FACT and FACT Plus Exam 20 March 2022

Exam Name	FACT and FACT Plus Exam 20 March 2022
Test Date	20/03/2022
Test Time :	9:00 AM - 11:00 AM
Subject	Forensic Biological Sciences FACT

Option shown in green color with a tick icon is the correct answer.

Section : **Aptitude in Forensic Sciences**

Q.1   Find the missing term: 125, 250, ???, 400

Ans   ✖ 1. 100

✖ 2. 200

✖ 3. 275

✔ 4. 375

Question ID : **310578248**

Q.2   Which of the following is related with NABL accreditation

Ans   ✖ 1. Profile Testing

✔ 2. Proficiency Testing

✖ 3. Program Testing

✖ 4. Proper Testing

Question ID : **310578269**

Q.3   Select correct word

Ans   ✖ 1. Accelaration

✔ 2. Acceleration

✖ 3. Aceeleration

✖ 4. Aceleration

Question ID : **310578244**

Q.4   The Daubert test required that the trail judge make the determination based on one of the following factors

Ans   ✖ 1. The science mu be hypothetical

✖ 2. The science must be social

✖ 3. The science must be rigorous

✔ 4. The science must be valid

Question ID : **310578289**

Q.5   NABL accreditation system is established in accordance with

Ans   ✗ 1. ISO/IEC 17012

         ✓ 2. ISO/IEC 17011

         ✗ 3. ISO/IEC 17013

         ✗ 4. ISO/IEC 17014

                                                              Question ID : **310578270**

Q.6   Probability in mathematics means

Ans   ✗ 1. Average of the total number

         ✓ 2. The chance that the given event will occur

         ✗ 3. Standard error of the given data set

         ✗ 4. The chance that the given event will not occur

                                                              Question ID : **310578283**

Q.7   A pre-assessment visit of the CAB is organized by _____ appointed by NABL.

Ans   ✗ 1. Lead Director

         ✓ 2. Lead Assessor

         ✗ 3. Lead Technician

         ✗ 4. Lead Observer

                                                              Question ID : **310578264**

Q.8   The component of a computer that connects the processor to the other hardware is known as

Ans   ✗ 1. Printer

         ✗ 2. Keyboard

         ✗ 3. Mouse

         ✓ 4. Motherboard

                                                              Question ID : **310578274**

Q.9   Choose the different word

Ans   ✗ 1. Crocodile

         ✗ 2. Snake

         ✓ 3. Frog

         ✗ 4. Lizard

                                                              Question ID : **310578246**

Q.10 Who won Bronze medal in Badminton in Tokyo Olympics 2020

Ans   ✔ 1. P.V. Sindhu

✘ 2. Bajrangpunia

✘ 3. Ravi Kumar

✘ 4. Neeraj Chopra

Question ID : **310578242**

Q.11 The first Forensic Science Laboratory in India was set-up at

Ans   ✘ 1. Hyderabad

✘ 2. Chennai

✔ 3. Calcutta

✘ 4. Delhi

Question ID : **310578252**

Q.12 A parameter is a measure which is computed from

Ans   ✘ 1. Test statistics

✘ 2. Analyzed data

✔ 3. Population data

✘ 4. Sample data

Question ID : **310578281**

Q.13 Fingerprints examination is also termed as

Ans   ✔ 1. Dactyloscopy

✘ 2. Trichology

✘ 3. Palynology

✘ 4. Entomology

Question ID : **310578261**

Q.14 CAB shall apply for renewal of accreditation of NABL at least _____ months before the expiry of the validity of accreditation.

Ans   ✔ 1. 6 months

✘ 2. 12 months

✘ 3. 3 months

✘ 4. 9 months

Question ID : **310578266**

Q.15 APLAC stands for

Ans   ✘ 1. America Pacific Laboratory Accreditation Cooperation

✔ 2. Asia Pacific Laboratory Accreditation Cooperation

✘ 3. America pacific Laboratory Audit Cooperation

✘ 4. Asia Pacific Laboratory Audit cooperation

Question ID : **310578263**

Q.16 ICP-MS stands for

Ans   ✗ 1. Inductively Conducted Plasma Mass Spectrometry

✓ 2. Inductively Coupled Plasma Mass Spectrometry

✗ 3. Inductively Collected Plasma Mass Spectrometry

✗ 4. Inductively Cooled Plasma Mass Spectrometry

Question ID : **310578272**

Q.17 Mirror is to Reflection as Water is to

Ans   ✗ 1. Dispersion

✓ 2. Refraction

✗ 3. Conduction

✗ 4. Immersion

Question ID : **310578250**

Q.18 Calvin Hooker Goddard was a forensic scientist best-known for his contribution in

