

Q. No	Question	Correct Ans	Option1	Option2	Option3	Option4
1	Vibrations too high in frequency to be audible (greater than 20,000 Hz) are called:	Ultrasonic	Infrasonic	Subsonic	Ultrasonic	Transonic
2	Person A can finish a work in 60 days. Another person B can finish the same work in 40 days. Person B worked for 10 days and left the job. In how many days person A alone can finish the remaining work?	45 days	45 days	30 days	50 days	25 days
3	Which of the following is NOT related to Glass?	Crystalline	Hard	Crystalline	Brittle	Amorphous
4	Ten Fingerprints Classification System for fingerprint identification is also known as:	Henry's system	Fauld's system	Bertillon's system	Henry's system	Galton's system
5	Which of the following is NOT the fundamental physical quantity?	Weight	Length	Weight	Electric current	Time
6	In which year, the first Finger print Bureau was established in India?	1897	1897	1887	1896	1898

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7	When a steel rod is heated to 2800 degree F, the colour of molten steel becomes	white colour	dull red colour	orange colour	yellow colour	white colour
8	Which word is most opposite in meaning of word 'jeopardises' as used in a sentence or a passage?	Safeguards	Safeguards	Endangers	Devaluates	Decreases
9	Which factors determine the quality of human efforts?	Desire and willingness to excel in whatever he/ she undertakes	Desire and willingness to excel in whatever he/ she undertakes	Financial resources available with the organisation	The individual innovativeness	Job security and leadership
10	Reports of certain Government scientific experts may be used as evidence in court under section	293 CrPC	293 CrPC	261 CrPC	302 IPC	376 IPC
11	While making crime scene sketch location of interest on the walls or elsewhere in the enclosed space are best shown using	Cross projection method of sketching	Triangular method of sketching	Base line method of sketching	Cross projection method of sketching	Compass point method
12	The term Narco analysis was coined by	Horseley	Robert House	Horseley	Farwell	William Blackwenn

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13	Mug book contains	Photographs of the criminal	Photographs of the criminal	Photographs of the victim	Photograph of the dead bodies	Photographs of the crime scene
14	It is NOT true that ISO/IEC 17025:2005	Is NOT intended to be used as the basis for certification of laboratories	is related to management system, quality administration and technical operations of laboratories	Specifies the general requirement for the competence to carry out tests and/or calibration, including testing	Covers testing and calibration performed using standard methods, non-standard methods and laboratory development methods	Is NOT intended to be used as the basis for certification of laboratories
15	Use of Narco analysis, Brain mapping and Polygraph tests on suspects was declared illegal and against constitution by Supreme court of India on	5 May, 2010	5 May, 2011	10 September, 2011	5 May, 2010	10 September, 2010
16	Hargobind khurana was awarded Nobel Prize for	Unraveling the nucleotide sequence of RNA and deciphering the genetic code	Synthesizing the first artificial gene	Unraveling the nucleotide sequence of RNA and deciphering the genetic code	Deciphering the human genome	Revealing the fundamental structure of DNA
17	He left the police station contrite. Choose the word nearest in meaning to CONTRITE	Penitent	Sore	Angry	Penitent	Cheerful
18	NABL undertakes assessment of Accreditation of Testing & Calibration of laboratories in accordance with international standard ISO/IEC 17025 * ISO15189. Advantages of NABL Accreditations include:-	Potential increase in business due to customer confidence and satisfaction	Better control on ministerial staff	Better control of chemical and glassware	Potential increase in business due to customer confidence and satisfaction	Increase in emoluments of scientists

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19	Gel pen ink consists of:-	Pigment suspended in water based gel	Pigment suspended in water based gel	Lakes suspended in water based gel	Pigment suspended in oil based gel	Lakes suspended in oil based gel
20	High Security Number Plates were introduced in 2005 for security reasons because it contains:-	A seven digit unique Laser Code & a self destructive sticker	Number plate is made of alloys	It contains hologram of Transport Department	A seven digit unique Laser Code & a self destructive sticker	It contains invisible engine and chassis number
21	A fraudulent scheme where the operator promises higher rate of return with little risk and generates returns for older investors through revenue paid by new investors. It is called:-	Ponzi scheme	Fraudulent lottery scheme	Ponzi scheme	Phishing	Hacking
22	High denomination printed Non-Judicial (NJ) Stamp paper contains:-	High quality printing and perforations	Serial Number of the NJ Stamp paper in two colours	Multi coloured security thread	High quality printing and perforations	A cut mark on the right corner of NJ Stamp paper
23	Thermal Printing is a digital printing process which produces images by:	Selective heating of thermo chromic paper	Selective heating of printing ink	Selective heating of toners	Selective heating of thermo chromic paper	Colour and wax coated ribbon
24	Which of the detector is most suitable for measurement of emission of radiation in U.V. region?	Photo-multiplier Detector	Photodiode Detector	Electric Conductivity Detector	Photo-multiplier Detector	Thermal Conductivity Detector

