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Candidate Answer Key and Grievance Submission

Name

Application No.

Roll No.

Paper PHARMACISTAND MULTIPURPOSE HEALTH WORKER (Male)

Date of Examination 03-08-2024

Batch Start Time 03:00 PM

Batch End Time 05:00 PM

QID : 201 - What is used as a vulcanising agent in rubber for the construction of closures for the packaging of pharmaceuticals?

Options:

- 1) Sulphur
- 2) Zinc stearate
- 3) Mineral oils
- 4) Talc

Correct Answer: 1) Sulphur

Candidate Answer: 1) Sulphur

QID : 202 - In the process of mechanical size reduction, which of the following mill works on the principle of impact?

Options:

- 1) Bohr stone mill
- 2) Hammer mill
- 3) Edge runner mill
- 4) End runner mill

Correct Answer: 2) Hammer mill

Candidate Answer: 2) Hammer mill



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QID : 203 - Which of the following statements describes the disadvantage of using water as a solvent in the extraction of the drug?

Options:

- 1) It is very cheap.
- 2) It is non-toxic.
- 3) It leads to the hydrolysis of many substances.
- 4) It can dissolve a wide range of chemical substances.

Correct Answer: 3) It leads to the hydrolysis of many substances.

Candidate Answer: 3) It leads to the hydrolysis of many substances.

QID : 204 - Name the process of removing the water of crystallization from the hydrated crystalline substances and making them anhydrous.

Options:

- 1) Lyophilisation
- 2) Desiccation
- 3) Ignition
- 4) Exsiccation

Correct Answer: 4) Exsiccation

Candidate Answer: 2) Desiccation

QID : 205 - For the drying processes, in which type of dryer the gas is allowed to flow upward through a bed?

Options:

- 1) Rotary dryer
- 2) Fluidised bed dryer
- 3) Drum dryer
- 4) Spray dryer

Correct Answer: 2) Fluidised bed dryer

Candidate Answer: 2) Fluidised bed dryer

QID : 206 - Which part of prescription contains prescriber's directions to the pharmacist regarding the dosage form to be prepared and number of doses to be dispensed?

Options:

- 1) Signatura
- 2) Date
- 3) Subscription
- 4) Inscription

Correct Answer: 3) Subscription

Candidate Answer: 3) Subscription

QID : 207 - Which of the following factor affect the dose and action of a drug in an individual?

- I. Route of administration
- II. Body weight

Options:

- 1) Only I
- 2) Only II
- 3) Both I and II
- 4) Neither I nor II

Correct Answer: 3) Both I and II

Candidate Answer: 3) Both I and II

QID : 208 - _____ are viscous liquid preparations used for mouth and throat infections.

Options:

- 1) Throat paints
- 2) Drops
- 3) Sprays
- 4) Enemas

Correct Answer: 1) Throat paints

Candidate Answer: 1) Throat paints

QID : 209 - Which of the following drugs is present in an antibiotic ointment?

Options:

- 1) Salicylic acid
- 2) Neomycin
- 3) Zinc oxide
- 4) Silicones

Correct Answer: 2) Neomycin

Candidate Answer: 2) Neomycin

QID : 210 - What are the injections given in the subcutaneous tissue under the skin of the upper arm called?

Options:

- 1) Intravenous injection
- 2) Intradermal injection
- 3) Hypodermic injection
- 4) Intramuscular injection

Correct Answer: 3) Hypodermic injection

Candidate Answer: 2) Intradermal injection

QID : 211 - What is used as a disinfectant of water?

Options:

- 1) Methanol
- 2) Chlorine
- 3) Phenol
- 4) Boric acid

Correct Answer: 2) Chlorine

Candidate Answer: 2) Chlorine

QID : 212 - _____ is the science of poisons which are harmful, dangerous or fatal to human.

Options:

- 1) Pharmacodynamics
- 2) Pharmacy
- 3) Toxicology
- 4) Pharmacoeconomics

Correct Answer: 3) Toxicology

Candidate Answer: 3) Toxicology

QID : 213 - _____ is defined as the amount or percentage of an active drug that is absorbed from a given dosage form.

Options:

- 1) Bioavailability of a drug
- 2) Biotransformation of a drug
- 3) Renal excretion of a drug
- 4) Retarding drug metabolism

Correct Answer: 1) Bioavailability of a drug

Candidate Answer: 1) Bioavailability of a drug

QID : 214 - For drug receptors, _____ is a measure of the strength of binding between the drug and its receptor.