Ans   ✗ 1. DNA Forensic

✓ 2. Forensic Ballistics

✗ 3. Forensic Toxicology

✗ 4. Forensic Anthropology

Question ID : **310578256**

Q.19 CAB in NABL accreditation stands for

Ans   ✗ 1. Conformity Auditory Body

✗ 2. Controlling Auditory Body

✓ 3. Conformity Assessment Body

✗ 4. Controlling Assessment Body

Question ID : **310578265**

Q.20 In Thin layer chromatography the mobile phase is

Ans   ✗ 1. Gel

✓ 2. Liquid

✗ 3. Gas

✗ 4. Solid

Question ID : **310578273**

Q.21 Proof of proper chain of custody procedures allows

Ans   ✓ 1. Evidence to be admitted to court

✗ 2. Evidence packaging

✗ 3. Evidence analysis

✗ 4. Evidence collection

Question ID : **310578260**

Q.22 The patient was cured _____ Malaria.

Ans   ✗ 1. For

     ✓ 2. Of

     ✗ 3. From

     ✗ 4. Through

Question ID : **310578245**

Q.23 DNA is negatively charged because of the presence of

Ans   ✓ 1. Phosphate groups in nucleotides

     ✗ 2. Bromated groups in nucleotides

     ✗ 3. Sulphate groups in nucleotides

     ✗ 4. Chlorate groups in nucleotides

Question ID : **310578276**

Q.24 Meaning of Standard deviation is

Ans   ✓ 1. How far are the data points form the mean

     ✗ 2. How near are the data points from the range

     ✗ 3. How far are the data points form the range

     ✗ 4. How near are the data points from the mean

Question ID : **310578286**

Q.25 Which of the following state/UT doestn't have a CFSL

Ans   ✗ 1. Assam

     ✗ 2. Chandigarh

     ✓ 3. Gujarat

     ✗ 4. West Bengal

Question ID : **310578254**

Q.26 The laboratory accreditation services to testing and calibration laboratories are provided in accordance with

Ans   ✗ 1. ISO/IEC 17026

     ✗ 2. ISO/IEC 17023

     ✓ 3. ISO/IEC 17025

     ✗ 4. ISO/IEC 17024

Question ID : **310578267**

Q.27 Which of the following is an output device of a computer

Ans   ✗ 1. Mouse

     ✗ 2. Joy stick

     ✓ 3. Printer

     ✗ 4. Keyboard

Question ID : **310578275**

Q.28 The word ethics is related with

Ans ✗ 1. Judgment

✗ 2. Physique

✓ 3. Behavior

✗ 4. Knowledge

Question ID : **310578290**

Q.29 Opinions of "Experts" falls under

Ans ✓ 1. Section 45 in the India Evidence Act, 1872

✗ 2. Section 47 in the India Evidence Act, 1872

✗ 3. Section 46 in the India Evidence Act, 1872

✗ 4. Section 44 in the India Evidence Act, 1872

Question ID : **310578287**

Q.30 Which of the following Indian state does not share its border with Myanmar

Ans ✗ 1. Nagaland

✓ 2. Assam

✗ 3. Arunachal Pradesh

✗ 4. Manipur

Question ID : **310578243**

Q.31 Locard's principle specifically deals with

Ans ✓ 1. Exchange of evidence

✗ 2. Production of evidence

✗ 3. Collection of evidence

✗ 4. Analysis of evidence

Question ID : **310578255**

Q.32 Which microscope is used for comparing bullets

Ans ✗ 1. Compound microscope

✗ 2. Phase contrasts microscope

✗ 3. Polarized microscope

✓ 4. Comparison microscope

Question ID : **310578278**

Q.33 Which of the following terms is not related with handwriting identification in legal cases.

