

DU MSc Forensic Science

Topic:- FS MSC

1) A cognizable offence means[Question ID = 7022]

1. Arrest without warrant [Option ID = 28085]
2. Imprisonment up to one year [Option ID = 28086]
3. Only fine can be imposed [Option ID = 28087]
4. Imprisonment up to five years [Option ID = 28088]

2) Minimum age to be a witness in the court of law is[Question ID = 7023]

1. Seven years [Option ID = 28089]
2. Ten years [Option ID = 28090]
3. Any year [Option ID = 28091]
4. 15 years [Option ID = 28092]

3) Dying declaration ideally is to be recorded by[Question ID = 7024]

1. Police [Option ID = 28093]
2. Magistrate [Option ID = 28094]
3. Medical officer [Option ID = 28095]
4. Deputy Commissioner [Option ID = 28096]

4) Summon is a document of the court[Question ID = 7025]

1. Compelling attendance of a witness [Option ID = 28097]
2. Guarantee money of witness [Option ID = 28098]
3. Providing legal immunity to witness [Option ID = 28099]
4. That can be attended within a year [Option ID = 28100]

5) Which of the following sections of IPC deals with criminal negligence?[Question ID = 7026]

1. Section 302 [Option ID = 28101]
2. Section 304 [Option ID = 28102]
3. Section 304A [Option ID = 28103]
4. Section 120 [Option ID = 28104]

6) Most frequent sign of death due to antemortem hanging is[Question ID = 7027]

1. Cyanosis of face and lips [Option ID = 28105]
2. Ligature marks around the neck [Option ID = 28106]
3. Protruding tongue [Option ID = 28107]
4. Trickling of saliva, down the angle of the mouth [Option ID = 28108]

7) Molecular death means[Question ID = 7028]

1. Complete and irreversible cessation of brain, heart and lung functions [Option ID = 28109]
2. Death of individual cells and tissues after somatic death [Option ID = 28110]
3. Vital functions are at such a low pitch that can not be detected by routine examination [Option ID = 28111]
4. Total loss of EEG activity but heart is functioning [Option ID = 28112]

8) In a child, first permanent tooth to erupt is[Question ID = 7029]

1. Central incisor [Option ID = 28113]
2. First molar [Option ID = 28114]
3. Canine [Option ID = 28115]
4. Lateral incisor [Option ID = 28116]

9) Greenhouse gases are[Question ID = 7030]

1. Absorbers of long-wave heat radiations from earth [Option ID = 28117]
2. Transparent to both solar radiations and long-wave radiations from earth [Option ID = 28118]
3. Absorbers of solar radiations for warming the atmosphere of the earth [Option ID = 28119]
4. Transparent to emissions from earth for passage into outer space [Option ID = 28120]

10) Acromion process characteristically is found in the[Question ID = 7031]

1. Pectoral girdle of mammals [Option ID = 28121]
2. Sperm of mammals [Option ID = 28122]
3. Pelvic girdle of mammals [Option ID = 28123]
4. Skull of mammals [Option ID = 28124]

11) Which statement about Mendel is true[Question ID = 7032]

1. His principles of inheritance were generally accepted at his time [Option ID = 28125]
2. He discovered linkage [Option ID = 28126]
3. He believed that genetic traits of parents will generally blend in their children [Option ID = 28127]
4. His principles about genetics apply usually to both animals and plants [Option ID = 28128]

12) In human genome

- A. Junk DNA is abundant
- B. Less than 2% of genome codes for proteins
- C. Total number of genes is about 200,000
- D. Least number of genes are present on Y chromosome

Choose the *correct* answer from the options given below:

[Question ID = 7033]

1. A, B and D only

[Option ID = 28129]

2. A, B and C only

[Option ID = 28130]

3. B, C and D only

[Option ID = 28131]

4. B and C only

[Option ID = 28132]

13) An isolated population with equal number of blue-eyed and brown-eyed individuals was decimated by earthquake. Only a few blue-eyed individuals survived to form the next generation. The change in gene pool is [Question ID = 7034]

