

AIFSET 2021

All India Forensic Science Entrance Test

AIFSET 2021 Question Paper

Q.1 State of freezing involves

- A. loss of kinetic energy
- B. increased force of attraction
- C. liquid solidifies
- D. All of Above

Q.2 Recycling helps us by

- A. saving energy
- B. conserving ores
- C. cheaper than extracting
- D. All of Above

Q.3 Inorganic non-metallic solid which is made by heating a mixture of substance to a very high temperature gives off

- A. ceramic
- B. molten
- C. solid
- D. brass

Q.4 State which have regular arrangement and cannot change its shape is

- A. solid
- B. liquid
- C. gas
- D. All of Above

Q.5 Volume of gas is inversely proportional to

- A. pressure
- B. temperature
- C. concentration
- D. humidity

Q.6 Graphite have high melting and boiling points but they are

- A. soft
- B. do not conduct heat
- C. do not conduct electricity

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D. All of Above

Q.7 Solubility depends upon

- A. temperature
- B. solute
- C. solvent
- D. all of above

Q.8 Solution which can hold no more solute is called

- A. dilute solution
- B. saturated solution
- C. aqueous solution
- D. concentrated solution

Q.9 Tearing paper: Physical or chemical change?

- A) physical
- B) neither
- C) chemical

Q.10 Who is the creator of the periodic table?

- A. Dimitri Mendeleev
- B. Henry Moseley
- C. Johnny Schillereff
- D. John Newlands

Q.11 What is the atomic number for helium?

- A. 1
- B. 2
- C. 4
- D. 8

Q.12 The element neon is from what group?

- A. Halogen
- B. Rare Earth
- C. Noble Gas
- D. Non-Metal

Q.13 What is the atomic weight of copper?

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- A. 58.9332
- B. 63.546
- C. 51.9961
- D. 40.078

Q.14 .It refers to a body of knowledge regarding crime as a social phenomenon.

- A. Penology
- B. Criminology
- C. Sociology
- D. Psychology

Q.15 The study of criminology involves the study of many disciplines in the collection of knowledge about criminal actions, thereby it is:

- A. Scientific
- B. Multidisciplinary
- C. Psychiatric
- D. Economics

Q.16 Kidnapping is an example of crime.

- A. Against personal liberty and security
- . B. Against Honor
- C. Against person
- D. Against chastity

Q.17 Unicellular organisms contains

- A. One cell
- B. Many cells
- C. Both
- D. NONE

Q.18 Plants and animal cells are examples of

- A. prokaryotic cells
- B. eukaryotic cells
- C. Both

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D. None

Q. 19 Gram positive bacteria shows color in staining

- A. Purple
- B. Pink
- C. Yellow
- D. Red

Q.20 What is Chemotaxis?

- A. Swimming towards a bacteria
- B. Swimming away of a bacteria
- C. In the presence of a chemical compound, swimming towards or away of a bacteria
- D. None of these

Q.21 Extrachromosomal DNA is known as

- A. PLASMA MEMBRANE
- B. Chromosomal DNA
- C. Plasmid
- D. None

Q.22 smallest sized particle of soil are

- A. Sand
- B. Silt
- C. Clay
- D. all

Q.23 For proper forensic investigation

- A. Evidence must be well documented
- B. Evidence must be well destroyed

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- C. Avoid Evidence collection
- D. Avoid Evidence preservation

Q24- Which of the following does not act as a neurotransmitter ?

- a) Acetylcholine
- b) Epinephrine
- c) Norepinephrine
- d) Cortisone

Q25- Which of the following is the contractile protein of a muscle

- a) Tubulin
- b) Myosin
- c) All of these
- d) None of these

Q26- Muscle fatigue sets in due to non availability of

- a) Calcium
- b) ATP
- c) Actin binding site
- d) Mg co-factor

Q27- Those reflex action which involve brain are called :

- a) Stimulus
- b) Cerebral reflexes
- c) Spinal reflexes
- d) Spinal cord

Q28- A microscopic gap between a pair of adjacent neurons over which nerve impulses passed when going from one neuron to the next is called :

- a) Neurotransmitter
- b) Synapse
- c) Axon
- d) None of the above

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Q29- Hibernation is also known as

- a) Winter sleep
- b) Summer sleep
- c) Spring sleep
- d) None of the above.

Q30- High altitude cause

- a) Increase O_2
- b) Decrease PO_2
- c) Increase PO_2
- d) Vapourise H_2O

Q31- Full form of ATP is

- a) Adenosine triphosphate
- b) Attractive type of personality
- c) Arbitrage trading program
- d) None of the above

Q32- Which one of the following secreted by posterior pituitary regulates water retention by kidney ?

- a) Antidiuretic hormone
- b) Aldosterone
- c) Thyroxine
- d) Erythrocoietin

Q 33. The reaction which are caused by heat and in absence of light is called.

