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 Chemical Sciences FACT Plus

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

Section : **Aptitude in Forensic Sciences**

Q.1 The number of times each value appears is called the value's

Ans ✔ 1. Frequency

✘ 2. Range

✘ 3. Standard Deviation

✘ 4. Mode

Question ID : **310578885**

Q.2 BIOS in computer science means

Ans ✘ 1. Broad Input Output System

✔ 2. Basic Input Output System

✘ 3. Board Input Output System

✘ 4. Binary Input Output System

Question ID : **310578877**

Q.3 Identification system based on Anthropometry is known as

Ans ✘ 1. Criminalistics

✘ 2. Diatomology

✔ 3. Bertillonage

✘ 4. Edgeoscopy

Question ID : **310578860**

Q.4 Proportion turns percentage when multiplied by

Ans ✘ 1. 1/10

✘ 2. 1/100

✔ 3. 100

✘ 4. 10

Question ID : **310578882**

Q.5 Choose the word which is different from the rest

Ans ✗ 1. Cottage

✓ 2. School

✗ 3. Palace

✗ 4. House

Question ID : **310578846**

Q.6 Pick the odd one out

Ans ✗ 1. J

✗ 2. K

✗ 3. L

✓ 4. I

Question ID : **310578850**

Q.7 According to the Beer-lambert Law, on which of the following does absorbance not depend

Ans ✗ 1. Distance that the light has travelled through the sample

✗ 2. Extinction coefficient of the sample

✓ 3. Colour of the solution

✗ 4. Solution concentration

Question ID : **310578875**

Q.8 Select correct word

Ans ✗ 1. Dessiccator

✓ 2. Desiccator

✗ 3. Desicator

✗ 4. Dessicator

Question ID : **310578845**

Q.9 Ramesh while going to his drives 4 km in South, then moves to left again drives 3 km. how far he is from his starting point

Ans ✗ 1. 4

✓ 2. 5

✗ 3. 6

✗ 4. 3

Question ID : **310578847**

Q.10 What is the full form of PDF file

Ans   ✗ 1. Printed document Format

       ✗ 2. Published Document Format

       ✓ 3. Portable Document Format

       ✗ 4. Public Document Format

Question ID : **310578876**

Q.11 NCRB stands for

Ans   ✗ 1. News Crime Records Bureau

       ✗ 2. New Criminal Records Bureau

       ✓ 3. National Crime Records Bureau

       ✗ 4. National Criminal Records Bureau

Question ID : **310578867**

Q.12 Find the missing term: 6, 23, 40, ??, 74

Ans   ✗ 1. 17

       ✗ 2. 67

       ✓ 3. 57

       ✗ 4. 47

Question ID : **310578848**

Q.13 ILAC operates in accordance with

Ans   ✗ 1. ISO/IEC 17014

       ✗ 2. ISO/IEC 17013

       ✓ 3. ISO/IEC 17011

       ✗ 4. ISO/IEC 17012

Question ID : **310578865**

Q.14 Who are the beneficiaries of OROP scheme

Ans   ✓ 1. Armed forces Veterans

       ✗ 2. Bureaucrats

       ✗ 3. Teachers

       ✗ 4. Sportspersons

Question ID : **310578843**

Q.15 AFIS stands for

Ans   ✗ 1. Algorithm Fingerprint Identification System

       ✓ 2. Automated Fingerprint Identification System

       ✗ 3. Automatic Fingerprint Identification System

       ✗ 4. Actual Fingerprint Identification System

Question ID : **310578873**

Q.16 Who was the first Indian women Golfer to qualify for Tokyo Olympic 2020

Ans   ✔ 1. Aditi Ashok

       ✘ 2. Pooja Rani

       ✘ 3. Sonam Malik

       ✘ 4. P.V. Sindhu

       Question ID : **310578842**

Q.17 The person Stas in Stas-Otto methods is

Ans   ✔ 1. Jean Servais Stas

       ✘ 2. Mathew Servais Stas

       ✘ 3. Mike Servais Stas

       ✘ 4. Benzamine Servais Stas

       Question ID : **310578852**

Q.18 The most repeated value in a data set is called

Ans   ✘ 1. Mean

       ✘ 2. Median

       ✔ 3. Mode

       ✘ 4. Range

       Question ID : **310578883**

Q.19 Forensic expert during crime scene visit should not be

Ans   ✘ 1. Ethical

       ✔ 2. Babbling

       ✘ 3. Skilled

       ✘ 4. Confidential

       Question ID : **310578890**

Q.20 Which scope of accreditation of NABL is not applicable in the Forensic Science Laboratories