- 1. Hardy-Weinberg equilibrium [Option ID = 28133]
- 2. Blocked gene flow [Option ID = 28134]
- 3. Founder effect [Option ID = 28135]
- 4. Bottleneck effect [Option ID = 28136]

14) Greater trochanter is present in [Question ID = 7035]

- 1. Fibula [Option ID = 28137]
- 2. Skull [Option ID = 28138]
- 3. Femur [Option ID = 28139]
- 4. Tibia [Option ID = 28140]

15) Diastema is present on the [Question ID = 7036]

- 1. Tooth [Option ID = 28141]
- 2. Fibula [Option ID = 28142]
- 3. Dental Arch [Option ID = 28143]
- 4. Femur [Option ID = 28144]

16) Which of the following is a monosaccharide? [Question ID = 7037]

- 1. Fructose [Option ID = 28145]
- 2. Sucrose [Option ID = 28146]
- 3. Maltose [Option ID = 28147]
- 4. Lactose [Option ID = 28148]

17) A long straight chain of glucose units twisted into a helical coil is [Question ID = 7038]

- 1. Amylose [Option ID = 28149]
- 2. Cotton fibre [Option ID = 28150]
- 3. Amylopectin [Option ID = 28151]
- 4. Jute fibre [Option ID = 28152]

18) A man with type A blood group marries a woman with type AB blood group. What are the different blood groups of their children could have? [Question ID = 7039]

- 1. A only [Option ID = 28153]
- 2. AB only [Option ID = 28154]
- 3. A and AB only [Option ID = 28155]
- 4. A, B and AB [Option ID = 28156]

19) A stain can presumptively be identified as blood by the

[Question ID = 7040]

- 1. Barberio test [Option ID = 28157]
- 2. Leocomalachite green test [Option ID = 28158]
- 3. Amylase test [Option ID = 28159]
- 4. Acid phosphatase test [Option ID = 28160]

20) The term 'Metabolome' refers to the [Question ID = 7041]

- 1. Total genetic content [Option ID = 28161]
- 2. Total protein content [Option ID = 28162]
- 3. Total small molecule content [Option ID = 28163]
- 4. Total enzyme content [Option ID = 28164]

21) The DNA restriction enzymes were discovered by [Question ID = 7042]

- 1. Hamilton Smith & Daniel Nathans [Option ID = 28165]

2. Watson & Crick [Option ID = 28166]
3. Stephen Gould & Niles Eldredge [Option ID = 28167]
4. Manfred Eigen & Manfred Sumper [Option ID = 28168]

22) The first rapid DNA sequencing technique with dideoxynucleotides and gel electrophoresis was described by[Question ID = 7043]

1. Hamilton Smith & Daniel Nathans [Option ID = 28169]
2. Walter Gilbert & Allan Maxam [Option ID = 28170]
3. Frederick Sanger & Alan Coulson [Option ID = 28171]
4. Manfred Eigen & Manfred Sumper [Option ID = 28172]

23) The 'one-gene-one-enzyme' hypothesis was put forth by[Question ID = 7044]

1. Archibald Garrod [Option ID = 28173]
2. Willard Gibbs J [Option ID = 28174]
3. Antoine Lavoisier [Option ID = 28175]
4. Beadle & Tatum [Option ID = 28176]

24) An enzyme without cofactor is referred to as[Question ID = 7045]

1. Holoenzyme [Option ID = 28177]
2. Zymogen [Option ID = 28178]
3. Apoenzyme [Option ID = 28179]
4. Co-enzyme [Option ID = 28180]

25) The colour of bilirubin is[Question ID = 7046]

1. Orange [Option ID = 28181]
2. Yellow [Option ID = 28182]
3. Green [Option ID = 28183]
4. Red [Option ID = 28184]

26) Deficiency of the vitamin tocopherols results in[Question ID = 7047]

