniometry
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22.	The number of bones in vertebral colum	nn is	
	(1) 23	(2)	24
	(3) 25	(4)	26
23.	Karl Pearson's formula is used for estin	nation	of:
	(1) Cephalic index	(2)	Stature
	(3) Age	(4)	Race
24.	Which of the following are bone destro	ying	cells?
	(1) Osteoblasts	(2)	Osteoclasts
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25.	The quantitative measurements of huma	an bo	dy is:
	(1) Anthropometry	(2)	Anthroposcopy
	(3) Osteology	(4)	Osteometry
26.	Most useful bone for sex estimation:		
	(1) Skull man man share and the	(2)	Femur
	(3) Pelvis	(4)	Tibia
27.	Odontometry is the:		
	(1) Measurements of skull	(2)	Measurements of teeth
	(3) Measurements of bone	(4)	None of these

20.	(1) Biological Anthropology	(2) Forensic Anthropology
	(3) Archaeology	(4) Cultural Anthropology
29.	Teeth are harder than bone and are the destroyed. Which component of the teeth	e last part of the body to be broken down or is the hardest substance in the human body?
	(1) Dentine	(2) Cementum
	(3) Enamel	(4) Plaque
30.	Linea aspera is located on:	
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	(3) Femur	(4) Ribs
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	(1) Bhang	(2) Ganja
	(3) Charas	(4) Cocaine
38	of chope (the officed Nations Of	nal Day against Drug Abuse and Illicit drug trends ffice on Drugs and Crime)?
	(1) 9, December	(2) 26, June
	(3) 26, December	(4) 9, June
39	Theme for International Day against	Drug abuse and Illicit Trafficking 2020 was ?
	(1) Better Knowledge for Better Car	re who had a support
	(2) Justice and Health are two sides problems	of the same coin when it comes to addressing drug
	and said	ren and youth is the first step to help them grow
	(4) None of these	Parillo (1941)
40,	Which drug is most commonly used to (1) Insulin	
	(3) Anabolic steroids	(2) Cannabinoids(4) Opioids
41	Blood is a:	
	(1) Cell	(2) Muscle
	(3) Connective tissue	(4) Ligament
42.	Nylon is obtained by:	
	(1) Treating wood pulp	(2) Solidifying water
	(3) Mixing coal, air and water	(1) Miving about 1
43.	Polyester is a repeating unit of:	(4) Whiting chemicals
	(1) Beads	
		(2) Ester
	(3) Propene	(4) None
44.	SVSA is:	
	(1) Saliva vesicle specific antigen	(2) Seminal vesicle specific antigen
	(3) Seminal viscous specific antigen	(4) Saliva vesicle specific antibody
PHD/U	JRS-EE-2022/(Forensic Sci.)(SET-X)/(
	(or other Det.)(DE 1-A)/(P. T. O.

PHD/URS-EE-2022/(Forensic Sci.)(SET-X)/(B)

45. The chemical name of end product of Teichmann test is:

54.	Which of the following can not be dete	ermined by using radioimmunoassay?	
	(1) Drugs	(2) Antigens	
	(3) Toxicants	(4) Metals ions	
55.	The word "Chroma" means:	83. Marica in the salive are detected by the ang	
	(1) To write	(2) To draw	
	(3) Pigments	(4) Color	
EE		SA. Tarrel blood statt should be passed in the	
56.	The specific type of protein residing in		
		(2) Antibodies (4) All of the shows	
	(3) WBCs	(4) All of the above	
57.	WCOT (Wall Coated Open Tubular) c	olumns are commonly called capillary columns	
	because:		
	(1) inner diameters are small		
	(2) inner diameters are wide	(3) A=T AND C=C	
	(3) wall coated with a material acting	as mobile phase	
	(4) None of these	(1) Absonce or live regentatozowie samo	
58.	Who is known as the Father of Microse	copy?	
	(1) Ernest Abbe	(2) Zaccharias Janssen	
	(3) Robert Hooke	(4) Anton Van Leewenhock	
59.	Human eye is unable to distinguish the objects smaller than:		
	(1) 0.5 mm ;	(2) 0.1 mm	
	(3) 5 mm	(4) 16 mm	
60,	Blood alcohol concentration is measure	ed in :	
~		(2) Weight/Volume percent	
	(3) Volume /Volume percent	(4) Volume/Weight percent	
61	Plasma consists of :	• set all which	
V	(1) Water	(2) Proteins	
	(3) Blood cells	(4) All of the above	
PHD/U	JRS-EE-2022/(Forensic Sci.)(SET-X)/	(B) P. T.	

62.	Which of the following is used to test to (1) Acid Phosphatase	he presence of semen ? (2) TMB
	(3) Luminol	(4) Flurorocin
63.	Nitrites in the saliva are detected by: (1) Takayama test (3) Rhions test	(2) Griess test(4) Both (1) and (3)
64.	Dried blood stain should be packed in (1) Paper Bag (3) Glass Jar	(2) Plastic Bag(4) None of the above
65.	PSA (Prostate Specific Antigen) is a n (1) Kallikrein (3) Spermine	(2) Flavine(4) None of the above
66.	The complimentary base pairs among (1) A=G AND T=C (3) A=T AND G=C	four nucleotides (A,T,C,G) are as: (2) A=C AND G=T (4) All of the above
67.	 (1) Absence of live spermatozoa in section (2) Low sperm count (3) Presence of live spermatozoa in section (4) No sperm in seminal fluid 	emen and a salum a
68.	(1) Semen, Acid Phosphatase	(2) Semen, PSA (4) Urine, Creatinine
69.	(1) Creatinine Picrate(3) Urea	(2) Ammonia(4) None of the above
70 ~/	/ If the blood groups of both parents child will be • (1) A, B (3) A, B, AB	are O and AB, then the possible blood group of (2) O, A (4) O, A, B, AB.