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25	In microscopy, let 'n' be the refractive index of the medium through which light travels from the object to the lens. If there is increase in 'n', then which of the following statements is true?	It increases both the numerical aperture of the objective as well as resolving power of microscope	It increases the numerical aperture of the objective and decreases the resolving power of the microscope	It increases both the numerical aperture of the objective as well as resolving power of microscope	It decreases the numerical aperture of the microscope as well as resolving power of the microscope	It decreases the numerical aperture of the objective, but increases the resolving power of the microscope
26	In a microscope, for small values of numerical aperture of the objective, the depth of field 'd' varies with numerical aperture(NA), as?	"d" is inversely proportional to (NA) ²	"d" is directly proportional to (NA) ²	"d" is directly proportional to (NA) ^{1/2}	"d" is inversely proportional to (NA) ²	"d" is inversely proportional to (NA) ^{1/2}
27	The technique of taking photographs through microscope is called?	Photomicrography	Photomicrography	Photomacrography	Microphotography	Macrophotography
28	For two events A and B, the Bayes' theorem is given by which of the following formulas, (P(A) ≠ 0) (symbols have their usual meanings)?	$P(B/A) = [P(B) \times P(A/B)] / P(A)$	$P(B/A) = [P(B) \times P(A/B)] / P(A)$	$P(B/A) = P(A) / [P(B) \times P(A/B)]$	$P(B/A) = [P(B) + P(A/B)] / P(A)$	$P(B/A) = P(A) / [P(B) + P(A/B)]$
29	"No person accused of an offence can be compelled to be a witness against himself" is covered under:	Indian Constitution	Identification of Prisoners' Act	Indian Constitution	Code of Criminal Procedure, 1973	Indian Evidence Act, 1872
30	In electron microscope, the image of the object is formed by which of the following when a beam of electrons is directed at the object?	Scattered electrons	X-rays	Scattered electrons	α - Rays	UV-rays

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31	If R and S are two independent events, then, with usual symbols, the probability that they will both occur, that is P(R and S) is given by which of the following formulas?	$P(R \text{ and } S) = P(R) \times P(S)$	$P(R \text{ and } S) = P(R) + P(S)$	$P(R \text{ and } S) = P(R) \times P(S/R)$	$P(R \text{ and } S) = P(R) \times P(S)$	$P(R \text{ and } S) = 1 - P(R) - P(S)$
32	Consecutive number is always divisible by largest possible number by which the product of five consecutive natural number can be divided by:	120	160	120	180	240
33	Big-Bang theory of universe is related to:	Evolutionary theory	Study state theory	Support heliocentric theory	Support geocentric theory	Evolutionary theory
34	A bag contains 8 green and 8 red balls. Find the probability that the ball drawn is red when one ball is selected at random:	1 / 2	1 / 3	1 / 6	1 / 2	5 / 6
35	Two dice are rolled simultaneously. Find the probability of getting a multiple of 2 on one dice and multiple of three on the other dice:	11 / 36	15 / 36	25 / 36	11 / 36	5 / 6
36	Flammable ice is	Methane hydrate	Dry ice	Methane hydrate	Ethane hydrate	Nitrous oxide under high pressure

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37	Carbon refer to diamond and then corundum refers to	Ruby	Pearl	Phukraj	Garnet	Ruby
38	World Ozone Day is celebrated on	September, 16	October, 16	September, 16	June, 16	March, 16
39	Where the first chemical examiner laboratory was established?	Madras	Bombay	Calcutta	Agra	Madras
40	Preservative used for preservation of viscera in hydrochloric acid poisoning	Ethyl alcohol	Sodium chloride	Sodium hydroxide	Ethyl alcohol	Formaldehyde
41	Forensic experts are authorised to conduct examination of currency notes under section:	292 CrPC	293 CrPC	290 CrPC	292 CrPC	280 CrPC
42	Which of the following microscope is most suitable for studying sequence of strokes?	Scanning Electron microscope	Polarising microscope	Comparison microscope	Compound microscope	Scanning Electron microscope

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43	How would you distinguish a file having bad extension?	By using file signature	By determining hash value	By using metadata	By using file signature	Through cryptography
44	Specific type of memory that can be erased anytime is classified as	EPROM	BROM	DROM	EPROM	EROM
45	Which of the following is NOT a type of Volatile evidence?	Log files	Routing tables	Main memory	Log files	Cached data
46	The size of the seized Hard Disk is 500 GB and it is having free space of 300 GB. What will be the size of the digital forensic raw image?	500 GB	200 GB	300 GB	500 GB	400 GB
47	Which command will NOT show the MAC address of a computer?	"msconfig"	"netstat"	"msconfig"	"ipconfig"	"getmac"
48	What is the space on a drive called when a file is deleted?	Un-allocated space	Disk space	Un-allocated space	Drive space	Free space

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49	Which of the following commands CANNOT be used to collect the Volatile Data	Del	Date	Path	Dir	Del
50	Crossover cable is used to connect?	Host to Host	Switch to Router	Host to Host	Hub to Router	Hub to switch