1	National Officers Academy ()	-
	Mark-6 tox (SS-2025	
	Description 2024	
	COTMINIOLOGY	
	D. t - 17	
	Cartina - Lina -	
	Section 3	
O No. 3	Critically analyze the biological and genetic	
ψ.510-5	theories of criminal behavior. Highlight their	
	limitations and strengths. (20 Marks)	
	CHI COMMENT	
	Untine	
1.	Introduction	
2.	Explanation of Biological Theories	
	pubroso's theory of the born Criminal	
•	Concept of physical characteristics (e.g., atavistic	
	(oncept of physical characteristics (e.g., atavistic traits)	
	Neurobiological factors	
•	Role of brain Shucture and Function (e.g.;	
	Prefrontal contex, amygdala) Hormonal and chemical imbalances (e.g.,	
•	Hormonal and chemical imbalances (e.g.,	-
	testosterone, skrotonin)	
	Impact of Environment on Biology	
	Interaction of biological predispositions with	
<u> seren i ser</u>	envisonmental triggers	
	Explanation of Genetic Theories	
3.	Explanation of Genetic Theories	
•	Twin and Adoption Studies	
•	Higher concordance rates for criminal behavior	

Dated:		
	in monoxygotic twins.	•
•	in monozygotic twins. Influence of biological vs. adoptive pavents	
	Chromocomal Abnormalities	
	Chromosomal Abnormalities XYX syndrome and its association with aggressive	
	behavior	
	Gene-Environment Interaction	
• .	MADA gene (warrior gene ") and its link to	
•	Gene-Environment Interaction MAOA gene (warrior gene") and its link to aggression in certain contents	.+
3	1 70	
) ધ.	Strengths of Biological and Genetic Theories	
		
•	Provide empirical evidence for hereditary	
-	influences on behavior	
•	Advance understanding of neurobiological	
-	Inform development of targeted prevention and	
	Highlight the interaction of biological and environmental factors	
<u> </u>	envisionmental factors	
5.	Limitations of Biological and Genetic Theories	
	Reductionlism	
•	Oversimplify complex human behavior by	
	Oversimplify complex human behavior by Focusing solely on biology	
	Determinism	
	Risk of labeling individuals as criminals based	
	on done tie Marilians as criminals based	
	on genetic predispositions	

Da	ted:		
•	Ethical Concerns	+	-
•	Misuse of theories for discrimination or engenics	0	
_	Neglect of Soil and Princhalpairal Factors		
	Overlacks the sale of indiringing culture and		
	Neglect of Social and Psychological Factors: Overlooks the sole of upbringing, culture, and socioeconomic status		
6.	Critical Analysis and The rated Insurence and	•	-
1	Conclusion States of the Conclusion	3	
1.	Conclusion	T	
	sized styres has besigned in returned	.!!	
	I would and my assemble to have bleast		
	privated at grant and		_
	Leaventhia America Landon America	e	_
	han anthroped behave to the week when I		_
	home conference between to Transplantation with a	•	
	has asir aloid to not be at the set blisharit		
	The state of the s	•	
		7 7 7	
	Limitations of fictions and operate houses	.7	
		7718	
4	Reductionism		
-	CHARLINGLEY CENTICK THEORY PORTAGE OF		
+	production of place preference		
+			
+	1 Determinism	a	
-	brand shortweet on bloody bear would be it is	• '	

Dated		1
X	Introduction	
	to abstract the strong is before at normal	11.11.12
	Criminal behavior has long been a susject of	
	disciplines including	
	carialogy suchology, and biology. Imong the	
	The state of the s	
-	Thanker reak to explain cuminality as a second	
*	are in barrent Marcial parcal or hereditary factors.	
•	Theories saggest hat genette precusposition	
•	a had a light a had malified, and here	
•	interes can significantly influence an mouradus	
•	I'velibred to engage in friminal acks. White these	
	the size recent valuable insights into the biological	
	January at human behavior and previous	
	his is a evidence for the role of hereauty, may	
	acten critized for their reductionist and	
	Laterministic tendencies. This question critically	
	mes the hiological and genetic Theories of	
-	criminal behavior, highlighting their strengths	
-	in advancing our understanding of crime and	•
•	their limitations in neglecting the complexity	
*	of human behavior shaped by social psychologic	
*	al, and envivormental factors.	•
V	the state of the s	Al .
7		
9		
	certained respect operatived harmster to	. 5.
	Prove datistics and remaining the soul	D.
(g)	to a report point and have	