1. Rickets [Option ID = 28185]
2. Carbohydrate dysfunction [Option ID = 28186]
3. Pellagra [Option ID = 28187]
4. Serious neurologic dysfunction [Option ID = 28188]

27) Phenol-chloroform extraction methods is used for[Question ID = 7048]

1. Hand prints extraction [Option ID = 28189]
2. DNA extraction [Option ID = 28190]
3. Haemoglobin extraction [Option ID = 28191]
4. Semen extraction [Option ID = 28192]

28) The double-stranded template DNA when heated to produce single strands is known as[Question ID = 7049]

1. Annealing [Option ID = 28193]
2. Translation [Option ID = 28194]
3. Extension [Option ID = 28195]
4. Denaturation [Option ID = 28196]

29) Acromion process is a part of[Question ID = 7050]

1. Sacrum [Option ID = 28197]
2. Cranium [Option ID = 28198]
3. Pelvic girdle [Option ID = 28199]
4. Scapula [Option ID = 28200]

30) Diatoms belong to the group[Question ID = 7051]

1. Fungi [Option ID = 28201]
2. Algae [Option ID = 28202]
3. Lichens [Option ID = 28203]
4. Cyanobacteria [Option ID = 28204]

31) The chemical name of RDX is[Question ID = 7052]

1. Nitro glycerine [Option ID = 28205]
2. Cyclo-Trinitroperhydro-1,3,5-triazine [Option ID = 28206]
3. 2,4,6-Trinitrotoluene [Option ID = 28207]
4. Lead azide [Option ID = 28208]

32) Identify the correct sequence of the forensic protocol for the evidence acquisition process?

- A. Perform live forensics (RAM capturing)
- B. Obtain the storage device
- C. Shut down the system
- D. Perform forensic hashing and imaging of the storage device

Choose the *correct* answer from the options given below

[Question ID = 7053]

1. A, B, C, D

[Option ID = 28209]

2. A, C, B, D

[Option ID = 28210]

3. B, D, A, C

[Option ID = 28211]

4. C, B, A, D

[Option ID = 28212]

33) Given below are two statements

Statement I: A comparison microscope is comprised of two compound microscopes that are joined together by a bridge

Statement II: Comparison microscope produces a side-by-side image of the two samples being compared In light of the above statements, choose the most appropriate answer from the options given below

[Question ID = 7054]

1. Both Statement I and Statement II are correct

[Option ID = 28213]

2. Both Statement I and Statement II are incorrect

[Option ID = 28214]

3. Statement I is correct but Statement II is incorrect

[Option ID = 28215]

4. Statement I is incorrect but Statement II is correct

[Option ID = 28216]

34) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A : DNA typing provides evident advantages over traditional protein analysis

Reason R : DNA is physically much more resistant to degradation than proteins

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 7055]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 28217]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 28218]

3. A is true but R is false

[Option ID = 28219]

4. A is false but R is true

[Option ID = 28220]

35) Given below are two statements

Statement I: Fire is a form of combustion, an oxidation reaction in which noticeable heat and light are produced

Statement II: Such reactions are known, in general, as exothermic reactions because heat is given off during the chemical change

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 7056]

1. Both Statement I and Statement II are correct

[Option ID = 28221]

2. Both Statement I and Statement II are incorrect

[Option ID = 28222]

3. Statement I is correct but Statement II is incorrect

[Option ID = 28223]

4. Statement I is incorrect but Statement II is correct

[Option ID = 28224]

36) Chisso-Minamata disease is associated with[Question ID = 7057]

1. Mercury poisoning [Option ID = 28225]

2. Lead poisoning [Option ID = 28226]

3. Cadmium poisoning [Option ID = 28227]

4. Copper poisoning [Option ID = 28228]

37) Cofactors are largely[Question ID = 7058]

1. Small organic molecules and metals [Option ID = 28229]
2. Large organic molecules [Option ID = 28230]
3. Enzymes [Option ID = 28231]
4. Glycoproteins [Option ID = 28232]