Ans   ✘ 1. Toxicology

       ✘ 2. Chemistry

       ✔ 3. Medicine

       ✘ 4. Biology

       Question ID : **310578862**

Q.21 Who is known as father of Questioned Document Examination

Ans   ✘ 1. Alec s. Osborn

       ✘ 2. Arthur S. Osborn

       ✔ 3. Albert S. Osborn

       ✘ 4. Allen S. Osborn

       Question ID : **310578853**

Q.22 Medullary index in animal hair is

Ans ✗ 1. None of these

✓ 2. More than 0.3

✗ 3. Exactly 0.3

✗ 4. Less than 0.3

Question ID : **310578878**

Q.23 When in UN day celebrated

Ans ✗ 1. October 21

✗ 2. June 24

✗ 3. June 21

✓ 4. October 24

Question ID : **310578861**

Q.24 Forensic photography of bite marks should be done using

Ans ✗ 1. CBI scale

✗ 2. FSL scale

✗ 3. FBI scale

✓ 4. ABFO scale

Question ID : **310578880**

Q.25 Section 45 in the Indian Evidence Act 1872 defines

Ans ✗ 1. Opinions of eye witness

✗ 2. Opinions of Judge

✗ 3. Opinions of Police Personal

✓ 4. Opinions of expert

Question ID : **310578889**

Q.26 What is the " Fear of Darkness" called

Ans ✗ 1. Arachnop

✓ 2. Nyctophobia

✗ 3. Ophidiophobia

✗ 4. Ablutophobia

Question ID : **310578864**

Q.27 4R rule of glass fracture relates to

Ans ✗ 1. Hackle Mark

✓ 2. Radial fracture

✗ 3. Concentric fracture

✗ 4. Rib mark

Question ID : **310578858**

Q.28 CFSL Delhi comes under which of the followings

Ans   ✗ 1. DRDO

    ✗ 2. DFSS

    ✓ 3. CBI

    ✗ 4. DST

Question ID : **310578854**

Q.29 SARS-CoV-2 stands for

Ans   ✗ 1. Severe amount respiratory syndrome coronavirus 2

    ✗ 2. Severe aquatic respiratory syndrome coronavirus 2

    ✓ 3. Severe acute respiratory syndrome coronavirus 2

    ✗ 4. Severe ailment respiratory syndrome coronavirus 2

Question ID : **310578841**

Q.30 What is the position of earth in our solar system

Ans   ✓ 1. Third

    ✗ 2. Second

    ✗ 3. First

    ✗ 4. Fourth

Question ID : **310578857**

Q.31 CDTI stands for

Ans   ✗ 1. Central Document Training Institute

    ✓ 2. Central Detective Training Institute

    ✗ 3. Centre Detective Training Institute

    ✗ 4. Centre Document Training Institute

Question ID : **310578855**

Q.32 Which of the following CFSLs was established in year 1967

Ans   ✗ 1. Guwahati

    ✓ 2. Hyderabad

    ✗ 3. Bhopal

    ✗ 4. Pune

Question ID : **310578851**

Q.33 The headquarter of International Organization for Standardization is situated in

Ans   ✗ 1. Washington

    ✗ 2. England

    ✗ 3. Sydney

    ✓ 4. Geneva

Question ID : **310578863**

Q.34 Which of the following deals with study of insects

Ans ✗ 1. Cytogenetic

✗ 2. Ornithology

✗ 3. Anthropology

✓ 4. Entomology

Question ID : **310578868**

Q.35 On which of the following does the critical value for a Chi-square statistic rely

Ans ✗ 1. The row totals

✗ 2. The number of variables

✗ 3. The sum of the frequencies

✓ 4. The degrees of freedom

Question ID : **310578881**

Q.36 The "Spiral" search pattern at scene of crime is used

Ans ✓ 1. By starting at the most inward point and slowly walking in increasing circles.