71.	Alfred Nobel discovered: (1) Dynamite	(2) GSR		
	(3) RDX	(4) Black Powder		
72.	TNT stands for	olosive Explosive		
73.	The Modified Griess test is specific residue. (1) Nitrate	for determination of	. in gun p	owder
	(3) Antimony	(4) Barium		
74.	The barrel and breech block are locked in which of the following actions:		f the recoil	stroke
	(1) Short recoil(3) Pump action	(2) Long recoil(4) Slide action	ANG SET	
75.	Rifling marks on fired bullet are of follo (1) Integrated marks	owing type: (2) Striation marks		
	(3) Cut marks	(4) Compression marks		
76.	Gun cotton is another name of: (1) Nitroglycerine	(2) Nitrocellulose		
	(3) Gun Powder	(4) GSR		
77.	$C = w/id^2$ is used to calculate the : (1) The Ballistic Coefficient (3) Range	(2) Muzzle velocity(4) Angle of fall		
78.	Zip gun is a: (1) Improvised firearm (3) Automatic gun	(2) 12 hore gun		
79.	PETN+ RDX is a composition of which (1) Semetex (3) Pentilite	of the following military expl (2) Octol (4) Tetrytol	losive :	

80	Which of the following is not a high	gh explosive :
	(1) TNT	(2) RDX
	(3) Amatol	(4) Nitrocellulose
/ 81.	. In Latin, the term "Forensic" mean	10 210 a 100 S:
	(1) After the forum	(2) Belonging to the forum
	(3) Beside the forum	(4) For the forum
82.	Forensic science laboratories are ac	ecredited by:
	(1) NAAC	
	(3) CSIR	(4) BARC
83.	IPC is:	
	(1) Procedure for investigation	(2) Code for punishment
	(3) Both (1) and (2)	(4) None of the above
84.	The DNA evidence database is called	ed:
	(1) CODIS	(2) CODNA
	(3) CCDNA	(4) CODIA
85.	The fingerprint evidence database is	called:
	(1) FIA	(2) AFES
	(3) AAES	(4) AFIS
86.	Trichology is the study of:	
	(1) Hair	(2) Lips
	(3) Skin	(4) Nails
87.	Who invented the DNA fingerprinting	og technique 2
	(1) Kary Mullis	(2) Henry Faulds
	(3) Alec Jeffreys	(4) Calvin Goddard
88.	The Federal Bureau of Investigation	(FBI) was established in :
	(1) 1905	(2) 1906
	(3) 1907	(4) 1908

89.	Who first devised a system of per measurements?	sona	l identification using	ng a series of body
	(1) Alphonse Bertillon	(2)	Hans Gross	
	(3) Edmond Locard	(4)	Henry Faulds	
90.	The comparison microscope became through the efforts of:	an ii	ndispensable tool of	f firearm examination
	(1) Hans Gross	(2)	Calvin Goddard	
	(3) Paul Kirk	(4)	Edmond Locard	
91.	Cadaveric spasm is seen in:		Mone of Lynonia wire.	
	(1) Hands		D .	
	(3) Legs	(4)	Neck muscles	
92.	Section 176 of CrPc is related to:			
	(1) Police inquest	(2)	Magistrate inquest	odbrownii 41-
	(3) Coroner inquest		Summons	
93.	Green colour of contusion is due to:			
	(1) Biliverdin	(2)	Hemosiderin	
	(3) Hematoidin	(4)	De-oxyhemoglobin	
94.	Hypothermia is the:			
	(1) E			
	(2) Exposure to hot temperature			
	(3) Exposure to moderate temperature		esti sin esswind a	
	(4) Exposure to non uniform temperature	re		
95.	Tache noire refers to:			
	(1) Maggots growth			
	(2) Marbling			
	(3) Reddish brown discoloration arrange	ed ac	eross the sclera	
	(4) Cooling of body			

- **96.** Which of the following is a series of standards dealing with quality management systems?
 - (1) ISO 9000

(2) ISO 9001

(3) ISO 9002

(4) ISO 9003

- **97.** For preservation of shoeprint/tire marks on soft earth, the best way is:
 - (1) with an electrostatic device
 - (2) photography and casting
 - (3) rough/finished sketch
 - (4) using a high voltage electrode
- 98. Charred documents should be packed in:
 - (1) Plastic envelope
 - (2) Paper bag
 - (3) Zip-lock bag
 - (4) In a cardboard box with cotton under sample/evidence
- 99. Hostile witness is the one who:
 - (1) A log of everyone who has entered a crime scene
 - (2) Threatens the judge.
 - (3) Threatens the prosecutor.
 - (4) Offers adverse testimony to the calling party during direct examination
- 100. Which of the following is *not* a method used in Forensic Science?
 - (1) Rejection of results that do not support the hypothesis under the tests.
 - (2) Comparison between the items generated in the laboratory and those found at the crime scene.
 - (3) Comparison between the items found at a crime scene with those held on a database.
 - (4) Rejection of the hypothesis under test if it is refuted by the results of experimentation

used for Jumbling

D11/2/2022 WW 2/92

Total No. of Printed Pages: 13

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C

Ph.D./URS-EE-Jan-2022

SET-X

SUBJECT: Forensic Science

	/ Sr. No. 10003
Time : 11/4 Hours Roll No. (in figures)	Max. Marks: 100 Total Questions: 100
Name	Father's Name
Mother's Name	Date of Examination
(Signature of the Candidate)	(Signature of the Invigilator)
	(State of the invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

- 1. All questions are compulsory.
- 2. The candidates *must return* the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfairmeans / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- 3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- 4. Question Booklet along with answer key of all the A, B, C & D code will be got uploaded on the University website after the conduct of Entrance Examination. In case there is any discrepancy in the Question Booklet/Answer Key, the same may be brought to the notice of the Controller of Examination in writing/through E.Mail within 24 hours of uploading the same on the University Website. Thereafter, no complaint in any case, will be considered.
- The candidate must not do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers must not be ticked in the question booklet.
- 6. There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.
- 7. Use only Black or Blue Ball Point Pen of good quality in the OMR Answer-Sheet.
- 8. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.