38) Match List I with List II

List I	List II
A. DNA	I. Sir Alec Jeffreys
B. PCR	II. Arne Tiselius
C. Electrophoresis	III. Watson & Crick
D. DNA Fingerprinting	IV. Kary Mullis

Choose the correct answer from the options given below:

[Question ID = 7059]

1. A - I, B - II, C - III, D - IV [Option ID = 28233]
2. A - IV, B -III, C - II, D -I [Option ID = 28234]
3. A - II, B -III, C -IV, D -I [Option ID = 28235]
4. A - III, B - IV, C -II, D - I [Option ID = 28236]

39) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: A translucent design impressed into paper during manufacture is called as water mark

Reason R: Water marks are present in all kinds of papers

In light of the above statements, choose the most appropriate answer from the options given below

[Question ID = 7060]

1. Both A and R are correct and R is the correct explanation of A
[Option ID = 28237]
2. Both A and R are correct but R is NOT the correct explanation of A
[Option ID = 28238]
3. A is correct but R is not correct
[Option ID = 28239]
4. A is not correct but R is correct
[Option ID = 28240]

40) Arrange the following firearm mechanisms in chronological order of their appearance

- A. Matchlock
- B. Wheel lock
- C. Flintlock
- D. Percussion system

[Question ID = 7061]

1. D, B, A, C
[Option ID = 28241]
2. A, B, C, D
[Option ID = 28242]
3. C, D, B, A
[Option ID = 28243]
4. A, D, B, C
[Option ID = 28244]

41) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Polilight is used to detect latent fingerprints from the scene of crime

Reason R: Non-destructive methods should be used as a first step to detect latent fingerprints

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 7062]

1. Both A and B are correct and R is the correct explanation of A
[Option ID = 28245]
2. Both A and R are correct but R is NOT the correct explanation of A
[Option ID = 28246]
3. A is correct but R is not correct
[Option ID = 28247]

4. A is not correct but R is correct

[Option ID = 28248]

42) Match List I with List II

List I	List II
A. Ballistics	I. Skid marks
B. Toxicology	II. Ink
C. Physics	III. Ricochet bullet
D. Chemistry	IV. Pesticide

Choose the correct answer from the options given below:

[Question ID = 7063]

1. A - IV, B - II, C - III, D - I [Option ID = 28249]

2. A - III, B - IV, C - I, D - II [Option ID = 28250]

3. A - I, B - II, C - III, D - IV [Option ID = 28251]

4. A - IV, B - III, C - II, D - I [Option ID = 28252]

43) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Hair is an important evidence to establish the link between suspect and victim and with the scene of crime

Reason R: Human hair cannot be differentiated from a pig hair

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 7064]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 28253]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 28254]

3. A is correct but R is not correct

[Option ID = 28255]

4. A is not correct but R is correct

[Option ID = 28256]

44) The sequence of post-mortem changes in a cadaver includes [Question ID = 7065]

1. Rigor mortis, primary flaccidity, secondary flaccidity, marbling [Option ID = 28257]

2. Primary flaccidity, secondary flaccidity, rigor mortis, marbling [Option ID = 28258]

3. Marbling, secondary flaccidity, primary flaccidity, rigor mortis [Option ID = 28259]

4. Primary flaccidity, rigor mortis, secondary flaccidity, marbling [Option ID = 28260]

45) Match List I with List II

List I	List II
A. Herschell	I. Forensic Ballistics
B. Osborn	II. Forensic Anthropology
C. Krogman	III. Fingerprint
D. Hatcher	IV. Questioned Document

Choose the correct answer from the options given below:

[Question ID = 7066]

1. A - III, B - IV, C - II, D - I [Option ID = 28261]

2. A - II, B - I, C - III, D - IV [Option ID = 28262]

3. A - IV, B - III, C - II, D - I [Option ID = 28263]

4. A - I, B - II, C - IV, D - III [Option ID = 28264]

46) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Phenolphthalein reagent is used to show the possible presence of blood stain