Ans ✗ 1. Hiatus

✗ 2. Spacing

✗ 3. Line quality

✓ 4. Trail

Question ID : **310578277**

Q.34 RFSL Stands for

Ans   ✗ 1. Rapid Forensic Science Laboratory

       ✓ 2. Regional forensic Science Laboratory

       ✗ 3. Road Forensic Science Laboratory

       ✗ 4. Railway forensic Science Laboratory

Question ID : **310578253**

Q.35 Crime Scene Investigation doesn't involves

Ans   ✗ 1. Sketches

       ✗ 2. Photography

       ✗ 3. Notes

       ✓ 4. Exhibits opening

Question ID : **310578259**

Q.36 Corroborative Evidence

Ans   ✗ 1. Associates an individual with another individual

       ✓ 2. Supports other evidence

       ✗ 3. Refutes other evidence

       ✗ 4. Links an individual with a particular location

Question ID : **310578257**

Q.37 Who invented Chromatography

Ans   ✓ 1. Mikhail Tsvet

       ✗ 2. Mikhail Baryshnikov

       ✗ 3. Mikhail Hendricks

       ✗ 4. Mikhail Kalashnikov

Question ID : **310578271**

Q.38 The Headquarters of NABL secretariat is situated at

Ans   ✗ 1. Kolkata

       ✗ 2. Bangaluru

       ✓ 3. Gurugram

       ✗ 4. Chennai

Question ID : **310578262**

Q.39 BIS stands for

Ans   ✗ 1. Bureau of International Standards

       ✗ 2. Bureau of Internal Standards

       ✓ 3. Bureau of Indian Standards

       ✗ 4. Bureau of Innovation Standards

Question ID : **310578268**

Q.40 Measurement close to a True value is known as

Ans   ✗ 1. Precise

      ✗ 2. Average

      ✓ 3. Accurate

      ✗ 4. Error

Question ID : 310578279

Q.41 What is "Mean" of the 1,3,5,7,9

Ans   ✗ 1. 9

      ✓ 2. 5

      ✗ 3. 7

      ✗ 4. 3

Question ID : 310578282

Q.42 If, Bird: Wings, choose correct relationship of the following pairs

Ans   ✗ 1. Pen: Paper

      ✓ 2. Car: Wheel

      ✗ 3. Dog: Lungs

      ✗ 4. Whale: Water

Question ID : 310578249

Q.43 Random sampling is also known as

Ans   ✗ 1. Proper sampling

      ✗ 2. Population sampling

      ✗ 3. Precision sampling

      ✓ 4. Probability sampling

Question ID : 310578284

Q.44 Which of the following vaccine is not related with COVID19

Ans   ✗ 1. Covaxin

      ✗ 2. Covishield

      ✗ 3. Sputnik V

      ✓ 4. Hep.B

Question ID : 310578241

Q.45 Sampling in any population study is conducted because it is

Ans   ✗ 1. Difficult

      ✗ 2. Expensive

      ✓ 3. Time – efficient

      ✗ 4. Biased

Question ID : 310578280

Q.46 Which of the following is a type of ballistics evidence

Ans   ✗ 1. Blood

       ✓ 2. Bullet

       ✗ 3. Drug

       ✗ 4. Hair

Question ID : **310578258**

Q.47 Deepak walks 20 km towards North. He turns left and walks 40 km. He again turns left and walks 20 km. Finally he moves 20 km after turning to the left. How far is he from his starting position ?

Ans   ✗ 1. 10 km

       ✓ 2. 20 km

       ✗ 3. 40 km

       ✗ 4. 30 km

Question ID : **310578247**

Q.48 Police inquest is conducted under section

Ans   ✗ 1. 174 IPC

       ✓ 2. 174 CrPC

       ✗ 3. 176 IPC

       ✗ 4. 176 CrPC

Question ID : **310578251**

Q.49 Difference between the maximum and minimum values of the given observation is called

Ans   ✗ 1. Average

       ✗ 2. Degree of freedom

       ✓ 3. Range

       ✗ 4. Standard deviation

Question ID : **310578285**

Q.50 Causing hurt by means of poison, etc., with intent to commit as offence is covered under

Ans   ✗ 1. Section 228 in the India Penal Code

       ✗ 2. Section 528 in the India Penal Code

       ✗ 3. Section 428 in the India Penal Code

       ✓ 4. Section 328 in the India Penal Code

Question ID : **310578288**

Section : **Forensic Biological Sciences**

Q.51 What is meant by clinically dead?

