

Questions sent by the Police to the Forensic Science Laboratory on 16th March 1990

Question I. Item nos. D, F, G, I, J, L, M, Q, R and T are for blood. If so, its origin and group.

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (27-10-90)	GOI serologist finding (recd 16-7-90, report 25-10-90)
D	Torn panty with stain		Blood present	Human blood stain (not sufficient for test)
F	Midi underwear with stain		Blood present	Stained with human Group B blood
G	Pink skirt		Blood present	Stained with human blood (not sufficient for test)
I	Blood collected in cotton from P.O.	No control? Unstained part used as control	Blood present	Human blood (not sufficient for test)
J	Blood-like stain on newspaper from P.O. (with control in packet marked K)	Packet K contained stained sponge and unstained cotton-wool, instead of control for newspaper. Unstained part of J used as control	Blood present in J (and in sponge of packet K too!)	Stain on newspaper is human blood; result of blood group test is inconclusive; blood stain on sponge is disintegrated (source cannot be determined)
L	Metal neck chain and hair collected in cotton		Blood too little for determination of origin/group	(Sample not sent to GOI serologist)
M	Printed cloth (handkerchief?) with stain	Found in wet condition	Blood present	Blood stain on cloth is disintegrated (source cannot be determined)
Q	Hetal's blood soaked in blotting paper (with control QI) collected in morgue		Blood present	Human blood; insufficient for test of group
R	Hetal's nail cutting collected in morgue		Blood too small for determination of origin/group	(Sample not sent to GOI serologist)
T	Blood from P.O. kept in saline water, with control (H)	Soaked in bandage cloth for exam	Blood present	Blood sample is disintegrated (source cannot be determined)

Question II. Item nos. D, F, G, M, O, P and S are for semen. If so, its origin and group.

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (27-10-90)	GOI serologist finding (recd 16-7-90, report 25-10-90)
D	Torn panty with stain		Too little semen	(Sample not sent)
F	Midi underwear with stain		Too little semen	(Sample not sent)
G	Pink skirt		No semen	
M	Printed cloth (handkerchief?) with stain	Found in wet condition	No semen	
O	Hetal's urethral swab collected in morgue*	Appears to be vaginal swab of Hetal	No semen	
P	Hetal's vaginal swab collected in morgue*	Glass slide said to be vaginal smear of Hetal	No semen	
S	Hetal's pubic hair collected in morgue		Semen present	Human semen; not sufficient for test

*Not mentioned in post mortem report.

Question III. Item nos. D, F, G, M, N, L and S are for hair. If so, its origin, whether there is any pubic hair in any of these items except item no. S, whether in item no. N is identical to those of item no. L and whether any scalp hair in item nos. D, F, G and L are identical to those of item no. N.

Question IV. Item nos. D and S are for pubic hair. If so, whether these are morphologically similar and identical, whether the pubic hair, if found in item no. D, is that of a male or female.

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (27-10-90)
D	Torn panty with stain	One long and two short strands of hair adhered to it	Human scalp hair; different from L and N
F	Midi underwear with stain	No hair	
G	Pink skirt	No hair	
M	Printed cloth (handkerchief?) with stain	Found in wet condition	
N	Hetal's scalp hair collected in morgue*		Human scalp hair; different from D and L
L	Metal neck chain and hair collected in cotton		Human scalp hair; different from D and N
S	Hetal's pubic hair collected in morgue		(No scope of comparison)

Question V. Whether there is any mark of violence on item nos. D, F, G, L and N.

(Possible bungling – perhaps N should have been M.)

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (25-10-90)
D	Torn panty with stain	White printed panty	Panty is fitted with elastic around the waist and thigh openings. Marks of application of force were observed in the form of disjoining of stitched elastic joint of the thigh openings, tearing off of left and right vertical stitches, inclined tear of 11 cms from the front right of thigh opening, tearing off of 6.5 cms long stitches on the lower part of right thigh opening.
F	Midi underwear with stain		White skirt type undergarment of lower circular opening of dia 37 cm with elastic waist pleat bore sign of application of force in the form of tearing off of 12 cm long lower part stitches of one of the vertical joint.
G	Pink skirt		Lower opening of dia 42.5 cm with elastic on half of the back of waist pleat bore no significant mark of violence.
L	Metal neck chain and hair collected in cotton	Chain 18" in length	55 cm chain bore mark of application of force in the form of opening of joint of fixed ring, soldered on one side of the middle hooking ring.
N	Hetal's scalp hair collected in morgue*		(Not appropriate for examination of application of force)
M	Printed cloth (handkerchief?) with stain	Found in wet condition	(Not examined for application of force)

Question VI. Whether there is any foreign material in item no. R.

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (27-10-90)
R	Hetal's nail cutting collected in morgue		No significant foreign material other than blood too small for determination of origin/group could be detected.

Question VII. Any other point of interest which might help in investigation according to you.

No specific point mentioned.