Reason R: Phenolphthalein gives a non-specific peroxidase reaction with haemoglobin producing green colour

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 7067]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 28265]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 28266]

3. A is correct but R is not correct

[Option ID = 28267]

4. A is not correct but R is correct

[Option ID = 28268]

47) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Test fired cartridge and questioned cartridge can be compared using comparison microscope to establish the identity of the weapon

Reason R: Rifling marks on cartridge case are individualistic

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 7068]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 28269]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 28270]

3. A is correct but R is not correct

[Option ID = 28271]

4. A is not correct but R is correct

[Option ID = 28272]

48) Dental formula of human milk teeth (deciduous dentition) is [Question ID = 7069]

1. 2102 [Option ID = 28273]

2. 2132 [Option ID = 28274]

3. 2112 [Option ID = 28275]

4. 2023 [Option ID = 28276]

49) "Every contact leaves a trace", a basic principle of forensic science was given by [Question ID = 7070]

1. Joseph Bell [Option ID = 28277]

2. Raymond Locard [Option ID = 28278]

3. Edmond Locard [Option ID = 28279]

4. Mathieu orfila [Option ID = 28280]

50) What is studied in forensic pedology? [Question ID = 7071]

1. Fossilised micro-organisms [Option ID = 28281]

2. Soils [Option ID = 28282]

3. Pollens and spores [Option ID = 28283]

4. Human gait [Option ID = 28284]

51) The concept of chromatography was first given by [Question ID = 7072]

1. Berzelius [Option ID = 28285]

2. Lavoisier [Option ID = 28286]

3. Tswett [Option ID = 28287]

4. Avogadro [Option ID = 28288]

52) Foot print on snow can be preserved by [Question ID = 7073]

1. Tracing [Option ID = 28289]

2. Sulphur casting [Option ID = 28290]

3. Wax casting [Option ID = 28291]

4. Plaster of Paris Cast [Option ID = 28292]

53) The ascending level of toxicity of datura plant is in the order [Question ID = 7074]

1. Root, Seeds, Fruit, Leaf [Option ID = 28293]

2. Seeds, Leaf, Root, Fruit [Option ID = 28294]

3. Fruit, Root, Seeds, Leaf [Option ID = 28295]

4. Leaf, Root, Fruit, Seeds [Option ID = 28296]

54) The Indian Arms Act was enforced in [Question ID = 7075]

1. 1956 [Option ID = 28297]

2. 1957 [Option ID = 28298]

3. 1958 [Option ID = 28299]

4. 1959 [Option ID = 28300]

55) Skid marks on the road is used in identifying the Vehicle for [Question ID = 7076]

1. Height [Option ID = 28301]

2. Weight [Option ID = 28302]

3. Make [Option ID = 28303]

4. Speed [Option ID = 28304]

56) The study of hair is known as [Question ID = 7077]

1. Toxicology [Option ID = 28305]

2. Trichology [Option ID = 28306]

3. Traumatology [Option ID = 28307]

4. Thanatology [Option ID = 28308]

57) The Bureau of Police Research and Development is situated in[Question ID = 7078]

1. New Delhi [Option ID = 28309]
2. Lucknow [Option ID = 28310]
3. Chandigarh [Option ID = 28311]
4. Mumbai [Option ID = 28312]

58) The sex of an individual can be determined by the following, except[Question ID = 7079]

1. X & Y chromosomes [Option ID = 28313]
2. Barr bodies [Option ID = 28314]
3. Protein patterns [Option ID = 28315]
4. Testosterone/ Estradiol ratio [Option ID = 28316]

59) Human wisdom teeth is also known as[Question ID = 7080]

1. Canine [Option ID = 28317]
2. Lateral incisor [Option ID = 28318]
3. Third molar [Option ID = 28319]
4. Second premolar [Option ID = 28320]

60) Olecranon fossa is present in which of the following bones?[Question ID = 7081]