Ans   ✔ 1. Cessations of blood circulation and breathing

       ✘ 2. When a person becomes unconscious

       ✘ 3. When a person suffers brain damage

       ✘ 4. When a clinic declares a person as dead

Question ID : **310578295**

Q.52 Angora is a wool fibre obtained from

Ans   ✘ 1. Deer

       ✘ 2. Goat

       ✔ 3. Rabbit

       ✘ 4. Camel

Question ID : **310578342**

Q.53 Digestion is completed in

Ans   ✘ 1. Stomach

       ✘ 2. Cloaca

       ✘ 3. Duodenum

       ✔ 4. Ileum

Question ID : **310578315**

Q.54 Contusion is

Ans   ✘ 1. External bleeding on skin surface

       ✔ 2. Tear or rupture of tiny blood vessels under the surface of skin

       ✘ 3. Sharp weapon cut

       ✘ 4. Lacerated wound

Question ID : **310578349**

Q.55 Which is the part of Mitochooonnndrial DNA

Ans   ✘ 1. Y-loop

       ✘ 2. T-loop

       ✔ 3. D-loop

       ✘ 4. S- loop

Question ID : **310578310**

Q.56 Forensic Palynology is study of

Ans   ✔ 1. Pollen and spore evidences

       ✘ 2. Polymer evidences

       ✘ 3. Cellulose evidences

       ✘ 4. Injuries

Question ID : **310578355**

Q.57 If your hairline comes together in a downward V-shape at the center of your forehead,

Ans   ✔ 1. You have widow's peak hairline

✘ 2. All of these

✘ 3. You have got V-peak hairline

✘ 4. You have got W-peak line

Question ID : **310578340**

Q.58 Facial reconstruction is used for

Ans   ✘ 1. None of these

✔ 2. Individualisation using skeletal remains

✘ 3. Making face looks attractive

✘ 4. Determination of time of death

Question ID : **310578327**

Q.59 Colour of the cornea of the deceased after 2-3 hrs becomes

Ans   ✘ 1. Transparent

✔ 2. Cloudy

✘ 3. Black

✘ 4. Red

Question ID : **310578291**

Q.60 The universal blood group blood donor in ABO system are

Ans   ✘ 1. A

✘ 2. B

✘ 3. AB

✔ 4. O

Question ID : **310578351**

Q.61 The bluish-purple discoloration of skin after death is called

Ans   ✘ 1. Rigor mortis

✘ 2. Rigidity

✔ 3. Lividity

✘ 4. Morbidity

Question ID : **310578292**

Q.62 Structural unit of compact bone is

Ans   ✔ 1. Osteon

✘ 2. Osteoblast

✘ 3. Neuron

✘ 4. Osteocytes

Question ID : **310578330**

Q.63 Sodium Chloride that is used as a preservative for blood samples inhibits the enzymes.

Ans ✗ 1. Phosphokinase

✓ 2. Enolase

✗ 3. Peptidase

✗ 4. Esterase

Question ID : 310578300

Q.64 In which stage of meiosis, crossing over takes place?

Ans ✗ 1. Metaphase

✓ 2. Pachytene

✗ 3. Anaphase

✗ 4. Leptotene

Question ID : 310578312

Q.65 Colour blindness is not common occurrence in

Ans ✓ 1. Woman

✗ 2. Man

✗ 3. Man and Woman

✗ 4. All of these

Question ID : 310578338

Q.66 Which base is not available in RNA

Ans ✗ 1. Adenine

✗ 2. Cytosine

✗ 3. Guanine

✓ 4. Thiamine

Question ID : 310578346

Q.67 How many bones are there in Adult human skeleton?

Ans ✗ 1. 200

✓ 2. 206

✗ 3. 215

✗ 4. 106

Question ID : 310578320

Q.68 Which statement is NOT true

Ans ✗ 1. Mitochondrion shows maternal lineage

✗ 2. Mitochondrial evolution said to be developed from bacteria

✓ 3. Mitochondrion shows paternal lineage

✗ 4. Mitochondrion is Powerhouse of the cell

Question ID : 310578343

Q.69 Which of the following statements is true about the ABO blood system?