Options:

- 1) Partial agonist
- 2) Affinity
- 3) Antagonist
- 4) Potency

Correct Answer: 2) Affinity

Candidate Answer: 2) Affinity

QID : 215 - Which of the following adrenergic drug is used a central stimulant?

Options:

- 1) Adrenaline
- 2) Dopamine
- 3) Phenylephrine
- 4) Amphetamine

Correct Answer: 4) Amphetamine

Candidate Answer: 4) Amphetamine

QID : 216 - In case of conjugated proteins, which of the following is an example of metalloproteins?

Options:

- 1) Casein of milk
- 2) Immunoglobulin G
- 3) Ferritin
- 4) Succinate dehydrogenase

Correct Answer: 3) Ferritin

Candidate Answer: 3) Ferritin

QID : 217 - Triacylglycerols are composed of _____ fatty acids each in ester linkage with a single glycerol.

Options:

- 1) 3
- 2) 4
- 3) 5
- 4) 6

Correct Answer: 1) 3

Candidate Answer: [NOT ANSWERED]

QID : 218 - _____ is the main storage polysaccharide of animal cells.

Options:

- 1) Chitin
- 2) Cellulose
- 3) Dextran
- 4) Glycogen

Correct Answer: 4) Glycogen

Candidate Answer: 4) Glycogen

QID : 219 - A complete, catalytically active enzyme together with its bound coenzyme and/or metal ions is called a _____.

Options:

- 1) apoprotein
- 2) holoenzyme
- 3) cofactor
- 4) hapten

Correct Answer: 2) holoenzyme

Candidate Answer: 3) cofactor

QID : 220 - Which of the following white blood cell is NOT a granulocyte?

Options:

- 1) Eosinophils
- 2) Basophils
- 3) Lymphocytes
- 4) Neutrophils

Correct Answer: 3) Lymphocytes

Candidate Answer: 3) Lymphocytes

QID : 221 - Which chapter of the Pharmacy Act, 1948 is related with the Pharmacy Council of India?

Options:

- 1) Chapter 1
- 2) Chapter 4
- 3) Chapter 3
- 4) Chapter 2

Correct Answer: 4) Chapter 2

Candidate Answer: 4) Chapter 2

QID : 222 - According to the Drugs And Cosmetics Act, 1940, if the drug is manufactured under a name which belongs to another drug, it is known as _____ drug.

Options:

- 1) spurious
- 2) adulterated
- 3) misbranded
- 4) poisonous

Correct Answer: 1) spurious

Candidate Answer: 1) spurious

QID : 223 - Under which section of the Narcotic Drugs And Psychotropic Substances Act, 1985, the Narcotics Commissioner is appointed?

Options:

- 1) Section 5
- 2) Section 6
- 3) Section 8
- 4) Section 9A

Correct Answer: 1) Section 5

Candidate Answer: [NOT ANSWERED]

QID : 224 - Which section of the Medical Termination of Pregnancy Act, 1971 talks about 'Protection of privacy of a woman'?

Options:

- 1) Section 7
- 2) Section 5A
- 3) Section 6
- 4) Section 8

Correct Answer: 2) Section 5A

Candidate Answer: [NOT ANSWERED]

QID : 225 - In India, how many members in State Pharmacy Council are elected from amongst themselves by the members of each medical council or by the Council of Medical Registration of the State?

Options:

- 1) 1
- 2) 2
- 3) 3
- 4) 4

Correct Answer: 1) 1

Candidate Answer: 1) 1

QID : 226 - Which of the following pharmaceutical aid of natural origin belongs to the class of thickening agents?

Options:

- 1) Honey
- 2) Nutmeg
- 3) Rose
- 4) Tragacanth

Correct Answer: 4) Tragacanth

Candidate Answer: 4) Tragacanth

QID : 227 - According to the pharmacological grouping of natural drugs, which of the following drug works as a parasympathetic depressant?

Options:

- 1) Belladonna
- 2) Castor oil
- 3) Rhubarb
- 4) Neem

Correct Answer: 1) Belladonna

Candidate Answer: 1) Belladonna

QID : 228 - Which of the following is dried using spray dryer?