,		
1.	Plasma consists of:	
	(1) Water	(2) Proteins
	(3) Blood cells	(4) All of the above
2.	Which of the following is used to t	est the presence of semen?
	(1) Acid Phosphatase	(2) TMB
	(3) Luminol	(4) Flurorocin
3.	Nitrites in the saliva are detected by	y:
	(1) Takayama test	(2) Griess test
	(3) Rhions test	(4) Both (1) and (3)
4.	Dried blood stain should be packed	in:
	(1) Paper Bag	(2) Plastic Bag
	(3) Glass Jar	(4) None of the above
5.	PSA (Prostate Specific Antigen) is	a member of which peptidase family:
	(1) Kallikrein	(2) Flavine
	(3) Spermine	(4) None of the above
6.	The complimentary base pairs amon	ng four nucleotides (A,T,C,G) are as:
	(1) A=G AND T=C	(2) A=C AND G=T
	(3) A=T AND G=C	(4) All of the above
7.	Oligospermia is a condition of:	
	(1) Absence of live spermatozoa in	semen
	(2) Low sperm count	
	(3) Presence of live spermatozoa in	semen
	(4) No sperm in seminal fluid	
8.	Phadebas test is a common presump	tive test of based on detection of
	(1) Semen, Acid Phosphatase	(2) Semen, PSA
	(3) Saliva, α-amylase	(4) Urine, Creatinine
9.	The red coloured compound formed	during Jaffe's test is:
	(1) Creatinine Picrate	(2) Ammonia
	(3) Urea	(4) None of the above

2			
10.	If the blood groups of both parents child will be	are O and AB, then the possible blood group of	
	(1) A, B	(2) O, A	
	(3) A, B, AB	(4) O, A, B, AB.	
11.	In gas chromatography technique, wh	ich of the following carrier gases is not suitable?	
1/	(1) Nitrogen	(2) Oxygen	
	(3) Helium	(4) Argon	
12.	NMR stands for:		
	(1) Nuclear Magnetic Resonance	(2) Normal Magnetic Resonance	
	(3) Nuclei Magnetic Resonance	(4) Non Magnetic Resonance	
13.	The first chromatographic technique v	vas invented by:	
	(1) M Tswett	(2) J Martin	
	(3) S Synge	(4) A Doglas	
14.	Which of the following can not be determined by using radioimmunoassay?		
	(1) Drugs	(2) Antigens	
	(3) Toxicants	(4) Metals ions	
15.	The word "Chroma" means:		
	(1) To write	(2) To draw	
	(3) Pigments	(4) Color	
16.	The specific type of protein residing in	the plasma are:	
	(1) Antigens	(2) Antibodies	
	(3) WBCs	(4) All of the above	
17.	WCOT (Wall Coated Open Tubular) c	olumns are commonly called capillary columns	
	because:		
	(1) inner diameters are small		
	(2) inner diameters are wide	their bright incommon brancios being 1 . 2	
	(3) wall coated with a material acting		
	(4) None of these		

18. Who is known as the Father of Microscopy?				
10.		-		
	(1) Ernest Abbe		Zaccharias Janssen	
	(3) Robert Hooke	(4)	Anton Van Leewenhock	
19.	Human eye is unable to distinguish the objects smaller than:			
	(1) 0.5 mm	(2)	0.1 mm	
	(3) 5 mm	(4)	16 mm	
20.	Blood alcohol concentration is measure	ed in :		
	(1) Weight /Weight percent	(2)	Weight/Volume percent	
	(3) Volume /Volume percent	(4)	Volume/Weight percent	
21.	In Latin, the term "Forensic" means:			
	(1) After the forum	(2)	Belonging to the forum	
	(3) Beside the forum	(4)	For the forum	
22.	Forensic science laboratories are accred	lited b	y:	
	(1) NAAC	(2)	NABL	
	(3) CSIR	(4)	BARC	
23.	IPC is:			
	(1) Procedure for investigation	(2)	Code for punishment	
	(3) Both (1) and (2)	(4)	None of the above	
24.	The DNA evidence database is called:			
	(1) CODIS	(2)	CODNA	
	(3) CCDNA	(4)	CODIA	
25.				
	(1) FIA	(2)	AFES	
	(3) AAES	(4)	AFIS	
26. Trichology is the study of :				
	(1) Hair	(2)	Lips	
	(3) Skin	(4)	Nails	

27.	Who invented the DNA fingerprinting technique?			
	(1) Kary Mullis	(2) Henry Faulds		
	(3) Alec Jeffreys	(4) Calvin Godda <mark>rd</mark>		
28.	The Federal Bureau of Investi	gation (FBI) was established in:		
	(1) 1905	(2) 1906		
	(3) 1907	(4) 1908		
29.	Who first devised a system of personal identification using a series of body measurements?			
	(1) Alphonse Bertillon	(2) Hans Gross		
	(3) Edmond Locard	(4) Henry Faulds		
30.	The comparison microscope	became an indispensable tool of firearm examination		
	through the efforts of:	her) (b) the result of the state of the stat		
	(1) Hans Gross	(2) Calvin Goddard		
	(3) Paul Kirk	(4) Edmond Locard		
31.	Chemical etching is a method	for restoration of erased marks on:		
/	(1) Wood	(2) Metal		
	(3) Plastic	(4) Leather		
32.	Which hair growth phase is kn	own as the resting phase ?		
	(1) Catagen Phase	(2) Anagen Phase		
	(3) Telogen Phase	(4) None of these		
33.	'Mohair' is obtained from:			
	(1) Angora Goat	(2) Angora Rabbit		
	(3) Asiatic Goat	(4) Alpaca		
34.	3R rule defines :			
	(1) Radial cracks are at right angles to the rear (side opposite the impact).			
	(2) Radial crack forms a right	angle on the side of impact.		
	(3) Series of broken circles or	ginate from the opposite side of radial fractures.		
	(4) Rib lines tangent to one sid	le of glass and perpendicular to side that breaks first		