✗ 2. By starting at the most outward point and circling in

✗ 3. By starting at the most inward point and searching back and forth until the outer edges are reached

✗ 4. By spinning around a bunch of times and using an " Oblong" technique

Question ID : **310578869**

Q.37 The Information Technology Act (also known as ITA) was enacted in

Ans ✗ 1. 2002

✗ 2. 2001

✓ 3. 2000

✗ 4. 2003

Question ID : **310578887**

Q.38 Which of the followings is not associated with the formal recognition of competence of a conformity assessment body by NABL

Ans ✗ 1. Time and money efficient

✓ 2. Timely promotion of the employees

✗ 3. International recognition

✗ 4. Robust Quality Management System

Question ID : **310578866**

Q.39 Statistic is

Ans ✗ 1. Unknown

✗ 2. Population characteristic

✗ 3. Normally distributed

✓ 4. Sample characteristic

Question ID : **310578884**

Q.40 "A" meets "B" on high roads, shows a gun and demands "B"s bag. "B" in consequence, surrenders his bag. Here "A" has committed

Ans ✓ 1. Robbery

✗ 2. Theft

✗ 3. Dacoity

✗ 4. Extortion

Question ID : **310578888**

Q.41 ABFO stands for

Ans ✗ 1. American Bureau of Forensic Odontology

✓ 2. American Board of Forensic Odontology

✗ 3. American Bureau of Forensic Odontologists

✗ 4. American Bureau of Forensic Orthopedics

Question ID : **310578856**

Q.42 Which of the followings doesn't include fire triangle

Ans ✗ 1. Heat

✗ 2. Oxygen

✗ 3. Fuel

✓ 4. Smoke

Question ID : **310578871**

Q.43 Which of the following techniques is best known for studying Gunshot residue

Ans ✗ 1. ATR-FTIR

✓ 2. SEM-EDX

✗ 3. GC-MS

✗ 4. NMR

Question ID : **310578879**

Q.44 Ridge characteristics in fingerprint are called as

Ans ✗ 1. Forensic Details

✗ 2. Ridge counting

✓ 3. Galton's Details

✗ 4. Ridge Tracing

Question ID : **310578872**

Q.45 The study of Hair is known as

Ans ✗ 1. Histology

✗ 2. Pathology

✗ 3. Phytology

✓ 4. Trichology

Question ID : **310578859**

Q.46 When a dead body is found at the scene, the most immediate concern is

Ans   ✓ 1. Preserving and securing the crime scene

       ✗ 2. Interviewing family members

       ✗ 3. Identifying the victim

       ✗ 4. Collection of evidences

Question ID : **310578870**

Q.47 We were not alone in the room. He sat _____ me. There were others there _____ us.

Ans   ✗ 1. Next, between

       ✓ 2. With, besides

       ✗ 3. Besides, beside

       ✗ 4. Be, besides

Question ID : **310578844**

Q.48 Thin layer chromatography is a type of

Ans   ✗ 1. Absorption Chromatography

       ✓ 2. Adsorption Chromatography

       ✗ 3. Ion exchange

       ✗ 4. Partition chromatography

Question ID : **310578874**

Q.49 If 20% of an electricity bill is deducted, then Rs. 100 is still to be paid. How much was the original bill

Ans   ✗ 1. 150

       ✓ 2. 125

       ✗ 3. 25

       ✗ 4. 75

Question ID : **310578849**

Q.50 The square of the standard deviation is called

Ans   ✗ 1. Harmonic mean

       ✓ 2. Variance

       ✗ 3. Mode

       ✗ 4. 2nd quartile

Question ID : **310578886**

Section : **Forensic Chemical Sciences**

Q.51 Amatol contains

Ans   ✓ 1. TNT and Ammonium Nitrate

        ✗ 2. TNT and RDX

        ✗ 3. TNT and PETN

        ✗ 4. TNT and Tetryl

Question ID : **310578901**

Q.52 Components of R-D-X is:

Ans   ✗ 1. 1- nitroguanidine

        ✗ 2. Trinitrotoluene

        ✓ 3. Cyclotrimethylene Trinitramine

        ✗ 4. Cyclotetramethylene tetranitramine

Question ID : **310578923**

Q.53 NMR is tool to investigate

Ans   ✓ 1. Nuclear structure

        ✗ 2. Reflecting effect of light

        ✗ 3. Electron structure

        ✗ 4. Scattering effect of light

Question ID : **310578891**

Q.54 Psilocin and Psilocybin, which are naturally occurring Hallucinogen, are found in:

Ans   ✓ 1. Mushroom

        ✗ 2. Ergot

        ✗ 3. Poppy

        ✗ 4. Coca

Question ID : **310578959**

Q.55 HMX contains.