Options:

- 1) Seeds
- 2) Papaya latex
- 3) Cinchona bark
- 4) Raspberry leaves

Correct Answer: 2) Papaya latex

Candidate Answer: 2) Papaya latex

QID : 229 - In adulteration of natural drugs, which of the following condition refers to the impairment in quality of the drug?

Options:

- 1) Spoilage
- 2) Inferiority
- 3) Deterioration
- 4) Substitution

Correct Answer: 3) Deterioration

Candidate Answer: 4) Substitution

QID : 230 - In natural drugs, what is the source of anthracene glycosides?

Options:

- 1) Tobacco
- 2) Horse chest nut
- 3) Rhubarb
- 4) Asafoetida

Correct Answer: 3) Rhubarb

Candidate Answer: 3) Rhubarb

QID : 231 - Which of the following statements states the function of minerals in human body?

Options:

- 1) They act as good source of Vitamin E.
- 2) Maintain the electrolyte balance in body fluids.
- 3) Essential for oxidation of fats.
- 4) Lowers blood cholesterol.

Correct Answer: 2) Maintain the electrolyte balance in body fluids.

Candidate Answer: 2) Maintain the electrolyte balance in body fluids.

QID : 232 - Which of the following disease is a disease of genetic origin in humans?

Options:

- 1) Typhoid
- 2) Chicken pox
- 3) Cholera
- 4) Muscular dystrophy

Correct Answer: 4) Muscular dystrophy

Candidate Answer: 4) Muscular dystrophy

QID : 233 - Which of the following shock happens in a state of severe reaction of a drug in the body?

Options:

- 1) Cardiogenic shock
- 2) Anaphylactic shock
- 3) Haemorrhagic shock
- 4) Septic shock

Correct Answer: 2) Anaphylactic shock

Candidate Answer: 2) Anaphylactic shock

QID : 234 - Agar-agar an important algae product is obtained from _____.

Options:

- 1) Gelidium
- 2) Yeast
- 3) Paramecium
- 4) Amoeba

Correct Answer: 1) Gelidium

Candidate Answer: 2) Yeast

QID : 235 - Which of the following disease is also known as Hansen's disease?

Options:

- 1) Malaria
- 2) Hepatitis
- 3) Leprosy
- 4) Tetanus

Correct Answer: 3) Leprosy

Candidate Answer: 3) Leprosy

QID : 236 - Which of the following is a cardiac manifestation of adverse drug reaction seen in the human body?

Options:

- 1) Arrhythmia
- 2) Constipation
- 3) Oedema
- 4) Skin rashes

Correct Answer: 1) Arrhythmia

Candidate Answer: 1) Arrhythmia

QID : 237 - Diabetes Mellitus is due to inadequate amounts or loss of sensitivity of _____ hormone in the human body.

Options:

- 1) Serotonin
- 2) Insulin
- 3) Adrenaline
- 4) Oxytocin

Correct Answer: 2) Insulin

Candidate Answer: 2) Insulin

QID : 238 - Which of the following statements states the pharmaceutical functions of the hospital pharmacy services in a hospital?

- I. Furnishing drug information to physicians and other professional staff.
- II. Drug use review.

Options:

- 1) Only I
- 2) Only II
- 3) Both I and II
- 4) Neither I nor II

Correct Answer: 3) Both I and II

Candidate Answer: 3) Both I and II

QID : 239 - According to the study group on hospitals (1968), for upto 400 beds in a hospital, how many Pharmacists are needed?

Options:

- 1) 3
- 2) 5
- 3) 15
- 4) 7

Correct Answer: 3) 15

Candidate Answer: 3) 15

QID : 240 - Which of the following is NOT an administrative strategy used to control drug costs in a hospital pharmacy?

Options:

- 1) Reducing drug procurement cost
- 2) Selling unlabelled bottles of drugs
- 3) Inventory management
- 4) Use of therapeutic equivalents

Correct Answer: 2) Selling unlabelled bottles of drugs

Candidate Answer: 2) Selling unlabelled bottles of drugs

QID : 241 - Which component of blood is primarily responsible for oxygen transport?

Options:

- 1) Leukocytes
- 2) Thrombocytes
- 3) Erythrocytes
- 4) Plasma

Correct Answer: 3) Erythrocytes

Candidate Answer: 3) Erythrocytes

QID : 242 - Which of the following is a characteristic feature of type AB blood?

