Cus criminala DATE : ____ /___ /____ Critically analyze the biological theories of criminality. NTRODUCTION The biological theories of criminality rose to promenance during the positivist cra of the subject. During thes era, the leading figures transformed this subject into a sciencific one. Rominent names include; Crescare Lombroso, william Sheldon and so on This era's theory are sub-divided into two categories BIOLOGICAL POSITIVISM ENETIC BIOCHEMICAL Cessare Lombrossos -> Neurofransmitter theory → Central Nerous System Theory of Alavistic Maz Somato typology theory Hormones / Tes tostrones William Sheldon Theory Evolutionary - Neuro bio Logical Theory Genetic Theory ->Autonomic System Physiognony/ Phrenology. Theory



DATE: __/__/_ JF ENETIC HEORYES BIOLOGICAL POSITIVIST ERA Cessare Lom broso's - Theory of Atavestec 2) Man Cessare Lombrosso, Pn the year 1880, specified the anatomical, genetic abnormalities of the criminal in 1876, he published The Criminal Man ; which included the examination almost 1400 non-criminal Italian Soliders and 90 wnatices." He referred to criminals as throwbades to a more primative stape of development - atavism. He associated the criminals. with lower primates as people whose mental and biological development wasn't up to par For him, the wininal was altogether an entire deppenent specie. Moreover, he was of the view that the criminal was born and not ideas from a contemporary stand point are generally dis reparded and discredited. However, the time his ideas were considered revolutionary. Some of his descriptions criminals are as follows &



DATE : ____/___/ than 3mm The distance between are no more Oblique Eyelids and projection of couver pace and jaw were also frails of ives and other criminals. the Somatotypology- Willam Sheldon 16) Willam Sheldon in 1949, examined abound Boston. He worked at the body 200 men Pn types or somatypes. These are given below. Somatyping Mesomorph Endomorph Ectomorph Musailar large lean, fragele trunksheavy large delicate had Soft and Roun large delicate body, Short tapening lembs, velvery whists and hands droopy shouldes little body skin mass. He concluded that mesomorphs were generally more highly characterised by trails particular suitable to the commission of acts of apression. les were found He also noted that delinguest ma to be low in cetophy and high in nesomorphy ater studies by Eleanor and Sheldon Glueck confirmed that the number of delinguents, in Their study, contained more mesomorphi than The non-delinquents one towever, the rise of socialogical positivism and Edwin Sotherland ud to this theory being side whed.



DATE : ____/_ ------Evolutionary Thion c) tionary theory, according cominologists, outlines and aggression produce VIOLence passi produced through the long process o the competitio. . It contends th has, inf hunced scare were resources aviour patterns gre himan species impulsive behaviour is passed to generation. 3 main eitheory that fall under its domain. R/K Selection Cheater Ruchton's Theory of Race & Euclution Theory Theory This Theo migration This Theory suggests Human claims the from Aprica to Europel That- males with gome men rapid reproduction to endutionary use decit faits are more adaptations such as and criminal prone to chiming increased brach mass Lehavior will behevior for and reduced aggression This was criticized for served wong west enally one not that leads Us namow and rainfl anti sociel 10 biased approach. Phospins enetic Theory: Y- Chromosome Theor d) Research in the 1960's, found a new Eguration of chromosomes make - up included an This Keup. Normally, the genetic Y- chromosome. entra



DATE:_ _/_ is as ollows man > Men Norma Extra Chromocome Anamoly Men This was named as the super male syndrome Serial Studies found Arthur Sh thatawcros such a genetic Similar possesed Minderer amark studies showed Pn the UK possessing such genetic no number men Phrenology e) hysiognomy 809 Stuc th respectively. Giamba Hista della Italian Porta an physician is redited Souring (Jee) seeds of This field. tented that chiminals Sella Java identifiable ahres liar made them theines Sharp cycesight and larg is and do on later on Austrian Gall Physicias Joseph and size of the angued the contours the criminal. He ald about ek various parts in the brains identified 0 " theft organ and as the convicted theines 50 m



DATE : ___/__/_ BIOCHEMICAL HEORIES BIOLOGICAL POSITIVIST RA Neurotransmitter Theory 12) This theory contends thatnemotransmitters are chemicals electrical inpulses within the brain to transmitted and which form the basis of processing of information. Come lin mited midence conteils that the Jollowing neurotransmitters have some with anti-so was Lehaviour a) Dopamine b) Scrotonin -Neropénephine e) A meta-analysis by Raine indicated that people with less scrotonin levels have been described as people with cinti-social behaviour. towever the complexities of the branch and relation of other Jactors (enternal) seem to complicate the findings.



DATE: ___/___ Central Newous System Theory 6) The Central Newous System comprises of the brain, and the spinal cord. In this, electrical signals are recorded, any disorganization them may lead to recomment sevenes. A con condition epülipsy. known as study done in prison found the mevalence of epilipsy to be 0.25% higher than general population and. In America, this reached in the prisons. recent studies as of now, show in consistent results, with no strong abroman evidence connecting ibrain outinity to criminal Lehaviour. Hormones / Testostrones Theory c) This study explores the correlation of hormones and testostrone to muidence and aggression. This research was firstly done on arim and later on humans. A study was done on '4000 military perconnel and it found a link between testostrone levels and adult offerding. However, on a the Social factors' were controlled, the link was diminished. At in all, there were several potential difficulties with data collection and research in This, but the following was drawn



DATE : ___/__/_ Levels of Hormones and Aggnession work Pn both ways! 1 x Cares Higher the Hormone Live Ps Huightened aggression (Feedback) Loop Greater Hormone Lund 2 md Care 8 Higher the hormone levels (Social Judiors Controlled) Lower aggression terrels tes Hormon & tends Neurobiogical Theory d) This Theory comprises of a broad francesork that examines how various biological produs in the brain and mervious system Lehavior. It indudes the study in tuence of a wide-range of factors a) Brain Structure and Fundion 6) Neurofransmitters c) Hormones and Their Influence d) Genetic Factor e) Overall Neural Health and Connectivity



DATE : ___/___/___ This theory theories and muestegates biologica pactors on behavior DA cinine perially on has also However to cnºticism subject oversimplifies biological t solely findings attributing complexity of brain a effect of enternal pacions with as weatern also contribute to th ironmental this theory. 07 System Theory Autonomic e) (ANS) n regulates nervour system autonomic The as involuntary Junctions reasured commonly through tach appusal levels etors sweat through glands. A higher anyousa is worked to person als with Low (ANS) responsiveness a strong stimuli to react. This has been delinquient behaviour. Some shudies fo anti soci-That viduals ane kized by Lower arouse P and may seek Less Jear. and stimulation may cahizit Ultre this theore However, criticism o reliability of Une detectors are unclear cause and - flects relationships. and over reliance on biological fu Los



DATE: __/_/_ ONCLUSION Biological theories of Criminology have fied to explore how biological in and genetic play a biochem in influencity behaviours of individuals. There inficule complexities of the tried to eaplain nale-up of criminals and enplored genetic one dear student content is fine but reduce the length of detail conclude the ans on 8th page max rest is fine 10/20