Ans ✗ 1. It was discovered in the 1960

✓ 2. It was discovered by Karl Landsteiner

✗ 3. Few people are actually typed for this system because of the difficulty of the procedure

✗ 4. A & B

Question ID : **310578352**

Q.70 Fat digestion is facilitated by

Ans ✗ 1. Pancreatic juice

✗ 2. None of these

✓ 3. Bile salts

✗ 4. Gastric juice

Question ID : **310578316**

Q.71 Sebaceous glands are not found in

Ans ✗ 1. Fore head

✗ 2. Chest

✗ 3. Armpits

✓ 4. Palms

Question ID : **310578317**

Q.72 Gustafson's method is used for

Ans ✓ 1. Age determination from teeth

✗ 2. Age determination by chest bone

✗ 3. Age determination from skull

✗ 4. Age determination from fusion in long bones

Question ID : **310578309**

Q.73 Forensic Odontology is related to

Ans ✓ 1. Evaluation of dental evidence

✗ 2. Development of molar teeth

✗ 3. Tooth decay

✗ 4. Development of canine

Question ID : **310578325**

Q.74 A pollen fingerprint is

Ans ✓ 1. Number and type of pollen grains found in a geographical area

✗ 2. identical with the Lichens

✗ 3. Type of pollen grains found in a geographical area

✗ 4. Number of pollen grains found in a geographical area

Question ID : **310578339**

Q.75 Animal hair differ with human hair in

Ans   ✗ 1. Shape

       ✓ 2. Medullary index

       ✗ 3. Follicular structure

       ✗ 4. Colour

Question ID : **310578341**

Q.76 Cause of colour blindness is

Ans   ✗ 1. Hypermetropia

       ✗ 2. Presbiopia

       ✗ 3. Vitamin-A deficiency

       ✓ 4. Genetic

Question ID : **310578337**

Q.77 Human mt-DNA is approx.

Ans   ✓ 1. 16.6 kbp

       ✗ 2. 20 kbp

       ✗ 3. 19.6 kbp

       ✗ 4. 18 kbp

Question ID : **310578344**

Q.78 Which maggot best indicate time since death?

Ans   ✗ 1. Flies belonging to the families Scenopinidae and Rhagionidae

       ✓ 2. Flies belonging to the families Calliphoridae and Sarcophagidae

       ✗ 3. Flies of all families

       ✗ 4. Flies belonging to the families Asilidae and Scenopinidae

Question ID : **310578297**

Q.79 XY Chromosomes are responsible for

Ans   ✗ 1. All these

       ✗ 2. Determination of skin colour

       ✓ 3. Determination of sex in human

       ✗ 4. Determination of age of male

Question ID : **310578308**

Q.80 The method of determination of maternal lineage is

Ans   ✗ 1. Autosomal DNA

       ✓ 2. mitochondrial DNA

       ✗ 3. XY chromosomes

       ✗ 4. Y Chromosomes

Question ID : **310578324**

Q.81 Animal cell membrane is made up of

Ans ✔ 1. Lipids and Proteins

✗ 2. Carbohydrates and Proteins

✗ 3. Carbohydrates and Lipids

✗ 4. Nucleotide and Proteins

Question ID : **310578302**

Q.82 Purines are two bases

Ans ✗ 1. A & T

✗ 2. C & G

✗ 3. U & G

✔ 4. A & G

Question ID : **310578359**

Q.83 Which cell division is more responsible for genetic variations?

Ans ✗ 1. Mitotic Division

✔ 2. Meiotic Cell Division

✗ 3. All of these

✗ 4. Fission

Question ID : **310578304**

Q.84 Kinetochore is

Ans ✗ 1. present in Chloroplast

✗ 2. Constriction near chromosome end

✔ 3. Disc shaped Protein structure on centromere

✗ 4. present in mitochondria

Question ID : **310578313**

Q.85 Sperms are stored and matured in one of the following

Ans ✗ 1. Testes

✗ 2. Vas deferens

✗ 3. Seminal Vesicle

✔ 4. Epididymis

Question ID : **310578357**

Q.86 Female cranial sutures close normally between the ages of

Ans ✗ 1. 25-30 years old

✔ 2. 30-40 years old

✗ 3. 40-50 years old

✗ 4. 20-25 years old

Question ID : **310578323**

Q.87 Rh factor found on the surface of RBCs is a

Ans   ✗ 1. RNA

      ✗ 2. Amino acid

      ✔ 3. Protein

      ✗ 4. Glucose

Question ID : 310578348

Q.88 What is the name of MHC in humans?