- A photochemical reaction
- B Dark reaction
- C Reversible reaction
- D reversible photochemical reaction

Q 34. which of the following is an example of photochemical reaction.

- A photosynthesis

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- B Decomposition of ammonia
- C Formation of NaOH
- D Decomposition of HCL

Q 35. Medicine bottles often made with darkend glass.

- A To prevent the drugs from photo degradation
- B To allow the photo decoration of Drugs
- C To reduce the cost
- D To allow the oxidation of drugs.

Q36. Tinny bones called..... transmit vibrational to the inner ear.

- A Middle canal.
- B Ventricle
- C Ossiceals
- D Tympana

Q 37. what does axial skeleton consist of.

- A Skull
- B verteberal
- C ribes and sternum
- D all of the above

Q. 38. finger bone also known as.

- A Hamate
- B Girdles
- C phalanges
- D Metacarpal

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Q 39. Excretion refers to.

- A removal of nitrogenous waste
- B removal of undigested food
- C removal of excess of water
- D None of these.

Q 40 Glomerulus is formed by.

- A Branch from renal vein.
- B urineferrous tube.
- C Branch from renal artery.
- D cooling of proximal part of unifrous tubes.

Q 41 Hibernation takes place in which type of animal.

- A cold blooded
- B warm blooded
- C Boths A and B
- D Neither A or nor B

Q 42. which layer is Serves as heat insulator.

- A subcutaneous adipose layer.
- B Geothermal layer.
- C Stratosphere layer.
- D All of the above.

Q 43. which of the following does not act as new transmitter.

- A Acetylcholine
- B Epinephrine
- C Norepinephrine
- D Cortisone

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Q 44. which part of brain is used for muscles moment.

- A cerebrum
- B cerebellum
- C Brain stem
- D Frontal

Q 45. Which is photo sensitive part of the human eye.

- A Retina
- B pupil
- C lens
- D vitreous humor.

Q46- Which term is used both for a part of kidney a part of skeleton in the mammals ?

- a)Centrum
- b)Pelvis
- c)Cortex
- d)Medulla

Q47- Based on type of excretory product humans for under which category 4?

- a)Ureotelic
- b)Uricotelic
- c)Ammonotelci
- d)None of the above

Q48- Measure role of sweat gland is

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- a) Excretion of nitrogenous waste
- b) Thermoregulation
- c) Detoxification
- d) Protection against microorganism

Q49- Famous virus of 2020 is

- A. Ebola
- B. Coronavirus
- C. HIV
- D. None

Q50- seminal plasma in humans is rich in

- A. Fructose and calcium but has no enzymes
- B. Glucose and certain enzymes but has no calcium
- C. fructose and certain enzymes but poor in calcium
- D. Fructose, calcium and certain enzymes

Q.52 Progesterone is secreted by _____ in the ovary?

- a. Corpus luteum
- b. Endometrium
- c. Both
- d. None

Q.53 The human kidney produce urine which contains metabolic waste such as?

- a. Ammonia
- b. Urea
- c. Uric acid
- D. None

Q.54 which artery delivers blood to each kidney?

- a. Renal
- b. Interlobular
- c. Prophrie
- d. none

Q.55 Henle's loop is __ shaped?

- a. H
- b. I

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c.U
d.D

Q.56 Mammary gland is modification of

- A. Sweat glands
- B. Salivary glands
- C. lacrimal glands
- D. none of these

57 - Forensic Odontology deals with

- A. Bone
- B. Teeth
- C. Blood
- D. Skin

58 - The headquarter of Federal Bureau of Investigation is located at-

- A. Germany
- B. Switzerland
- C. France
- D. USA

59- The birth place of Forensic Psychology is

- i) Leipzig
- ii) Ohio
- iii) Oklahoma
- iv) Washington D.C

60- Where is the headquarter of NCRB located at

- i) Pune
- ii) Madhya Pradesh
- iii) Bangalore
- iv) New Delhi

61- Which Hemisphere of brain is more dominant

- i) Left
- ii) Right
- iii) Both
- iv) None

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- 62- How many Chapters are there in IPC
- 25
 - 23
 - 20
 - 24
- 63- In Psychology, who gave the Theory of development thinking
- George Rosswelt
 - James Piaget
 - Jean Piache
 - Jean Piaget
- 64- Who gave the prototype of Lie Detector
- William George
 - Alexandra Mill
 - William Marston
 - William stern
- 65- Pineal Gland secretes _____
- Thyroxine
 - Triiodothyronine
 - Insulin
 - Melatonin
- 66- Brain has hollow cavities filled with fluid called
- Cerebral fluid
 - Cerebrospinal fluid
 - Choroid fluid
 - Blood
- 67- POCSO stands for
- The Protection of children from sexual offences
 - The Prevention of Child service organization
 - The Protection of child secondary offences
 - The protection of children from secondary offences
- 68- Narco analysis test is also called
- Faith test
 - Truth serum test
 - Anesthesia test
 - None of the above
69. hematoma in the skin appears as _____.
- a localized brown pigmentation
 - an overall reddish discoloration of the skin
 - an overall blue discoloration of the skin
 - black and blue marks