35.	The study of 'soil' is called:			
	(1) Pedology	(2)	Edhaphology	
	(3) Phycology	(4)	Palynology	
36.	Polygraph test means:			
	(1) Lie detection test	(2)	Hypnosis	
	(3) Doping		PCR test	
37.	Narco is derived from the Greek word 'narke' which means:			
07.	(1) Anesthesia		Asphyxia	
	(3) Smothering			
00		()	* Extract 10 1 1 6	
38.	P-300 test is another name of:	(2)		
	(1) Brain mapping		Narco analysis	
	(3) PSA test	(4)	Hypnosis	
39.	The volatile memory of the computer is known as:			
	(1) RAM	(2)	ROM	
	(3) CPU	(4)	None of these	
40.	What is the name of the IT law that India is having in the Indian Legislature?			
	(1) India's Technology Act (IT) ,2000			
/	(2) India's Digital Information Technology Act, 2000			
	(3) India's Information Technology (IT) Act, 2000			
	(4) The Technology Act, 2000.			
41.	Alfred Nobel discovered:			
/	(1) Dynamite	(2)	GSR	
	(3) RDX	Leurs V	Black Powder	
40	208 (2)			
42.	TNT stands for and a type of:			
	(1) Tri nitro toluene, Primary High Explosive			
	(2) Tri nitro toluene, Secondary High Explosive			
	(3) Tetra Nitro Toluene, Low Explosive			
	(4) Tri nitrite toluene, Primary Explosive			

43.	The Modified Griess test is spresidue.	pecific for determination of in gun powd
	(1) Nitrate	(2) Nitrite
	(3) Antimony	(4) Barium
44.	The barrel and breech block are in which of the following action	locked together for the full distance of the recoil strois:
	(1) Short recoil	(2) Long recoil
	(3) Pump action	(4) Slide action
45.	Rifling marks on fired bullet are	of following type:
70.		(2) Striation marks
	(3) Cut marks	(4) Compression marks
46.	Gun cotton is another name of:	
40.	(1) Nitroglycerine	(2) Nitrocellulose
	(3) Gun Powder	(4) GSR
47.	2.	ie:
71.	(1) The Ballistic Coefficient	(2) Muzzle velocity
	(3) Range	(4) Angle of fall
48.	Zip gun is a:	
70.	(1) Improvised firearm	(2) 12 bore gun
	(3) Automatic gun	(4) AK-47
49.	PETN+ RDX is a composition	of which of the following military explosive:
	(1) Semetex	(2) Octol
	(3) Pentilite	(4) Tetrytol
50.	Which of the following is not a	
/	(1) TNT	(2) RDX
	(3) Amatol	(4) Nitrocellulose
51/	Blood is a:	(i) To minutobase Premay High Explosive et
1	(1) Cell	(2) Muscle
	(3) Connective tissue	(4) Ligament

52.	Nylon is obtained by:	
	(1) Treating wood pulp	(2) Solidifying water
	(3) Mixing coal, air and water	(4) Mixing chemicals
53.	Polyester is a repeating unit of:	
	(1) Beads	(2) Ester
	(3) Propene	(4) None
54.	SVSA is:	
	(1) Saliva vesicle specific antigen	(2) Seminal vesicle specific antigen
	(3) Seminal viscous specific antigen	(4) Saliva vesicle specific antibody
55.	The chemical name of end product of T	eichmann test is:
4	(1) Ferriprotoporphyrin chloride	(2) Ferroprotoporphyrin chloride
	(3) Ferrous chloride	(4) Pyridine ferroprotoporphyrin
56.	Red blood cells are produced in:	
	(1) Bone marrow	(2) Spleen
	(3) Liver	(4) Heart
57.	What is LDH (Lactate Dehydrogenase) (1) Regulate amount of water in the box (2) Cell and tissue damage in the body (3) Overactivity (4) Osmolarity of the urine	ody
58.	Barberio's test serves the purpose of ide	entification of:
	(1) Choline	(2) Creatinine
	(3) Spermine	(4) Lecithine
59.	ABO blood group was discovered by:	
	(1) Karl Landsteiner,1911	(2) Leone Lattes, 1911
	(3) Dacatello and Sturli, 1900	(4) Von Dungem and Hirezfeld, 1900
60.	Type A blood group have which of (Ab):	the following set of antigen (Ag) and antibody
	(1) B-Ag, b-Ab	(2) A-Ag, a-Ab
	(3) A-Ag, b-Ab	(4) A-Ag, no Ab
PHD/	URS-EE-2022/(Forensic Sci.)(SET-X)/	(C) P. T. C

8			
61.	The study of the measurements of crani	ium is called :	
. /	(1) Mandibulometry	(2) Craniometry	
	(3) Somatoscopy	(4) All of the above	
62.	The number of bones in vertebral colum	mn is:	
	(1) 23	(2) 24	
	(3) 25	(4) 26	
63.	Karl Pearson's formula is used for estim	nation of :	
	(1) Cephalic index	(2) Stature	
	(3) Age	(4) Race	
64.	Which of the following are bone destroy	oving cells ?	
	(1) Osteoblasts		
	(3) Osteocytes	(4) None of these	
65.	The quantitative measurements of huma	an hody is:	
00.	(1) Anthropometry	(2) Anthroposcopy	
	(3) Osteology	(4) Osteometry	
66.	Most useful bone for sex estimation :		
00.	(1) Skull	(2) Femur	
	(3) Pelvis	(4) Tibia	
67.	Odontometry is the :		
07.	(1) Measurements of skull	(2) Measurements of teeth	
	(3) Measurements of bone		
60	ali in ali sul		
68.	Physical anthropology is also known as (1) Biological Anthropology	(2) Forensic Anthropology	
	(3) Archaeology	(4) Cultural Anthropology	
00	1097 Distract backgrowth act. (b)	ON James Day Manager (17)	
69.		the last part of the body to be broken down	
	(1) Dentine	(2) Cementum	-)
	(3) Enamel	(4) Plaque	