Ans   ✗ 1. H2

      ✔ 2. HLA

      ✗ 3. Adjuvants

      ✗ 4. Haplotype

Question ID : 310578356

Q.89 Mode of communication within the body is coordinated by

Ans   ✔ 1. Nervous and endocrine systems

      ✗ 2. All of these

      ✗ 3. Electrolytes

      ✗ 4. Blood circulation

Question ID : 310578311

Q.90 Abrasions wounds are

Ans   ✗ 1. None of these

      ✔ 2. Because of first layer of skin is scraped or rubbed

      ✗ 3. Deep wounds

      ✗ 4. Wounds caused by heavy blunt object

Question ID : 310578299

Q.91 Cartilage is

Ans   ✗ 1. All of these

      ✔ 2. Connective Tissue

      ✗ 3. Hard Muscles Tissue

      ✗ 4. Flexible Bone

Question ID : 310578318

Q.92 What is the difference between an entrance and exit wound in fire arm injuries?

Ans   ✗ 1. Entry wounds are generally smaller and more irregular than exit wounds

      ✗ 2. Entry wounds are generally larger and more irregular than exit wounds

      ✗ 3. Entry wounds are not visible but exit wounds are visible

      ✔ 4. Entry wounds are generally smaller and regular than exit wounds

Question ID : 310578298

Q.93 Which one of the following is used in DNA fingerprinting

Ans ✗ 1. Western blotting

✗ 2. Northern blotting

✓ 3. Southern Blotting

✗ 4. DNA footprinting

Question ID : **310578347**

Q.94 Which one is the functional unit of nervous system are

Ans ✗ 1. Nephrons

✗ 2. Spinal cord

✗ 3. Brain

✓ 4. Neurons

Question ID : **310578319**

Q.95 How can time of death be determined by stomach contents?

Ans ✗ 1. Stomach contents are examined for quality of meal

✓ 2. Stomach empties its contents more than four hours after a meal

✗ 3. Not possible to assess time of death by stomach contents

✗ 4. Stomach empties its contents Two to three hours after a meal

Question ID : **310578296**

Q.96 The injury sustained by skin due to an alternating current is called

Ans ✗ 1. Filigree burn

✓ 2. Joule burn

✗ 3. Brush burn

✗ 4. Arborescent mark

Question ID : **310578335**

Q.97 Cholera is caused by

Ans ✗ 1. All of these

✗ 2. Virus

✗ 3. Fungus

✓ 4. Bacteria

Question ID : **310578301**

Q.98 In determining the phenotype for the ABO blood system:

Ans ✗ 1. All of these

✗ 2. O is dominant over A

✓ 3. is recessive

✗ 4. B is dominant over A

Question ID : **310578353**

Q.99 PCR based three steps required for DNA synthesis

Ans   ✗ 1. Denaturation, Extension Annealing

   ✗ 2. Extension, Denaturation, Annealing

   ✓ 3. Denaturation, Annealing , Extension

   ✗ 4. Annealing, Denaturation, Extension

Question ID : **310578350**

Q.100 The fluid mosaic model of cell membrane was discovered by

Ans   ✗ 1. A. Kieth and E. Moore, 1971

   ✗ 2. G. S. Robert and T. S. Moore,1973

   ✗ 3. M. Jacob and O. Monad , 1969

   ✓ 4. S. J. Singer and G. L. Nicolson, 1972

Question ID : **310578303**

Q.101 Sex can be established by examination of hair root cells for the presence of

Ans   ✗ 1. Davidson body

   ✗ 2. Golgi body

   ✓ 3. Barr body

   ✗ 4. Medullary index

Question ID : **310578333**

Q.102 Recording of dying declaration is comes under section of Indian Evidence Act, 1872

Ans   ✗ 1. 35A

   ✗ 2. 65A

   ✓ 3. 32(1)

   ✗ 4. 45(1)

Question ID : **310578336**

Q.103 "fat of graveyards" is referred to

Ans   ✓ 1. Adipocere

   ✗ 2. Mummification

   ✗ 3. Putrefaction

   ✗ 4. Vitreous humour

Question ID : **310578293**

Q.104 What is called when a dead body gets stiff?