Options:

- 1) Contains anti-A antibodies
- 2) Contains anti-B antibodies
- 3) Contains both A and B antigens
- 4) Contains neither A nor B antigens

Correct Answer: 3) Contains both A and B antigens

Candidate Answer: 3) Contains both A and B antigens

QID : 243 - Which plasma protein plays a key role in blood clotting?

Options:

- 1) Albumin
- 2) Globulin
- 3) Fibrinogen
- 4) Haemoglobin

Correct Answer: 3) Fibrinogen

Candidate Answer: 3) Fibrinogen

QID : 244 - What is the primary function of platelets in the blood?

Options:

- 1) Transporting oxygen
- 2) Fighting infections
- 3) Clotting blood
- 4) Carrying nutrients

Correct Answer: 3) Clotting blood

Candidate Answer: 3) Clotting blood

QID : 245 - Which disorder is characterized by an abnormal increase in the number of white blood cells?

Options:

- 1) Anaemia
- 2) Leukaemia
- 3) Thrombocytopenia
- 4) Haemophilia

Correct Answer: 2) Leukaemia

Candidate Answer: 2) Leukaemia

QID : 246 - Which of the following antiseptics is commonly used as a surgical scrub and for disinfecting the skin before surgery?

Options:

- 1) Chlorhexidine
- 2) Iodine
- 3) Hydrogen peroxide
- 4) Ethanol

Correct Answer: 1) Chlorhexidine

Candidate Answer: 3) Hydrogen peroxide

QID : 247 - Which disinfectant is most effective against bacterial spores?

Options:

- 1) Ethanol
- 2) Phenol
- 3) Glutaraldehyde
- 4) Quaternary ammonium compounds

Correct Answer: 3) Glutaraldehyde

Candidate Answer: [NOT ANSWERED]

QID : 248 - Which of the following sulphonamides is used primarily for treating urinary tract infections?

Options:

- 1) Sulfadiazine
- 2) Sulfacetamide
- 3) Sulphapyridine
- 4) Sulfasalazine

Correct Answer: 1) Sulfadiazine

Candidate Answer: 4) Sulfasalazine

QID : 249 - Which drug is NOT considered the first-line of treatment for leprosy (Hansen's disease)?

Options:

- 1) Rifampicin
- 2) Dapsone
- 3) Clofazimine
- 4) Isoniazid

Correct Answer: 4) Isoniazid

Candidate Answer: 4) Isoniazid

QID : 250 - Which antiseptic agent works by releasing oxygen when applied to wounds, providing both cleaning and antimicrobial effects?

Options:

- 1) Povidone-iodine
- 2) Hydrogen peroxide
- 3) Silver sulfadiazine
- 4) Benzalkonium chloride

Correct Answer: 2) Hydrogen peroxide

Candidate Answer: 2) Hydrogen peroxide

QID : 251 - Which inventory control method focuses on minimizing inventory costs by maintaining an optimal order size?

Options:

- 1) ABC Analysis
- 2) Economic Order Quantity (EOQ)
- 3) Just-in-Time (JIT)
- 4) First-In-First-Out (FIFO)

Correct Answer: 2) Economic Order Quantity (EOQ)

Candidate Answer: 2) Economic Order Quantity (EOQ)

QID : 252 - Which sales promotion technique involves offering consumers a reduced price to increase short-term sales and move inventory?

Options:

- 1) Loyalty Programs
- 2) Coupons
- 3) Free Samples
- 4) Contests

Correct Answer: 2) Coupons

Candidate Answer: 2) Coupons

QID : 253 - What is the primary function of commercial banks in the banking and finance service sector?

Options:

- 1) Issuing currency
- 2) Providing long-term investment funds
- 3) Accepting deposits and providing loans
- 4) Regulating the money supply

Correct Answer: 3) Accepting deposits and providing loans

Candidate Answer: 3) Accepting deposits and providing loans

QID : 254 - Which recruitment method involves promoting current employees to higher positions within the organization?

Options:

- 1) External Recruitment
- 2) Campus Recruitment
- 3) Internal Recruitment
- 4) Employee Referrals

Correct Answer: 3) Internal Recruitment

Candidate Answer: 3) Internal Recruitment

QID : 255 - Which evaluation method is typically used to assess a pharmacist's performance by gathering feedback from various sources, including supervisors, peers, and patients?