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70. Enzyme rennin used in digestion is secreted from _____

- a) Stomach
- b) Liver
- c) Intestine
- d) Mouth

71. Which part of stomach is absent in frog?

- a) Pyloric
- b) Fundic
- c) Labia
- d) A and B

72. Which substance is insoluble in water?

- a) Keratin
- b) Glucose
- c) Both
- d) None

73. Coloring of the skin is due to which pigment?

- a) Valine
- b) Melanin
- c) Chlorophyll
- d) None

74. The main function of Melanin is _____.

- a) Protection from Heat
- b) To give waterproof covering
- c) To provide moisturizing effect to skin
- d) To prevent Harmful U.V rays from entering the body

75. Sweat Glands plays a major role in _____

- a) Regulating fluid balance
- b) Regulating Body temperature
- c) Excretion of toxicity
- d) None

76. The gland which is located at the margins of eyelid is _____.

- a) Sebaceous gland

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- b) Meibomian Gland
 - c) Zeis Gland
 - d) Farsal gland
77. The gas filled organ is also called _____
- a) Swim Bladder
 - b) Bladder
 - c) Cavity Hole
 - d) All of these
78. Lack of Melanin pigment in skin is known as _____
- a) Albuminum
 - b) Albinism
 - c) White leprosy
 - d) Eczema
79. At what stage of morula implantation at endometrium takes place
- a) 3 day morula
 - b) Embryo stage
 - c) Blastula
 - d) Blastocyst
80. Which part of the sperm provide energy for locomotion of sperm
- a) Nucleus
 - b) Mitochondria
 - c) Semen
 - d) Progesterone
81. Acrosome of sperm destroy which layer of egg
- a) Zona pellucid
 - b) Envelope
 - c) Zona striata
 - d) Corona radiate
82. Which membrane connects tongue to the bottom of the mouth?
- a) Frenulum
 - b) Septum
 - c) Lingual wall
 - d) Barrier reff

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83. Which receptor is present in the nose?
- Photo receptors
 - Telo receptors
 - Telo receptors
 - Phono receptors
84. Chemoreceptors cells are also called
- Cones
 - Buds
 - Olfactory receptors
 - Corneous cells
85. What is a common neurotransmitter?
- Acetylcholine
 - GABA
 - Serotonin
 - All of the above
86. What are the two divisions of the nervous system?
- Central and peripheral
 - Motor and sensor
 - Central and functional
 - Sympathetic and parasympathetic
87. Which of the following is the largest gland?
- Liver
 - Thymus
 - Pancreases
 - Pancreases
88. ph of saliva is _____
- 6
 - 6.8
 - 7.5
 - 9.6
89. Study of stomach is known as
- Gastrocystis
 - Gastroenterology
 - Stomacology

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- d) None
90. The principle of kidneys are?
- a) Blood circulation
 - b) Osmoregulation
 - c) Excretion and osmoregulation
 - d) Blood filtration.
91. Identical twins are also known as
- a) Dizygotic twins
 - b) Monozygotic twins
 - c) Fraternal twins
 - d) Both a and c
92. Eggs have _____ nucleus.
- a) Diploid
 - b) Haploid
 - c) Haplodiploid
 - d) None.
93. Placenta release _____ for lactation.
- a) Estrogen
 - b) Oxytocin
 - c) Lactogen
 - d) Progesterone
94. Placenta works like an _____ organ.
- a) Endocrine
 - b) Exocrine
 - c) Reproductive
 - d) Digestive
95. The changes in amphibian metamorphosis are initiated by _____ hormones.
- a) Iodine
 - b) Thyroid
 - c) Testosterone
 - d) None
96. Tadpoles are _____ .
- a) Ureotelic

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- b) Uricotelic
 - c) Ammonotelic
 - d) None.
97. _____ affects tissue differentiation and prenatal development of the organs.
- a) Fetal glucocorticoid
 - b) Insulin
 - c) Iodine
 - d) None.
98. Scent glands are?
- a) Exocrine gland
 - b) Pituitary gland
 - c) Endocrine gland
 - d) Salivary gland
99. Swim bladder is present in?
- a) Deep-sea bony fish
 - b) Cartilaginous fish
 - c) Bony fish
 - d) All of the above
100. Father of modern embryology was?
- a) Karl ernst von baer
 - b) Panchanan maheshwari
 - c) Nobel laureate
 - d) Ernst Haecke