1. Radius [Option ID = 28321]
2. Humerus [Option ID = 28322]
3. Tibia [Option ID = 28323]
4. Femur [Option ID = 28324]

61) Foramen magnum is present on[Question ID = 7082]

1. Pelvis [Option ID = 28325]
2. Scapula [Option ID = 28326]
3. Sternum [Option ID = 28327]
4. Cranium [Option ID = 28328]

62) The term "Expert evidence" is defined in section[Question ID = 7083]

1. 45, Indian Evidence Act [Option ID = 28329]
2. 131, Indian Evidence Act [Option ID = 28330]
3. 45, Criminal Procedure code [Option ID = 28331]
4. 131, Criminal Procedure code [Option ID = 28332]

63) Which is the active component of marking nut?[Question ID = 7084]

1. Semicarbol [Option ID = 28333]
2. Semicarpine [Option ID = 28334]
3. Semicarbene [Option ID = 28335]
4. Semicarmine [Option ID = 28336]

64) Which is the technique used to determine the species of origin from blood stain?[Question ID = 7085]

1. Acid phosphate [Option ID = 28337]
2. Teichmann [Option ID = 28338]
3. Fluorescence [Option ID = 28339]
4. Immuno precipitation [Option ID = 28340]

65) Teaching of forensic science for the first time in India started in 1959 at[Question ID = 7086]

1. Delhi [Option ID = 28341]
2. Hyderabad [Option ID = 28342]
3. Sagar [Option ID = 28343]
4. Patiala [Option ID = 28344]

66) Firing pin marks of a gun are called[Question ID = 7087]

1. Compression marks [Option ID = 28345]
2. Cut marks [Option ID = 28346]
3. Striation marks [Option ID = 28347]
4. Repetitive marks [Option ID = 28348]

67) Volatile data resides in?[Question ID = 7088]

1. Pen drive [Option ID = 28349]
2. RAM [Option ID = 28350]
3. External hard disk [Option ID = 28351]
4. Memory card [Option ID = 28352]

68) Dying declaration of a person is recorded by[Question ID = 7089]

1. Doctor [Option ID = 28353]
2. Police [Option ID = 28354]
3. Forensic expert [Option ID = 28355]
4. Magistrate [Option ID = 28356]

69) Police inquest is conducted under section[Question ID = 7090]

1. 176 CrPC [Option ID = 28357]
2. 174 CrPC [Option ID = 28358]
3. 174 IPC [Option ID = 28359]
4. 176 IPC [Option ID = 28360]

70) Hollow Cathode Lamp is used in the following instrument[Question ID = 7091]

1. Atomic Absorption Spectrometer [Option ID = 28361]
2. Atomic Emission Spectrometer [Option ID = 28362]
3. IR Spectrometer [Option ID = 28363]
4. X-ray Fluorescence Spectrometer [Option ID = 28364]

71) The bore of the 12 bore shotgun is[Question ID = 7092]

1. 0.723'' [Option ID = 28365]
2. 0.729'' [Option ID = 28366]
3. 0.727'' [Option ID = 28367]
4. 0.731'' [Option ID = 28368]

72) Which branch of forensic deals with bite marks?[Question ID = 7093]

1. Forensic Entomology [Option ID = 28369]
2. Forensic Odontology [Option ID = 28370]
3. Forensic Graphology [Option ID = 28371]
4. Forensic cheiloscropy [Option ID = 28372]

73) The primary classification of fingerprints was given by[Question ID = 7094]

1. Sir Edward Richard Henry [Option ID = 28373]
2. Jan Evangelista Purkynje [Option ID = 28374]
3. Alphonse Bertillon [Option ID = 28375]
4. Sir Francis Galton [Option ID = 28376]

74) Which one of the following is a depressant?[Question ID = 7095]

1. Cocaine [Option ID = 28377]
2. Heroin [Option ID = 28378]
3. Alcohol [Option ID = 28379]
4. LSD [Option ID = 28380]

75) The study of the bullet's flight from when it leaves the muzzle until it strikes the target is known as[Question ID = 7096]