Ans   ✗ 1. Nitro-Glycerine

        ✗ 2. Ammonium Nitrate

        ✓ 3. Cyclotetra Methylene Tetranitramine

        ✗ 4. Cyclo-Trimethylene Tri-nitrate

Question ID : **310578898**

Q.56 SEMTEX is a high explosive, which is a combination of the following:

Ans   ✓ 1. PETN and RDX

        ✗ 2. Nitroglycerine and Ammonium Nitrate

        ✗ 3. Dynamite and ANFO

        ✗ 4. RDX and TNT

Question ID : **310578904**

Q.57 The substance that minimizes the effect of poison is called

Ans ✗ 1. Sedative

✗ 2. Hallucinate

✗ 3. Emetics

✓ 4. Antidote

Question ID : **310578945**

Q.58 The maximum value of delta-9 THC is found in

Ans ✓ 1. Flowering tops of the female plant

✗ 2. Leaves of the female plant

✗ 3. Fruits

✗ 4. Seeds

Question ID : **310578928**

Q.59 Which one is not cardiac poison ?

Ans ✗ 1. Digitalis

✗ 2. Oleander

✗ 3. Aconite

✓ 4. Strychnine

Question ID : **310578951**

Q.60 Following detector in HPLC generates structural and molecular weight information about the eluted solute

Ans ✗ 1. Fluorescence detector

✗ 2. Electorchemical detector

✗ 3. RI detector

✓ 4. MS detector

Question ID : **310578909**

Q.61 Tetra Acetone Tetra Peroxide is also known as " Mother of Saitan"

Ans ✗ 1. Very difficult to detect after the explosion

✗ 2. Highly sensitive and can explode in workplace

✗ 3. None of these

✓ 4. Both a and b

Question ID : **310578937**

Q.62 Kerosene is a blend of

Ans ✗ 1. Aromatics

✗ 2. Naphthenes

✗ 3. Paraffins

✓ 4. All of these

Question ID : **310578902**

Q.63 Wet digestion method is not applied in case of

Ans ✗ 1. Ba

✗ 2. Cu

✓ 3. Hg

✗ 4. Zn

Question ID : **310578948**

Q.64 X- ray detectors are all except

Ans ✗ 1. Gas filled Detectors

✓ 2. Thermocouple

✗ 3. Scintillator

✗ 4. Geiger Counter

Question ID : **310578931**

Q.65 Emission of radiation of higher wavelength after absorption of UV- Light is called

Ans ✗ 1. Diffraction

✗ 2. Interference Phenomena

✓ 3. Fluorescence

✗ 4. None of these

Question ID : **310578955**

Q.66 Following is not improvised explosive:

Ans ✓ 1. Hand grenade

✗ 2. Pipe bomb

✗ 3. Booby trap

✗ 4. Letter bomb

Question ID : **310578900**

Q.67 One of the active ingredients of castor oil acts as toxin is.

Ans ✗ 1. Strychnine

✓ 2. Ricin

✗ 3. Morphine

✗ 4. Atropine

Question ID : **310578952**

Q.68 In XRF spectrometry, the excitation source is

Ans ✗ 1. Neutron gun

✓ 2. X-ray tube

✗ 3. Proton gun

✗ 4. Electron gun

Question ID : **310578894**

Q.69 Which of the following is not used as a detector in HPLC ?