Да	ted:	
	Section-II	-
O No. L	Examine the impact of poverty and unemployment	
<u> </u>	on crime rates in Pakistan. Suggest policy	
	on crime rates in Pakistan. Suggest policy interventions to mitigate these issues. (20 Marks)	P.
` .	Outline	
1	Introduction	
	and a second one of Long I would be when the	_
2	Relationship Between Poverty, Unemployment, and	
	Relationship Between Poverty, Unemployment, and	<u>_</u>
	the first of the control of the fitting is the statement	C
	Economic Strain Theory	<u>(</u>
	How economic depsivation leads to criminal	
	all social theories of crime	-
		-
•	Unemployment and Idle Youth	-
	Correlation between joblessness and increased	•
	criminal activities	_
	The second secon	
	Poverty-Induced Crimes Rise in theft, robbery, and other survival crimes.	-
	Rise in theft, robbery and other survival crimes.	
4	All Control of the co	
·	Social Disparities and Crime	
0	Role of inequality in fostering frustration and	
·	violence	
3.	Empirical Evidence From Pakistan	
. 0	Crime statistics and regional variations in poverty	
	Crime statistics and regional variations in poverty and unemployment	
	, v	

10	Dated:		
10	•	Case studies highlighting poverty-driven crimes	
1		Case studies highlighting poverty-driven crimes Impact of urbanization and lack of opportunities in rural areas	
-		in ruval areas	
-	4.	Consequences of Poverty and Unemployment on Crime Rates	
-		Crime Rates	
-		Trusease in violent crimes (e.g., street violence, gang activities)	
*	•	Increase in violent crimes (e.g., street violence,	**
1		gang activities)	
-			
1		Destabilization of social order.	6 3
1			
1		Strain on law enforcement and judicial systems	
4			- 3
-	۶.	Policy Interventions to Mitigate Issues	
		t D	-
	•	Economic Empowerment Programs	
	•	Skill development and vocational training	•
	O	Microfinance initiatives to support entrepreneur	
		ship	`
		The final light with the second secon	
-	•	Employment Generation	
		(enclusion)	-14
D	0	Public works programs to create jobs	
7		Promotion of industrial and agricultural	
7	0	Promotion of industrial and agricultural	-
-		growth	1
-		V	
-			