70.	Linea aspera is located on:	
1	(1) Skull	(2) Pelvis
,	(3) Femur	(4) Ribs
71.	Cadaveric spasm is seen in:	
1	(1) Hands	(2) Brain
	(3) Legs	(4) Neck muscles
72.	Section 176 of CrPc is related to:	
	(1) Police inquest	(2) Magistrate inquest
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74	Hypothermic is the	(2) Comparison between the nemarificacia
74.	Hypothermia is the :	and an amino
	(1) Exposure to cold temperature(2) Exposure to hot temperature	
	(3) Exposure to moderate temperature	
	(4) Exposure to non uniform temperature (4)	
7.		
75.		
	(1) Maggots growth	
	(2) Marbling	9. (3) 1900.Delha (3) 1900.Delha -
	(3) Reddish brown discoloration arra	nged across the sciera
	(4) Cooling of body	
76.	Which of the following is a series systems?	of standards dealing with quality managemen
	(1) ISO 9000	(2) ISO 9001
	(3) ISO 9002	(4) ISO 9003
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	(1) with an electrostatic device	
	(2) photography and casting	
	(3) rough/ finished sketch	
	(4) using a high voltage electrode	

10	ed in:	
78. Charred documents should be packet		
(1) Plastic envelope		
(2) Paper bag		
(3) Zip-lock bag(4) In a cardboard box with cotton	under sample/evidence	
79. Hostile witness is the one who:(1) A log of everyone who has en	tered a crime scene	
(2) Threatens the judge.		
(3) Threatens the prosecutor.	ne calling party during direct examination	on
	-thad used in Folklish Science	
80. Which of the following is not a in (1) Rejection of results that do not hot ween the item.	ot support the hypothesis under the tests ms generated in the laboratory and tho	se found at the
(2) Comparison between the its crime scene.	tems found at a crime scene with the	nose held on a
database.	sis under test if it is refuted by	the results of
experimentation	of Questioned Documents)was first esta	ablished at:
81. GEQD (Government Examiner of	(2) 1906,Shimla	
(1) 1906,Calcutta	(2) 1700,5	
(3) 1906,Delhi	(4) 1906, Chandigarh	
82. Which of the following is not a	type of cyber-crime?	4
82. Which of the following	(2) Installing anti-virus	12
(1) Hacking and tracking	(4) Forgery	27
(3) Data theft		
83. Forgery has been defined in th	e section:	
	(2) 463-IPC	
(1) 464-IPC	(4) 127-IEA	
(3) 462-IPC		
84. The security thread of currence	ey notes is made up of:	
(1) Aluminium	(2)	
(3) Gold	(4) Copper	
	(SET-X)/(C)	
PHD/URS-EE-2022/(Forensic Sci.)	(DECE TEN)	

	interminal stroke is:
85. In handwriting examination, a short init	ial or terminal stroke is:
(1) Embellishment	(2) Hiatus (4) Connecting stroke
(2) (2	
(a) at the interpolation as the interpolation as the interpolation and the interpolation as the interpolation as the interpolation and the interpolation a	(2) Dactyloscopy
86. The study of fingerprints is known as:	(2) Dactyloscopy
(1) Entomology	n n 1 lagy
(3) Onychology	
87. Which of the following is the most cor	mmon fingerprint pattern:
87. Which of the following is	(2) Loops
(1) Whorls(3) Composites	(4) Arches
(3) Composites	c
88. Iodine fuming method works best for	(2) Wood
(1) Paper	(2) 11000
(3) Plastic	(4) Foot
	e to the naked eye
(2) The fingerprints which are not vit (3) The fingerprints made with the in	nk ces
(4) The import	writing as perfectly as possible of another person,
90. When a person tries to reproduce the	(i) Boiler Kenwieden für Rotten etwa
then the writing is known as?	(2) Anonymous writing
(1) Disguised writing	(4) Imitated writing
(3) Secret Writing	
When algohol is burned, the flame i	s of which colour among the following? (2) Yellow-orange
(1) Red	
(3) Blue	(4) Blue -orange
(5) Dide	e triangle?
92. What is not considered a part of fire	(2) Oxygen
(1) Heat	(4) Fuel
(3) Combustion	
93. The lowest temperature at which a	liquid fuel produces enough vapor to burn is the?
(1) Flame temperature	(2) 1 14511 2
(3) Ignition temperature	(4) Origin point
(3) Igilition temperature	P. T. O.
PHD/URS-EE-2022/(Forensic Sci.)(SET	r-X)/(C)

C

used for Jumbling

2/1/2/2012

Total No. of Printed Pages : 13

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

D

Ph.D./URS-EE-Jan-2022

SET-X

SUBJECT: Forensic Science

	11/2/	'Sr. No. 10004
Time: 11/4 Hours	Mex. Marks: 100	Total Questions: 100
Roll No. (in figures)	(in words)	
Name	Father's Name	
Mother's Name	Date of Examination_	
(Signature of the Candidate)		(Signature of the Invigilator)
CAMBIDATES MILES DE LA		9 /

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

- 1. All questions are compulsory.
- 2. The candidates must return the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfairmeans / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- 3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- 4. Question Booklet along with answer key of all the A, B, C & D code will be got uploaded on the University website after the conduct of Entrance Examination. In case there is any discrepancy in the Question Booklet/Answer Key, the same may be brought to the notice of the Controller of Examination in writing/through E.Mail within 24 hours of uploading the same on the University Website. Thereafter, no complaint in any case, will be considered.
- 5. The candidate *must not* do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers *must not* be ticked in the question booklet.
- There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.
- 7. Use only Black or Blue Ball Point Pen of good quality in the OMR Answer-Sheet.
- 8. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.