Ans ✗ 1. Electrochemical detector

✓ 2. Mercury Cadmium Telluride

✗ 3. Phototubes

✗ 4. Photomultiplier tubes

Question ID : **310578919**

Q.70 Following technique provides a unique fingerprint of a chemical structure

Ans ✗ 1. Visible spectrophotometry

✗ 2. UV spectrophotometry

✓ 3. IR spectrophotometry

✗ 4. NIR spectrophotometry

Question ID : **310578896**

Q.71 NAA method was developed by

Ans ✗ 1. Piobert and Pascal

✓ 2. Hevesy and Levi

✗ 3. Henry and Pascal

✗ 4. Martin and Synge

Question ID : **310578910**

Q.72 The "Fingerprint" region of IR spectrum can be subdivided into the following except

Ans ✗ 1. Below 1000 cm^{-1}

✗ 2. 1350-1000 cm^{-1}

✗ 3. 1500-1350 cm^{-1}

✓ 4. Below 500 cm^{-1}

Question ID : **310578917**

Q.73 400 cm^{-1} is equals to

Ans ✓ 1. 25000 nm

✗ 2. 2500 Å

✗ 3. 2500 nm

✗ 4. 250 nm

Question ID : **310578915**

Q.74 Detector in FT-IR detects all the rays except

Ans ✗ 1. None of these

✗ 2. Rays of Intermediate phase

✗ 3. Rays in phase

✓ 4. Rays out of phase

Question ID : **310578913**

Q.75 Electrode less discharge lamp is used in

Ans   ✔ 1. AAS

✘ 2. AES

✘ 3. X-ray Fluorescence Spectrometer

✘ 4. IR spectrometer

Question ID : **310578895**

Q.76 Symmetric stretching can be identifying by:

Ans   ✘ 1. NMR

✔ 2. Raman

✘ 3. ESR

✘ 4. FT-IR

Question ID : **310578940**

Q.77 One of the followings produce toxic hypothermia:

Ans   ✘ 1. Antidepressants

✔ 2. Opioids

✘ 3. Anticholinergics

✘ 4. Salicylates

Question ID : **310578938**

Q.78 The average elimination or "burn off" rate of alcohol is approximately:

Ans   ✔ 1. 0.15% w/v per hr.

✘ 2. 0.015% w/v per hr.

✘ 3. 0.5% w/v per hr.

✘ 4. 0.05% w/v per hr.

Question ID : **310578905**

Q.79 Bernoulli's Principle is used in

Ans   ✘ 1. Vaporization

✘ 2. Molecular breaking

✘ 3. Ionization

✔ 4. Atomization

Question ID : **310578932**

Q.80 In the analysis of poisons, the sequence of events in chronological order is

Ans   ✘ 1. Group tests, tissue homogenization, extraction and specific tests

✔ 2. Tissue homogenization, extraction, group tests, specific tests

✘ 3. Extraction, tissue homogenization, group test and specific tests.

✘ 4. Extraction, group test, tissue homogenization and specific test

Question ID : **310578954**

Q.81 The working of Polilight is based on _____ .

Ans   ✗ 1. N.I.R. Radiation source

       ✓ 2. All of these

       ✗ 3. U.V. light source

       ✗ 4. Visible light

Question ID : **310578921**

Q.82 The substance that causes vomiting is called

Ans   ✗ 1. Antidote

       ✗ 2. Sedative

       ✗ 3. Hallucinogen

       ✓ 4. Emetic

Question ID : **310578944**

Q.83 The flash point analysis is used to detect the following:

Ans   ✗ 1. Copper sulphate

       ✗ 2. Explosives

       ✓ 3. Petroleum products

       ✗ 4. Vegetable poisons

Question ID : **310578926**

Q.84 A person was brought to police station by patrolling police from road side. He is taking irrelevant. He is having drymouth with hot skin, dilated pupils, staggering gait and slurred speech. The most probable diagnosis is.

Ans   ✓ 1. Dhatura poisoning

       ✗ 2. Carbamate's poisoning

       ✗ 3. Organophosphorus poisoning

       ✗ 4. Alcohol intoxication

Question ID : **310578953**

Q.85 The sample is kept in the beam of _____ in AAS

Ans   ✗ 1. Not on any electrode

       ✓ 2. Cathode

       ✗ 3. Anode

       ✗ 4. Any of the electordes

Question ID : **310578912**

Q.86 Ethanol is used as an antidote in methanol poisoning because:

