

(4)

Unit-III / FkæF-III

6. Briefly describe the techniques for the collection of Finger and Palm prints and how we formulate them for dermatoglyphic analyses?
Delegue SJob nLeser keær ÚehelKææs SkeæFle keáj ves keær efceDeÚeelKææ me#ehle JeCæte keæpelles Deej yeefÚes ekeá efelMuéseCe keá efrelles nce Gvns ekeæme Úekeáj me#eyæe keáj les nP

7. Briefly explain the finger and palmar indices and discuss their significance in dermatoglyphics for the identification/investigation of suspects and criminals.
Delegue SJob nLeser keá meÚeKæækeæb keæ me#ehle efleJ Ce oæpelle Deej Jlebeækeá henÚeeve me#iDe SJob Dehej eOer DevJeseCe keá IJeká jKeæde efelMuéseCe cellGvekeær efleJesvee keæpelles

Unit-IV / FkæF-IV

8. What is Forensic Psychology? Briefly explain the basis of human social behaviour.
vÚeeÚeKæá cevee#e%eeve ke#ee nP ceveJæde meeceæpkeá JÚeJenej keá DeeDeej keæ me#ehle JeCæte æmlæje keæpelles
9. What is aberrant behaviour? How Psychological testing is helpful in the detection of criminal predisposition and criminal behaviour?
efle#eer JÚeJenej ke#ee nP Dehej eeDekeá JÚeJenej Dehej eeDekeá ÚeJeebe keá heej ÚeÚeve cellvevee#keæe#keá hej e#eCe ekeæme Úekeáj meneÚeKæá nes nP

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(Printed Pages 4)

Roll No. _____

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P.G. Diploma in Forensic Science
Examination, 2015

PAPER-III

(Forensic Biology & Psychology)

Time Allowed : Three Hours] [Maximum Marks : 100

Note : Question No.1 is compulsory. Four questions must be attempt one question from each Unit.

ÚelMe me# 1 DeevÚeeÚe n# Úeej ÚelMveelKææ, ÚelÚeKæá FkæF&cel mes Skeá ÚelMe keæ Gøej FmeKæá Deelæej ðeá oree n#

1. Write short notes on the following:

eqecveeÚeeKele hej me#ehle efshæCæÚeeB efueekÚes

(i) Physiology

Mej e#ealÚee efle%eeve

(ii) Proteins

Úee#æve

(iii) Assimilation

heej heeÚeve Deelcemeelkeáj Ce

(iv) Tidal Volume

pJeej efle DeelÚeve

P.T.O.

(2)

(v) Respiration

MJeemeesUJeeame eSeUee

(vi) Endocrine glands

Dehe:EEeeJeer keefLeUee

(vii) Body fluids and Forensic Investigation

Meej eefj kaá lej ue SJeB vUeeUeKaá DevegeDeeve

(viii) Digital Triradius

DeehiegeUeKaá SepUee

(ix) a-t-d angle

a-t-d keeSe

(x) Lie detection

PeT' henUeeve/heef UeUee

Unit-I / FkaeF-I

2. What is "hair pin counter current multiplier system"? Discuss the mechanism of production of Urine by kidneys.

"Hair pin counter current multiplier system"

keálee nif Jekieeab Eeje coSe GIheeeve keáer eSeUee-efeeDe keáer eleeUeeve keáep eUes

3. Enumerate the harmnes secreted by Adrenal gland and their effect on body functions.

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(3)

S[j efreue «ee/Le Eeje eeeefee neje ceeseelWSJeb Meej eefj kaá keáeUeeXhej Gvekaá DeYeeJeell/keáer ieCevee keáep eUes

OR / DeLeJee

What is the role of insulin in the metabolism of Glucose? Explain.

iuekeápe kaá GheehUee cell/insulin keáer keálee YeeEkeáe nif mheš keáep eUes

Unit-II / FkaeF-II

4. Describe the components of blood. How is serum different from plasma?

j oá kaá DeJeUeeell/keáe JeCeUe keáep eUes- meeje, hueepcee mes ekeáme Dekeáj e/ve neee nif

5. Briefly explain:

(i) Importance of Fructose in Semen.

(ii) Complete blood counts in an adult healthy male.

(iii) Different types of Plasma proteins

me#ehle JeCeUe keáep eUes

(i) JeUe& cell/oeakešep e keáe cenIJe

(ii) Skeá mJemLe JeUemkaá hej" e keáer meheCe& j oá ieCevee

(iii) elee/ve Dekeáj keáer hueepcee Dešere-

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P.T.O.