1.	The study of the measurements of cr	anium is called:
	(1) Mandibulometry	(2) Craniometry
	(3) Somatoscopy	(4) All of the above
2.	The number of bones in vertebral co	lumn is:
	(1) 23	(2) 24
	(3) 25	(4) 26
3.	Karl Pearson's formula is used for es	timation of :
	(1) Cephalic index	(2) Stature
	(3) Age	(4) Race
4.	Which of the following are bone des	troving cells ?
	(1) Osteoblasts	
	(3) Osteocytes	(4) None of these
5.	The quantitative measurements of hu	iman body is:
0.	(1) Anthropometry	
	(3) Osteology	(4) Osteometry
6.	Most useful bone for sex estimation	(p. noosbisO II)
	(1) Skull beauties of the sport of	
	(3) Pelvis	(4) Tibia
7.	Odontometry is the :	
	(1) Measurements of skull	(2) Measurements of teeth
	(3) Measurements of bone	(4) None of these
8.	Physical anthropology is also known	as:
	(1) Biological Anthropology	(2) Forensic Anthropology
	(3) Archaeology	(4) Cultural Anthropology
9.		e the last part of the body to be broken down or teeth is the hardest substance in the human body?
	(1) Dentine	
	(3) Enamel	(4) Plaque

10.	Linea aspera is located on: (1) Skull (3) Femur	(2) Pelvis (4) Ribs
11.	When alcohol is burned, the flame is	of which colour among the following?
((1) Red	(2) Yellow-orange
	(3) Blue	(4) Blue -orange
12.	What is not considered a part of fire	triangle?
	(1) Heat	(2) Oxygen
	(3) Combustion	(4) Fuel
10	The lowest temperature at which a li	quid fuel produces enough vapor to burn is the?
13.	(1) Flame temperature	(2) Flash point
	(3) Ignition temperature	(4) Origin point
	cal call is used to co	olor motor gasoline?
14.		(2) Erythrosine
	(1) Eosine	(4) Anthraquinone
	(3) Phenyr-azo-2- napuror	to inlike gaseous products is called:
15.		material to gaseous products is called: (2) Reduction
	(1) Oxidation	(4) None of the mentioned
16.	The material obtained after popp	y straw has been subjected to a process for the
	concentration of its alkaloids is call	(2) Poppy straw concentrate
	(1) Poppy straw	
	(3) Both (1) and (2)	
17	. Cannabis resin is also known as:	a award sels a yzologodom labis (FF) . 5
	(1) Bhang	(2) Ganja da
	(3) Charas	(4) Cocame
18	was to down in marked as Internation	onal Day against Drug Abuse and Illicit drug trends
10	by UNODC (The United Nations (Office on Drugs and Citile):
	(1) 9, December	(2) 26, June
	(3) 26. December	(4) 9, June

13.	Theme for international Day against I	orug aduse and mich framcking 2020 was?	
	(1) Better Knowledge for Better Care	oral administration or many and the contract of the contract o	
	(2) Justice and Health are two sides of the same coin when it comes to addressing drug problems		
	(3) Listen First - Listening to children healthy and safe	en and youth is the first step to help them g	grow
	(4) None of these		
20.	Which drug is most commonly used b	y sportsmen for doping ?	
	(1) Insulin	(2) Cannabinoids	
	(3) Anabolic steroids	(4) Opioids	
21.	Blood is a:		
	(1) Cell	(2) Muscle	
	(3) Connective tissue	(4) Ligament	
22.	Nylon is obtained by:	(1. 1 SA A zé)	
	(1) Treating wood pulp	(2) Solidifying water	
	(3) Mixing coal, air and water	(4) Mixing chemicals	
23.	Polyester is a repeating unit of:	atolijaidi; (8)	
	(1) Beads	(2) Ester	
	(3) Propene	(4) None	
24.	SVSA is:		
	(1) Saliva vesicle specific antigen	(2) Seminal vesicle specific antigen	
	(3) Seminal viscous specific antigen	(4) Saliva vesicle specific antibody	
25.	The chemical name of end product of T	Teichmann test is:	
	(1) Ferriprotoporphyrin chloride	(2) Ferroprotoporphyrin chloride	
	(3) Ferrous chloride	(4) Pyridine ferroprotoporphyrin	
26.	Red blood cells are produced in:		
	(1) Bone marrow	(2) Spleen	
	(3) Liver	(4) Heart	

· ·	morker of :
What is LDH (Lactate Dehydrogenase) a(1) Regulate amount of water in the body(2) Cell and tissue damage in the body	dy
(3) Overactivity(4) Osmolarity of the urine	
28. Barberio's test serves the purpose of ide (1) Choline (3) Spermine	entification of: (2) Creatinine (4) Lecithine
29. ABO blood group was discovered by :(1) Karl Landsteiner,1911(3) Dacatello and Sturli, 1900	(2) Leone Lattes, 1911(4) Von Dungem and Hirezfeld, 1900
30. Type A blood group have which of (Ab): (1) B-Ag, b-Ab	the following set of antigen (Ag) and antibody (2) A-Ag, a-Ab (4) A-Ag, no Ab
(1) 1906,Calcutta (3) 1906,Delhi	(4) 1906, Chandigarh
32. Which of the following is <i>not</i> a type ((1) Hacking and tracking(3) Data theft	of cyber-crime? (2) Installing anti-virus (4) Forgery
33. Forgery has been defined in the section(1) 464-IPC(3) 462-IPC	(4) 127-IEA
34. The security thread of currency note(1) Aluminium(3) Gold	(4) Copper
35. In handwriting examination, a short(1) Embellishment(3) Spur	(4) Connecting stroke
PHD/URS-EE-2022/(Forensic Sci.)(SET-	-X)/(D)

	36. The study of fingerprints is k	nown as:
(1) Entomology	(2) Dactyloscopy	
	(3) Onychology	(4) Palynology
3	37. Which of the following is the	most common fingerprint pattern:
	(1) Whorls	(2) Loops
	(3) Composites	(4) Arches
3	88. Iodine fuming method works b	pest for fingerprints on
	(1) Paper	(2) Wood
	(3) Plastic	(4) Foot
39	9. Latent fingerprints are:	
	(1) The fingerprints which are	
	(2) The fingerprints which are	not visible to the naked eye
	(3) The fingerprints made with	the ink
	(4) The fingerprints on pliable	surfaces
40		
	then the writing is less to reproduc	ee the writing as perfectly as possible of another person,
	as?	
	(1) Disguised writing	(2) Anonymous writing
	(3) Secret Writing	(4) Imitated writing
47.	Chemical etching is a method for	r restoration of erased marks on:
	(1) Wood	(2) Metal
	(3) Plastic	(4) Leather
42.	Which hair growth phase:	
	Which hair growth phase is know (1) Catagen Phase	
	(3) Telogen Phase	(2) Anagen Phase
		(4) None of these
43.	'Mohair' is obtained from:	
	(1) Angora Goat	(2) Angora Rabbit
	(3) Asiatic Goat	(4) Alpaca
	RS-EE-2022/(Forensic Sci.)(SET	