Да	ted:		-
			_
	Social Welfare Reforms Expansion of social safety nets (e.g., Benazir. Income Support Program)	,	- 40-
	Treams (upont Program)		
	Income support inogrami		_
•	Access to affordable healthcave and education	-11	_e_
•	Crime Prevention Strategies		
•	Crime Prevention Strategies Community policing and improved law enforcement	186	
	enforcement		
			0
•	Rehabilitation and reintegration programs for		0
100000	offenders		-
	Sin has a side in the Transportion of as might		0
6.	Challenges in implementation		0
	Letiers intersecutions to Mitigate Louis		6
•	(puruption and mismanagement in policy.		
E	Cossuption and mismanagement in policy execution	٠	-6
			-
•	Lack of coordination among government	5	6
	agencies		
	in analysis begans it switcher my consist	9	•
	Resistance to reform due to political and		•
	economic constraints		•
	Internet to the	,,	•
7.	Conclusion		6
	age at a second it concerns a server sight		
	in and wearing in a language in a continuent	1	
		+	
		+	
		-	-
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	IT to dustion	
	Introduction	F W
	De de la companya de	
	Poverty and unemployment are among the	
	most pressing socio-economic challenges	
	Pokict an contributing significantly to the	
	country's chime rates. When individuals the	
	Lacir resources or employment opposituations,	
	the order Face desperation, leading to an	
·	cuitalist such as mets	
	robbery, and even violent offenses. The interplay	
	between poverty, unemployment, and crime.	
	is particularly evident in Pakistan, where	
	economic disparities, rapid urbanization, and	
	economic disparities, mater have	
	inadequate social safety nets have	•
	exacerbated the situation. Thes guestion	
	examines the impact of poverting and	
	unemployment on crime rates in Pakistan	9
	and suggests policy interventions aimed at	
	addressing these issues to promote social	
	stability and economic prosperity.	
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. Da	ted:	
	Section-III	
Q. No. 7	Discuss the advancements in forensic science and	
,	their rate in madern criminal investigations in	
-	Pakistan (20 Marks)	a_
v	the second control of	
*	Outline	
. 1.	Introduction	
	me of the initial state of the same of the same	
. 2.	Key Advancements in Forensic Science	9
<u>.</u>	the terminal control of the state of the sta	4
·	DNA Analysis	0
	Role in identifying suspects and exonerating the innocent	
,	innocent	_
<u> -</u>		
	Use in paternity testing and mass disaster investigations	-
·	investigations	
·	No. 1 1 To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
·	Digital Forensics	-
	Recovery of electronic evidence (e.g., emails,	=
<u></u>	socials media, phone data)	_
-	T 11: 1 - 1 - 1:	
	Tackling cyberesimes	
	D. Histing of Finance Analysis	_
	Ballistics and Fivearm Analysis Matching bullets and fivearms to crime scenes	
	I Valching butters and I wearms to crime scenes	9
	Marie Analysis	
	Fingerprint Analysis	
	1	_
•	Automated fingerprint identification systems (AFIS)	
	(AFIS)	

Dated:		
	Toxicology and Drug Pesting Detection of drugs, poisons, and alcohol in criminal cases	
	Detection of drugs, poisons, and alcohol in	٠
	criminal cases	
	Journal Loss residences	3
	Crime Scene Reconstruction Tools. 3D imaging and advanced photographic techniques	
	3D imaging and advanced photographic techniques	
-		9
	Forensic Psychiatry Assessing criminal intent and mental health.	
	Assessing criminal intent and mental health.	
•		
3.	Role of Forensic Science in Modern Criminal Investigations in Pakistan	- G
	Investigations in Pakistan	
-	The second secon	-
	Improved Exidence Collection Use of scientific methods to enhance accuracy	-
	Use of scientific methods to enhance accuracy	16
		- •
	Enhancing Conviction Rates Strengthening cases with Forensic evidence in courts	Later Control
	Strengthening cases with Forensic evidence in courts	
	· · · · · · · · · · · · · · · · · · ·	
	Combating Organized Crime Tracking and prosecuting drug cartels, terrorist. groups, and human traffickers	
	Tracking and prosecuting drug cartels, terrorist.	
•	groups, and human traffickers	
-		
	Exonerating Innocent Individuals. Avoiding wrongful convictions with precise evidence.	
	Avoiding wrongful convictions with precise	
-	avidence	
	evicco.	
<u> </u>	CI llander in Dekictan's Forensic Landscape	
4.	Challenges IN faustures 1022 10	A.F.
•	Challenges in Pakistan's Forensic Landscape Limited Ingrastructure	
· ·	Few state-of-the-art forensic laboraties (e.g., Punjab. Forensic Science Agency)	
	Forensic Science Agency)	

-		- 0	•
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$\boldsymbol{\nu}$	uı	Си	•

Direction.	
- Lack of Skilled Professionals	٠
· Shortage of trained forensic experts and technicians	
· Cossuption and Misuse	
Deta tial to said a contain an history i exerts	
· Potential for evidence tampering or biased reports	
a landa de Paradoude Cons	
· hegal and Procedural Gaps	
· Delayed case processing and insufficient incorporation	6
of Forensic findings	- 19
· Public Awaveness and Trust	E
· himited understanding of Forensic science among	
law enforcement and the judiciary	
Jackson Linear Comment	•
5. Policy Recommendations.	6
· Capacity Building	
· Establishing more Forensic labs across provinces:	•
· Training law enforcement and judiciary on	
forensic techniques	
The state of the same	
· lechnological Upgrades	*.
· Investing in modern forensic tooks and techniques	
Strengthening Legal Frameworks	
Developing laws to ensure admissibility and reliability	,
Strengthening Legal Frameworks Developing laws to ensure admissibility and reliability of Forensic evidence	
Publie-Private Partnerships Collaborations to improve research and resource: availability:	.1
Collaborations to improve accounts	-1
availabilities	•
and the second s	
tennes in the second	