1. Internal Ballistics [Option ID = 28381]
2. External Ballistics [Option ID = 28382]
3. Terminal Ballistics [Option ID = 28383]
4. Ballistic Coefficient [Option ID = 28384]

76) A device with two photoelectric detectors for measuring the velocity of bullets in forensic science is called:[Question ID = 7097]

1. Chronograph [Option ID = 28385]
2. Speedometer [Option ID = 28386]
3. Velocity Sensors [Option ID = 28387]
4. Velocity Meter [Option ID = 28388]

77) The Pubic symphysis in males when compared with females is:[Question ID = 7098]

1. Broader and more triangular [Option ID = 28389]
2. Narrower and more rectangular [Option ID = 28390]
3. Broader and more rectangular [Option ID = 28391]
4. Narrower and more triangular [Option ID = 28392]

78) The female cranium in comparison to the male is:[Question ID = 7099]

1. Smaller with more retreating forehead and more pronounced supra orbital ridges [Option ID = 28393]
2. Larger with more retreating forehead and more pronounced supra orbital ridges [Option ID = 28394]
3. Smaller with more rounded forehead and less pronounced supra orbital ridges [Option ID = 28395]
4. Larger with more rounded forehead and less pronounced supra orbital ridges [Option ID = 28396]

**79) _____ evidence will establish a fact or sustain a judgment unless contradictory evidence is produced.
[Question ID = 7100]**

1. Presumptive [Option ID = 28397]
2. Probative [Option ID = 28398]
3. Prima facie [Option ID = 28399]
4. Rebuttal [Option ID = 28400]

80) Type B blood contains type ____ antigen[Question ID = 7101]

1. A,B [Option ID = 28401]
2. A [Option ID = 28402]
3. B [Option ID = 28403]

4. None [Option ID = 28404]

81) A fingerprint that is not visible to the unaided eye and must be developed or visualized using chemical or physical methods is:[Question ID = 7102]

1. Plastic fingerprint [Option ID = 28405]
2. Latent fingerprint [Option ID = 28406]
3. Patent fingerprint [Option ID = 28407]
4. DNA fingerprint [Option ID = 28408]

82) An internal and external investigation of a body after death to determine the cause and manner of death is:[Question ID = 7103]

1. Biopsy [Option ID = 28409]
2. Bioscopy [Option ID = 28410]
3. Laparoscopy [Option ID = 28411]
4. Autopsy [Option ID = 28412]

83) A bloodstain involving a force in addition to gravity showing directionality and specific distribution patterns is called:[Question ID = 7104]

1. Spatter bloodstains [Option ID = 28413]
2. Passive bloodstain [Option ID = 28414]
3. Cast-off bloodstain [Option ID = 28415]
4. Transfer bloodstain [Option ID = 28416]

84) In DNA analysis, what is the acronym for RFLP?[Question ID = 7105]

1. Restraint fragment length polymorphism [Option ID = 28417]
2. Restraint fragment long polymorphism [Option ID = 28418]
3. Restriction fragment length polymorphism [Option ID = 28419]
4. Restriction fragment long polymorphism [Option ID = 28420]

85) Evidence that is inadmissible because it was directly or indirectly obtained by illegal means is:[Question ID = 7106]

1. Tainted evidence [Option ID = 28421]
2. Incriminating evidence [Option ID = 28422]
3. Derivative evidence [Option ID = 28423]
4. Hearsay [Option ID = 28424]

86) The human skeleton consist of _____ bones[Question ID = 7107]

1. 206 [Option ID = 28425]
2. 207 [Option ID = 28426]
3. 208 [Option ID = 28427]
4. 209 [Option ID = 28428]

87) If a person inherits the same form of a gene from the mother and the father, that person is said to be:[Question ID = 7108]

1. Homozygous [Option ID = 28429]
2. Heterozygous [Option ID = 28430]
3. Recessive [Option ID = 28431]
4. Dominant [Option ID = 28432]