14.	3R rule defines:	1 (il and site the impact)	
	(1) Radial cracks are at right angles to the rear (side opposite the impact).		
	(2) Radial crack forms a right an		
		inate from the opposite side of radial fractures.	
	(4) Rib lines tangent to one side	of glass and perpendicular to side that breaks first.	
45.	The study of 'soil' is called:		
	(1) Pedology	(2) Edhaphology	
	(3) Phycology	(4) Palynology	
46.	Polygraph test means:		
	(1) Lie detection test	(2) Hypnosis	
	(3) Doping	(4) PCR test	
47.	Narco is derived from the Greek	word 'narke' which means:	
	(1) Anesthesia	(2) Asphyxia	
	(3) Smothering	(4) Choking	
48.	P-300 test is another name of:		
	(1) Brain mapping	(2) Narco analysis	
	(3) PSA test	(4) Hypnosis	
49.	The volatile memory of the com	nputer is known as:	
	(1) RAM	(2) ROM	
	(3) CPU	(4) None of these	
50,	What is the name of the IT law	that India is having in the Indian Legislature?	
<	(1) India's Technology Act (IT)		
	(2) India's Digital Information	Technology Act, 2000	
	(3) India's Information Technology (IT) Act, 2000		
	(4) The Technology Act, 2000.	ref (F) and the control of the contr	
51/	Alfred Nobel discovered:		
	(1) Dynamite	(2) GSR	
	(3) RDX	(4) Black Powder	

 52. TNT stands for and a type of (1) Tri nitro toluene, Primary High I (2) Tri nitro toluene, Secondary High II (3) Tetra Nitro Toluene, Low Exploit (4) Tri nitrite toluene, Primary Exploit 	Explosive h Explosive sive
(1) Nitrate	ic for determination of in gun powder (2) Nitrite
(3) Antimony	(4) Barium
54. The barrel and breech block are locked in which of the following actions:(1) Short recoil(3) Pump action	ed together for the full distance of the recoil stroke (2) Long recoil (4) Slide action
55. Rifling marks on fired bullet are of fol(1) Integrated marks(3) Cut marks	[20] [20] [20] [20] [20] [20] [20] [20]
56. Gun cotton is another name of:(1) Nitroglycerine(3) Gun Powder	(2) Nitrocellulose (4) GSR
 57. C = w/id² is used to calculate the : (1) The Ballistic Coefficient (3) Range 	(2) Muzzle velocity(4) Angle of fall
58. Zip gun is a: (1) Improvised firearm (3) Automatic gun	(2) 12 bore gun
59. PETN+ RDX is a composition of which	
60. Which of the following is <i>not</i> a high exp (1) TNT (3) Amatol	plosive : (2) RDX (4) Nitrocellulose
HD/IPS FF 2022//F-	() And occitations

61.	Cadaveric spasm is seen in:	
	(1) Hands	(2) Brain
	(3) Legs	(4) Neck muscles
62.	Section 176 of CrPc is related to:	
	(1) Police inquest	(2) Magistrate inquest
	(3) Coroner inquest	(4) Summons
63.	Green colour of contusion is due to:	
	(1) Biliverdin	(2) Hemosiderin
	(3) Hematoidin	(4) De-oxyhemoglobin
64.	Hypothermia is the:	
	(1) Exposure to cold temperature	
	(2) Exposure to hot temperature	edd in the party on treat builts are of tolling
	(3) Exposure to moderate temperature	chain constant and seems
	(4) Exposure to non uniform temperatu	nre
65.	Tache noire refers to:	
	(1) Maggots growth	
	(2) Marbling	
	(3) Reddish brown discoloration arran	ged across the sclera
	(4) Cooling of body	
66.	Which of the following is a series of systems?	of standards dealing with quality managemen
	(1) ISO 9000	(2) ISO 9001
	(3) ISO 9002	(4) ISO 9003
67.	For preservation of shoeprint/tire mark	s on soft earth, the best way is:
	(1) with an electrostatic device	
	(2) photography and casting	
	(3) rough/ finished sketch	
	(4) using a high voltage electrode	

68.	Charred documents should be p			
	(1) Plastic envelope			
	(2) Paper bag			
	(3) Zip-lock bag	to an annual (syridans)		
	(4) In a cardboard box with cot	ton under sample/evidence		
69.	Hostile witness is the one who:			
	(1) A log of everyone who has	entered a crime scene		
	(2) Threatens the judge.			
	(3) Threatens the prosecutor.	the calling party during direct examination		
70.	Which of the following is <i>not</i> a	method used in Forensic Science?		
	(1) Rejection of results that do	(1) Rejection of results that do not support the hypothesis under the tests.		
	(2) Comparison between the items generated in the laboratory and those found at the crime scene.			
	(3) Comparison between the items found at a crime scene with those held or database.			
	(4) Rejection of the hypothe	esis under test if it is refuted by the results of		
71/	Plasma consists of:			
/	(1) Water	(2) Proteins		
	(3) Blood cells	(4) All of the above		
72.	Which of the following is used to test the presence of semen?			
12.	(1) Acid Phosphatase	(2) TMB		
	(3) Luminol	(4) Flurorocin		
	; ;	and shape SMM 52		
73.	THE SERVICE OF SELECTION OF SEL			
	(1) Takayama test	(2) Griess test		
	(3) Rhions test	(4) Both (1) and (3)		
74.	Dried blood stain should be pac	cked in:		
	(1) Paper Bag	(2) Plastic Bag		
	(3) Glass Jar	(4) None of the above		
75.	PSA (Prostate Specific Antiger	n) is a member of which peptidase family:		
	(1) Kallikrein	(2) Flavine		
	(3) Spermine	(4) None of the above		
PHD/	URS-EE-2022/(Forensic Sci.)(S	SET-X)/(D) P. T. O.		