Questions sent by the Police to the Forensic Science Laboratory on 28th May 1990

Question I. Item nos. A, B, C, X, X1, X2 and X3 are for blood. If so, its origin and group. (Typing error in paperbook? Item no. W was not mentioned, but there was report on it all the same. **No blood test on U.**)

	Police description (sent on 28-5-90)	FSL description (on receipt on 28-5-90)	FSL finding (27-11-90)	GOI serologist finding (recd 30-7-90, report 22-10-90)
A	Sunmica top wooden cradle with blood stain	Cradle with four metallic rings; dark stain material collected on cotton swab	Blood present	Blood on swab is disintegrated (source cannot be determined)
B	Screw and broken latch with screw with blood stain	Dark stain material on latch-lock collected on cotton swab	Blood present on lock only	Blood on swab is disintegrated (source cannot be determined)
C	One button of shirt seized from P.O.	No visible stain	No blood present	(Sample not sent to GOI serologist)
W	Hetal's wearing apparels sealed from morgue	Brassiere, ganji, chadar	Blood present in all three pieces	Blood on ganji and chadar cuttings are Human Group B blood ; blood on brassiere cutting is disintegrated (source cannot be determined)
X	Dhananjoy's blood sample on blotting paper	2 stained filter papers (no control?); unstained part used as control	Blood present	Human Group O blood
X1	Dhananjoy's blood EDTA	Glass vial with bright red liquid; collected on bandage cloth	Blood present	Human blood (insufficient for test)
X2	Clotted blood of Dhananjoy	Glass vial with bright red liquid; collected on bandage cloth	Blood present	Human Group O blood
X3	Dhananjoy's blood citrate	Glass vial with bright red liquid; collected on bandage cloth	Blood present	Blood is disintegrated (insufficient for test)

Question II. Whether item no. C is identical and similar with the buttons of item no. U in composition, nature and manufacture and whether all the buttons of item no. U are identical and similar in composition, nature and manufacture.

	Police description (sent on 28-5-90)	FSL description (on receipt on 28-5-90)	FSL finding (25-10-90)
C	One button of shirt seized from P.O.	No visible stain	All the buttons stitched on the synthetic shirt excepting the third button from the top on the front vertical buttons pleat were light cream coloured and stitched in similar pattern with off white thread of 3 ply and Z type twist; whereas the third button was white, stitched in a different pattern with milky white thread of 2 ply and Z type twist. All the buttons in the front buttons pleat of the shirt (U) excepting the third white button were cut off and compared with the button marked C. It was observed that the buttons C was similar with buttons cut off from the shirt in respect of shape, dimension, colour and weight up to the hundred part of a milligram.
U	One cream coloured full shirt, seized from Dhananjoy's house	No visible stain on cream colour self design full sleeve open breast shirt	

Question VII. Any other point of interest which might help in the investigation according to you.

	Police description (sent on 28-5-90)	FSL description (on receipt on 28-5-90)	FSL finding (25-10-90)
U	One cream coloured full shirt, seized from Dhananjoy's house	No visible stain on cream colour self design full sleeve open breast shirt	Mark of application of force, downward with respect to the shirt could be observed beneath the third white button, at the position where the original buttons had been stitched.

Question III. Whether item no. B is in order. If so or not, what are its mechanism, functions and operation. Whether item no. V is the key of item no. B.

	Police description (sent on 28-5-90)	FSL description (on receipt on 28-5-90)	FSL finding (25-10-90)
B	Screw and broken latch with screw with blood stain		Exhibit B is a latch-cum-lock having sliding bolt which keeps a door bolted from inside by spring action when the door is pushed outward from inside or pulled from outside. The only way to unbolt a door thus bolted, from outside the room is by operating a key through a key hole, and from inside the room by restricting the freedom of unbolting knob by operating a separate locking knob beside the unbolting knob.
V	Godrej key of door lock	No. 636362, no visible stain	(No answer on whether V is key to B)

Question IV. Whether any pubic hair of a male is found in item no. D sent on 16-3-90. If so, whether those are morphologically similar to item no. Y.

	Police description (sent on 16-3-90/28-5-90)	FSL description (on receipt on 16-3-90/28-5-90)	FSL finding (27-10-90)
D	Torn panty with stain (sent on 16-3-90)	One long and two short strands of hair adhered to it	Human scalp hair; different from L and N
Y	Dhananjay's pubic hair (sent on 28-5-90)	Preserved for comparison with item D	No further comment (on 27-11-90 or later)

Question V. What is the origin and group of item no. Z, whether any semen is found in items no. D, F, G, M, O, P and S sent on 16-3-90. If so, whether those are identical and similar to item no. Z in origin and group.

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (27-10-90)	GOI serologist finding
Z	Dhananjay's seminal fluid (sent on 28-5-90)	Turbid liquid in test tube, soaked in cotton wool for examination (receipt on 28-5-90)	Semen detected	Semen stain disintegrated; origin cannot be determined (recd on 30-7-90, report on 22-10-90)
D	Torn panty with stain		Too little semen	
F	Midi underwear with stain		Too little semen	
G	Pink skirt		No semen	
M	Printed cloth (handkerchief?) with stain	Found in wet condition	No semen	
O	Hetal's urethral swab collected in morgue*	Appears to be vaginal swab of Hetal	No semen	
P	Hetal's vaginal swab collected in morgue*	Glass slide said to be vaginal smear of Hetal	No semen	
S	Hetal's pubic hair collected in morgue		Semen present	Human semen; quantity insufficient for test (recd on 16-7-90, report 25-10-90)

Question VI. Whether there is any mark of violence on item no. W.

	Police description (sent on 16-3-90)	FSL description (on receipt on 16-3-90)	FSL finding (25-10-90)
W	Hetal's wearing apparels sealed from morgue	Brassiere, ganji, chadar	On the black baggie T-shirt, marks of application of force in the form of disjoining of stitches, 5 cms on the right, 4.5 cms on the left of neck pleat joints, and tears of 3 cms on the left of shoulder joints could be observed. Brassiere and chadar had no significant mark of violence.