Ans   ✓ 1. Rigor mortis

   ✗ 2. Livor mortis

   ✗ 3. Algor mortis

   ✗ 4. Pallor mortis

Question ID : **310578294**

Q.105 Length of mature human spermatozoa with tail is approx.

Ans ✔ 1. 50μm

✘ 2. 10μm

✘ 3. 100μm

✘ 4. 10cm

Question ID : **310578358**

Q.106 Radiographs are very useful in forensic dentistry for

Ans ✘ 1. Continuous treatment related to dental problem

✘ 2. Locating any other problem in teeth

✔ 3. Fixing individual identity in forensic

✘ 4. Treating dental carries of victim

Question ID : **310578331**

Q.107 Which is the smallest bone in the human skeleton?

Ans ✘ 1. Palatine

✘ 2. Atlas

✔ 3. Stapes

✘ 4. Zygomatic

Question ID : **310578329**

Q.108 Antiserum is

Ans ✘ 1. Blood serum containing a mixture of antigens and antibodies

✔ 2. Blood serum containing specific antibodies

✘ 3. Blood serum in which antigens and antibodies both are absent

✘ 4. Blood serum containing specific antigens

Question ID : **310578354**

Q.109 On which organelle protein synthesis occur?

Ans ✔ 1. Ribosome

✘ 2. Nucleosome

✘ 3. Lysosome

✘ 4. Episome

Question ID : **310578307**

Q.110 Structure that helps cells to maintain their shape is called

Ans ✘ 1. Genes

✘ 2. Chromatin

✔ 3. Cytoskeleton

✘ 4. Chromosomes

Question ID : **310578305**

Q.111 Which one is not the component of hair

Ans ✗ 1. Cortex

✗ 2. Cuticle

✓ 3. Connective tissue

✗ 4. Medulla

Question ID : **310578322**

Q.112 During meiosis- I, the bivalent chromosomes clearly appear as tetrads using

Ans ✓ 1. Pachytene

✗ 2. Diakinesis

✗ 3. Diplotene

✗ 4. Zygotene

Question ID : **310578314**

Q.113 Mt-DNA examination is used for determination of

Ans ✗ 1. Paternal lineage

✗ 2. Time of death

✓ 3. Maternal lineages

✗ 4. Age estimation

Question ID : **310578345**

Q.114 A cusp is related to

Ans ✗ 1. Pelvis

✗ 2. Wrist bones

✗ 3. Long bones

✓ 4. Posterior back teeth

Question ID : **310578332**

Q.115 Stature of the skeleton can be determined using

Ans ✗ 1. Vertebral Column

✗ 2. Ribs

✓ 3. Long bones

✗ 4. Sternum

Question ID : **310578326**

Q.116 Genetic code is

Ans ✗ 1. Indicator molecules to terminate DNA replication

✗ 2. Sequence of bases which do not code for protein

✓ 3. Sequence of bases in m-RNA those codes for protein

✗ 4. Sequence of Amino Acids for protein

Question ID : **310578360**

Q.117 What is the function of facial bones?

Ans   ✔ 1. Protect the brain

       ✘ 2. Helping nervous system

       ✘ 3. Protect the jaw

       ✘ 4. To support the back bone

Question ID : **310578321**

Q.118 The longest bone in human skeleton is

Ans   ✘ 1. Ulna

       ✘ 2. Fibula

       ✘ 3. Tibia

       ✔ 4. Femur

Question ID : **310578328**

Q.119 Tattoo marks, if destroyed, their presence can be inferred from the presence of pigment in

Ans   ✔ 1. Lymph node region

       ✘ 2. Deep dermis

       ✘ 3. Skin of adjoining region

       ✘ 4. Sub-cutaneous tissue

Question ID : **310578334**

Q.120 Organelle that contains digestive enzymes in the cells are

Ans   ✘ 1. Nucleosome

       ✘ 2. Episome

       ✘ 3. Ribosome

       ✔ 4. Lysosome

Question ID : **310578306**