Ans ✗ 1. Ethanol by-product is formic acid

✓ 2. Ethanol competes for ADH enzyme

✗ 3. Ethanol is cheap and easily available

✗ 4. Ethanol Competes for choline esterase enzyme

Question ID : **310578922**

Q.87 Proffin alcoholic drinks is

Ans ✗ 1. Equal to the percentage of alcohol content

✗ 2. 8% of alcoholic percentage

✓ 3. Twice the percentage of alcohol content

✗ 4. 12/13 parts of alcohol percentage

Question ID : **310578907**

Q.88 This is used in Molotov cocktail:

Ans ✗ 1. Phosphorous

✓ 2. Gasoline

✗ 3. Arsenic

✗ 4. Magnesium

Question ID : **310578925**

Q.89 The "magic angle" of NMR is at

Ans ✓ 1. 54.7 degrees

✗ 2. 90 degrees

✗ 3. 60.8 degrees

✗ 4. 120 degrees

Question ID : **310578918**

Q.90 Auger effect is associated to emission of

Ans ✗ 1. IR rays

✓ 2. X rays

✗ 3. Gamma rays

✗ 4. UV rays

Question ID : **310578933**

Q.91 Optical components in UV spectrometer are made up of

Ans ✗ 1. Sodium-Halide Bromide

✗ 2. Plastic

✓ 3. Quartz

✗ 4. Glass

Question ID : **310578957**

Q.92 Which of the following detector is the best for pesticide analysis by GC:

Ans   ✓ 1. NPD

      ✗ 2. PDA

      ✗ 3. FID

      ✗ 4. MCT

Question ID : **310578920**

Q.93 Estimation of ethyl alcohol can be done quantitatively in:
a. Urine
b. Saliva
c. Blood
d. Perspiration

Ans   ✓ 1. a and c

      ✗ 2. a and b

      ✗ 3. b and c

      ✗ 4. c and d

Question ID : **310578924**

Q.94 Kozelka and Hine method is used for the quantitative estimation of

Ans   ✓ 1. Ethyl alcohol

      ✗ 2. Cannabis

      ✗ 3. Opium

      ✗ 4. Cocaine

Question ID : **310578899**

Q.95 Birefringent materials can be examined under which of the following:

Ans   ✗ 1. TEM

      ✗ 2. SEM

      ✓ 3. Polarising microscope

      ✗ 4. Fluorescent microscope

Question ID : **310578942**

Q.96 Hollow cathode lamp is used in the following

Ans   ✗ 1. IR spectrometer

      ✗ 2. X-ray fluorescence spectrometer

      ✗ 3. AES

      ✓ 4. AAS

Question ID : **310578956**

Q.97 Ethanol is absorbed into blood from

Ans ✔ 1. Stomach and small intestine

✘ 2. Kidney and liver

✘ 3. Liver and large intestine

✘ 4. Stomach and large intestine

Question ID : **310578903**

Q.98 MCT detector is used in

Ans ✔ 1. FTIR Spectrometer

✘ 2. AAS

✘ 3. LC-MS

✘ 4. GC-MS

Question ID : **310578892**

Q.99 A movable mirror is attached to the spectrophotometer in

Ans ✘ 1. NMR

✘ 2. UV

✔ 3. IR

✘ 4. AAS

Question ID : **310578935**

Q.100 Club Drugs legally used by vetenarians as tranquilizer is called:

Ans ✘ 1. Morphine

✘ 2. Cocaine

✘ 3. Diazepam

✔ 4. Ketamine

Question ID : **310578916**

Q.101 A GC identifies accelerants by a chromatogram's

Ans ✔ 1. Pattern

✘ 2. Peak Height

✘ 3. Peak Shape

✘ 4. Peak Length

Question ID : **310578936**

Q.102 The following method is non-destructive technique for ink identification.