88) There are approximately 3 billion base pairs in the human genome and less than ____ of these differ from person to person.[Question ID = 7109]

1. 0.5% [Option ID = 28433]
2. 1% [Option ID = 28434]
3. 1.5% [Option ID = 28435]
4. 2% [Option ID = 28436]

89) A phenomenon whereby the body's organ systems adapt to the continuous presence of drug that an ever-increasing doses is required to achieve an equivalent psychoactive effect.[Question ID = 7110]

1. Chemical tolerance [Option ID = 28437]
2. Chemical intolerance [Option ID = 28438]
3. Chemical resistance [Option ID = 28439]
4. Chemical dependence [Option ID = 28440]

90) A type of atomic spectroscopy whereby an element is heated and then the wavelengths of light emitted by the sample are measured and the elements identified.[Question ID = 7111]

1. Atomic absorption spectroscopy [Option ID = 28441]
2. Atomic emission spectroscopy [Option ID = 28442]
3. Attenuated total reflectance [Option ID = 28443]
4. Reflectance spectroscopy [Option ID = 28444]

91) In pharmacology, a condition whereby the effects of two or more drugs are magnified when taken together beyond their singular effects is known as:[Question ID = 7112]

1. Mutuality [Option ID = 28445]
2. Reciprocity [Option ID = 28446]

3. Symbiosis [Option ID = 28447]
4. Synergism [Option ID = 28448]

92) ABO blood groups were discovered by:[Question ID = 7113]

1. E. B. Ford [Option ID = 28449]
2. Arthur Mourant [Option ID = 28450]
3. Karl Landsteiner [Option ID = 28451]
4. Gregor Mendel [Option ID = 28452]

93) The most frequent finger pattern found in human populations is:[Question ID = 7114]

1. Arches [Option ID = 28453]
2. Loops [Option ID = 28454]
3. Whorls [Option ID = 28455]
4. Plain Arch [Option ID = 28456]

94) The type of ribonucleic acid that is used in the cell to copy the DNA code for use in protein synthesis is the:[Question ID = 7115]

1. tRNA [Option ID = 28457]
2. rRNA [Option ID = 28458]
3. mRNA [Option ID = 28459]
4. snRNA [Option ID = 28460]

95) In craniometric measurements the most projecting point on the root of the nose above the frontonasal suture and between the supra-orbital ridges in the mid-sagittal plane is:[Question ID = 7116]

1. Glabella [Option ID = 28461]
2. Nasion [Option ID = 28462]
3. Gonion [Option ID = 28463]
4. Prosthion [Option ID = 28464]

96) The DNA fingerprinting techniques was first used for studying DNA polymorphisms for socio-legal applications by:[Question ID = 7117]

1. Fred Sanger [Option ID = 28465]
2. Alec Jeffreys [Option ID = 28466]
3. Kary B. Mullis [Option ID = 28467]
4. James Gusella [Option ID = 28468]

97) The ABO blood group in humans is determined by:[Question ID = 7118]

1. Multiple alleles [Option ID = 28469]
2. Linked genes [Option ID = 28470]
3. Incomplete dominance [Option ID = 28471]
4. Epistatic genes [Option ID = 28472]

98) The phenomenon of differential gene expression depending on the inheritance from the maternal or paternal genome is called:[Question ID = 7119]

1. Epistasis [Option ID = 28473]
2. Gene interactions [Option ID = 28474]
3. Sex linked inheritance [Option ID = 28475]
4. Genomic imprinting [Option ID = 28476]

99) The meeting point of coronal and sagittal sutures is known as:[Question ID = 7120]

1. Pterion [Option ID = 28477]
2. Bregma [Option ID = 28478]
3. Basion [Option ID = 28479]
4. Lambda [Option ID = 28480]

100) Anterior Fontanelle closes at the age:[Question ID = 7121]

1. 1.5- 2 years [Option ID = 28481]
2. 4-5 years [Option ID = 28482]
3. 8-9 years [Option ID = 28483]
4. 10-11 years [Option ID = 28484]