76.	The complimentary base pairs among to (1) A=G AND T=C	four nucleotides (A,T,C,G) are as: (2) A=C AND G=T
	(3) A=T AND G=C	(4) All of the above
77.	Oligospermia is a condition of: (1) Absence of live spermatozoa in se (2) Low sperm count (3) Presence of live spermatozoa in se (4) No sperm in seminal fluid	emen
78.	Phadebas test is a common presumptive	ve test of based on detection of
		(2) Semen, PSA(4) Urine, Creatinine
79.	The red coloured compound formed d	uring Jaffe's test is:
	(1) Creatinine Picrate(3) Urea	(2) Ammonia(4) None of the above
80.	If the blood groups of both parents child will be	are O and AB, then the possible blood group of
	(1) A, B (3) A, B, AB	(2) O, A (4) O, A, B, AB.
81.	In gas chromatography technique, wh (1) Nitrogen (3) Helium	(2) Oxygen (4) Argon
82.	NMR stands for: (1) Nuclear Magnetic Resonance (3) Nuclei Magnetic Resonance	(2) Normal Magnetic Resonance(4) Non Magnetic Resonance
83.	The first chromatographic technique (1) M Tswett (3) S Synge	was invented by : (2) J Martin (4) A Doglas
84.	Which of the following can not be do (1) Drugs (3) Toxicants	etermined by using radioimmunoassay? (2) Antigens (4) Metals ions

D

•				
	85.	The word "Chroma" means: (1) To write (3) Pigments	(2)	To draw Color
	86.	The specific type of protein residing in the (1) Antigens (3) WBCs	(2)	asma are : Antibodies All of the above
	87.	because: (1) inner diameters are small (2) inner diameters are wide (3) wall coated with a material acting as		oile phase
	88.	(4) None of theseWho is known as the Father of Microsco(1) Ernest Abbe(3) Robert Hooke	(2)	Zaccharias Janssen
	89.	Human eye is unable to distinguish the of (1) 0.5 mm (3) 5 mm	(2)	ts smaller than: 0.1 mm 16 mm
	90.	Blood alcohol concentration is measured (1) Weight /Weight percent (3) Volume /Volume percent	(2)	Weight/Volume percent Volume/Weight percent
	91.	In Latin, the term "Forensic" means: (1) After the forum (3) Beside the forum		Belonging to the forum For the forum
	92.	Forensic science laboratories are accredit (1) NAAC (3) CSIR	(2)	y: NABL BARC
	93.	IPC is: (1) Procedure for investigation (3) Both (1) and (2)		Code for punishment None of the above

(1) CODIS (3) CCDN	A print evidence database is call	(2) CODNA (4) CODIA led: (2) AFES (4) AFIS	
96. Tricholog (1) Hair (3) Skin	y is the study of:	(2) Lips (4) Nails	
(1) Kary (3) Alec	Jeffreys	(2) Henry Faulds (4) Calvin Goddard	
(1) 1905	om 10 (a	(4) 1908	
(1) Alp	ments ? honse Bertillon	(2) Hans Gross (4) Henry Faulds	
through	the efforts of: ns Gross	(2) Calvin Goddard (4) Edmond Locard	firearm examination

Answer key of Entrance test of PHD/URS Forensic Science 2021-22 (Supernumerary seat)

r. No.	Booklet Code A	Booklet Code B	Booklet Code C	Booklet Code D
1	2	2	4	2
2	2	2	1	4
3	2	1	2	2
4	1	4	1	2
5	4	3	1	1
6	1	2	3	3
7	3	2	2	2
8	1	1	3	1
9	1	2	1	3
10	2	4	1	3
11	2	2	2	4
12	2	3	1	3
13	1	1	1	2
14	4	1	4	3
15	3	1	4	3
16	2	1	2	2
17	2	1	~ 1	3
18	1	1	4	2
19	2	1	2	1
	4	3	2	3
20	2	2	2	3
21	1	4	2	3
22	1	2	2	2
23	4	2	1	2
24	4	1	4	1
25	2	3	1	1
26	1	2	3	2
27	4	1	1	3
28		3	1	1
29	2	3	2	3
30	2	4	2	2
31	3	3	3	2
32	3	2	1	1
33	2	3	1	4
34	2	3	1	3
35	1 .	2	1	2
36	1	3	1	2
37	2	2	1	1
38	3	1	1	2
39	1	3	3	4
40	3	3	1	2
41	4	3	2	3
42	1		2	1
43	2	2	2	1
44	1	2	2	1
45	1	1	2	1
46	3	1 2	1	1
47	2		1	1
48	3	3	1	1

11/02/2022

3/12/2022

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50	1	3	4	3
51	4	2	3	2
52	3	1	3	2
53	2	1	2	2
54	3	4	2	2
55	3	4	1	2
56	2	2	1	1
57	3	1	2	1
58	2	4	3	1
59	1	2	1	4
60	3	2	. 3	1
61	1	4	2	2
62	2	1	4	1
63	2	2	2	1
64	2	1	2	3
65	2	1	1	1
66	2	3	3	2
67	1	2	2	4
68	1	3	1	4
69	1	1	, 3	1
70	4	1	3	4
71	2	1	1	1
72	4	2	2	2
73	2	2	1	1
74	2	2	1	1
75	1	2	3	3
76	3	2	1	2
77	2	1	2	3
78	1	1	4	1
79	3	1	4	1
80	3	4	1	2
81	1	2	2	1
82	2	2	2	1
83	1	2	1	4
84	1	1	4	4
85	3	; 4	3	2
86	1	. 1	2	1
87	2	3	2	4
88	4	1	1	2
89	4	1	2	2
90	1	2	4	2
91	2	1	4	2
92	3	2	3	2
93	1	1	2	1
94	1	1	3	4
95	1	3	3	1
96	1	1	2	3
97	1	2	3	1
98	1	4	2	1
99	1	4	1	2
100	3	1	3	2

11/63/2022

2/2022

Market