Ans ✘ 1. UV-vis spectrometer

✘ 2. TLC

✔ 3. Video spectral analysis

✘ 4. Solubility test

Question ID : **310578911**

Q.103 In SEM, the incident beam is focused by means of

Ans   ✔ 1. Electromagnets

         ✘ 2. Slits

         ✘ 3. Lens

         ✘ 4. Mirrors

Question ID : **310578893**

Q.104 NAA is bases on

Ans   ✔ 1. Both a and b

         ✘ 2. Spontaneous gamma emission

         ✘ 3. Beta emission

         ✘ 4. Delayed gamma emission

Question ID : **310578929**

Q.105 The best method to avoid aspiration of fluids during gastric lavage in a comatose patient is by:

Ans   ✘ 1. Continuous suction of the fluid from the trachea

         ✔ 2. Introduction of a cuffed endotracheal tube before lavage

         ✘ 3. Putting the patient in the left lateral position

         ✘ 4. Putting the head of the patient at a lower level than his feet

Question ID : **310578939**

Q.106 The silica gel "G" contains _____ as binder

Ans   ✔ 1. Gypsum

         ✘ 2. Cobalt

         ✘ 3. Aluminium

         ✘ 4. Germanium

Question ID : **310578960**

Q.107 In a healthy middle-aged individual, a carbon monoxide blood saturation greater than _____ is considered fatal

Ans   ✘ 1. 30 to 40 %

         ✘ 2. 5 to 10 %

         ✔ 3. 50 to 60 %

         ✘ 4. 10 to 20 %

Question ID : **310578950**

Q.108 Photoelectric effect has been discovered by

Ans ✗ 1. Issac Newton

✗ 2. Max plank

✓ 3. Albert Einstein

✗ 4. Thomas young

Question ID : 310578930

Q.109 In trap cases, the pink colour of Phenolphthalein fades due to

Ans ✗ 1. Complex with Na_2CO_3

✓ 2. 2(4-Hydroxybenzoyle) Benzoic acid and phenol

✗ 3. Phenolic anhydride

✗ 4. Trichloro phenolphthalein

Question ID : 310578906

Q.110 Mass spectrometry required the sample to be in

Ans ✗ 1. Liquid state

✓ 2. Vapour state

✗ 3. Solid state

✗ 4. Semisolid state

Question ID : 310578897

Q.111 Scalding is caused when liquid in contact has temperature above

Ans ✗ 1. 80° C

✗ 2. 50° C

✓ 3. 60° C

✗ 4. 44° C

Question ID : 310578943

Q.112 Atropine and oxime is used as an antidote for

Ans ✗ 1. Acid poisoning

✓ 2. Organophosphorus poisoning

✗ 3. Organochloride poisoning

✗ 4. Carbamate poisoning

Question ID : 310578946

Q.113 Non- volatile organic poison is extracted and isolated through

Ans ✗ 1. Distillation method

✗ 2. Dry –ashing method

✓ 3. Ammonium sulphate method

✗ 4. Fresenium bebo method

Question ID : 310578947

Q.114 Radioactivity of a substance can be measured by

Ans   ✗ 1. MCT detector

         ✓ 2. GM Counter

         ✗ 3. EC Counter

         ✗ 4. TCD detector

Question ID : **310578958**

Q.115 Domestic kerosene is blue in colour due to

Ans   ✗ 1. Coomassie blue dye

         ✗ 2. Anthracene dye

         ✗ 3. Eosine dye

         ✓ 4. Anthraquinone dye

Question ID : **310578908**

Q.116 Nebulizers are following except

Ans   ✗ 1. Electro-thermal Vaporization

         ✓ 2. None of these

         ✗ 3. Ultrasound

         ✗ 4. Pneumatic

Question ID : **310578934**

Q.117 Minimum temperature to produce burn is

Ans   ✗ 1. 54° C

         ✗ 2. 50° C

         ✗ 3. 40° C

         ✓ 4. 44° C

Question ID : **310578941**

Q.118 The heavy metals can be easily detected by:

Ans   ✗ 1. Electrophoresis

         ✓ 2. Atomic Absorption Spectroscopy

         ✗ 3. HPLC

         ✗ 4. Mass Spectrometry

Question ID : **310578927**

Q.119 Most suitable method for extraction and isolation of mercury is

Ans   ✗ 1. Wet digestion method

         ✗ 2. Ammonium sulphate method

         ✗ 3. Dry ashing method

         ✓ 4. Fresenium bebo method

Question ID : **310578949**

Q.120 Which of the following is not Organophosphate:

Ans   ✗ 1. Malathion

      ✗ 2. Chlorpyrifos

      ✗ 3. Prophenophos

      ✔ 4. Propoxur

Question ID : **310578914**