•	Raising Public Awareness Campaigns to build trust in forensic science as a tool for justice	
0	Campaigns to build trust in governsic science	
	as a tool for justice.	
	in it was a polymon of the later of the late	
6.	Conclusion	
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	hand the bound of bolished have strenged to his	
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	of the first tree and the residence of the first offer of	
	- Land with the rest to the contract of	_
	Sand the high the sit was a strain to be selled	_
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	Introduction more in significant	
	The state of the second of the second	
	Forensic science has emerged as a cornerstone of	
	modern criminal investigations, offering scientific	
	methods to uncover the truth and ensure justice.	
	Globally, advancements such as DNA analysis,	
	digital forensics, and ballistics have transformed	
	traditional policing into evidence - based practices.	
	In Pakistan, the integration of Forensic science into	
_	criminal investigations is steadily growing,	
	highlighted by institutions like the Punjab Forensic	
	Science Agency. Despite these developments,	
	challenges such as limited infrastructure, lack	
	of skilled professionals, and procedural	
	inefficiencies hinder its full potential. This question	
	explores the advancements in forensic science	
	and evaluates their role in enhancing criminal	
	investigations in Pakistan while addressing	
	existing gaps and opportunities for improvement.	
	V V	
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		+

•	Dated:	
6.	Duttu.	Write short notes on: (10 Marks Each) Innovators
6	•	Section - IV
*	Q. No. 9	Write short notes on: (10 marks wass) innovators
*		white coller crimes
	(a)	Cybeverime legislation in Pakistan. and social
		tearring treory
8		Cybercrime legislation in Pakistan primarily
8		revolves around the Prevention of Electronic
-6		Crimes Act (PECA) 2016, which addresses
		various online offenses, including backing,
4		various online offenses, included havasment,
-		identity theet, cyberstalking, online havassment,
9		and dissemination of illegal content. The act aims
-		t 1- sacred individuals privately and
-		14 Malfornis It digital Malfornis
-		, but a speech cyber tenorism, and frame
		grand committed through electronic means.
~		J C
-		The Federal Investigation Agency (FIA) is responsible
-		as in Dementing (PECA), and investigating
-		cybercrimes. Despite its significance in combating
1	-	digital offenses, PECA has faced criticism
-		for vague definitions, lack of accountability,
•		are potential misuse to stifle Free speech.
-		are potential misuse to suffer free presentates
*		The rapid evolution of technology necessitates
*		regular updates to the law and enhanced
-		training for law enforcement to effectively
		counter cyber threats.
D.		
9		these notes are too short
Ø-		you need to write 4 pages for each note and
4		8 pages for an answer
7		i hope you know this and mere outlines is not written

\mathcal{D}^{a}	ited:	
,b)	Role of Media in Shaping Public Perception of Crime	-
(5)	Crime in in in the man have	5. de. 3
		-
	The media plays a pivotal role in shaping public	(3)
	perception of crime by influencing how incidents	-
•	are reported and interpreted. Through news	
	outlets, social media, and entertainment, it	
	highlights certain types of crimes, often	
	Sensationalizing events to attract attention. This	
	can lead to a distorted perception of crime rates,	(
	creating fear and moral panic among the public	C
	since her coursel is abligated by a side	
	Positive impacts of media include raising awaveness	-
	about criminal activities, promoting vigilance, and	
	pressuring authorities to take action. However,	
	irresponsible reporting can stigmatize communities,	
	propagate sterotypes, and hinder fair trails by	-
	prejudicing public opinion. In takistan, the growing	€
	reach of digital platforms has amplified media	
-	incluence; making it essential for journalists to	•
	adhere to ethical standards to ensure.	•
	accurate and balanced reporting.	-
	halfore to the contract of the	
	constructivism and post modernism	
	10/20	