Options:

- 1) Self-Assessment
- 2) 360-Degree Feedback
- 3) Peer Review
- 4) Objective-Based Assessment

Correct Answer: 2) 360-Degree Feedback

Candidate Answer: 3) Peer Review

QID : 256 - Which of the following compounds is commonly used in dental products to prevent tooth decay by promoting remineralization of enamel?

Options:

- 1) Chlorhexidine
- 2) Fluoride
- 3) Potassium nitrate
- 4) Triclosan

Correct Answer: 2) Fluoride

Candidate Answer: 2) Fluoride

QID : 257 - Which inhalant is primarily used as a bronchodilator in the treatment of asthma?

Options:

- 1) Salbutamol
- 2) Beclomethasone
- 3) Ipratropium
- 4) Cromolyn sodium

Correct Answer: 1) Salbutamol

Candidate Answer: 3) Ipratropium

QID : 258 - Which of the following agents is used as a respiratory stimulant to treat respiratory depression?

Options:

- 1) Naloxone
- 2) Doxapram
- 3) Diazepam
- 4) Propofol

Correct Answer: 2) Doxapram

Candidate Answer: 1) Naloxone

QID : 259 - What is the primary action of expectorants in respiratory therapy?

Options:

- 1) Suppressing cough reflex
- 2) Reducing inflammation
- 3) Increasing the volume and reducing the viscosity of mucus
- 4) Relaxing bronchial muscles

Correct Answer: 3) Increasing the volume and reducing the viscosity of mucus

Candidate Answer: 3) Increasing the volume and reducing the viscosity of mucus

QID : 260 - Which substance is commonly used as an emetic to induce vomiting in cases of poisoning?

Options:

- 1) Activated charcoal
- 2) Ipecac syrup
- 3) Dimenhydrinate
- 4) Ondansetron

Correct Answer: 2) Ipecac syrup

Candidate Answer: 4) Ondansetron

QID : 261 - Which of the following is a type of chemical method of sterilization?

Options:

- 1) Dry heat sterilization
- 2) Moist heat sterilization
- 3) Gaseous sterilization
- 4) Radiation sterilization

Correct Answer: 3) Gaseous sterilization

Candidate Answer: 3) Gaseous sterilization

QID : 262 - Which of the following is/are the method/s for the preparation of eye ointment?

- I. Trituration method
- II. Fusion method

Options:

- 1) Only I
- 2) Only II
- 3) Both I and II
- 4) Neither I nor II

Correct Answer: 3) Both I and II

Candidate Answer: [NOT ANSWERED]

QID : 263 - _____ is the most important constituent of a vanishing cream.

Options:

- 1) Stearic acid
- 2) Beeswax
- 3) Perfume
- 4) Talc

Correct Answer: 1) Stearic acid

Candidate Answer: 2) Beeswax

QID : 264 - Which of the following is an example of inorganic emulsifying agent used for the preparation of emulsions?

Options:

- 1) Acacia
- 2) Magnesium oxide
- 3) Methyl cellulose
- 4) Egg yolk

Correct Answer: 2) Magnesium oxide

Candidate Answer: 4) Egg yolk

QID : 265 - Which of the following is an example of water soluble base used in the preparation of suppositories?

Options:

- 1) Glycero-gelatin
- 2) Theobroma oil
- 3) Hydrogenated oils
- 4) Witepsol

Correct Answer: 1) Glycero-gelatin

Candidate Answer: 1) Glycero-gelatin

QID : 266 - Pyrogen test consists of injecting suitable amounts of the product into the ear vein of _____ and recording their fever response.

Options:

- 1) frog
- 2) mice
- 3) guinea pig
- 4) rabbit

Candidate Answer: 4) rabbit

QID : 267 - Which of the following agent mimicked both the positive inotropic and relaxant effects of adrenaline on the frog ventricle?

Options:

- 1) Cyclic AMP
- 2) Dibutyl cAMP
- 3) Theophylline
- 4) α -receptor agonists

Correct Answer: 3) Theophylline

Candidate Answer: 4) α -receptor agonists

QID : 268 - How strychnine affects the sodium conductance in a frog's Node of Ranvier?

Options:

- 1) It enhances sodium conductance.
- 2) It blocks sodium conductance.
- 3) It has no effect on sodium conductance.
- 4) It slows down sodium conductance.

Correct Answer: 2) It blocks sodium conductance.

Candidate Answer: [NOT ANSWERED]

QID : 269 - Which of the following is/are the test/s for proteins?

- I. Biuret test
- II. Xanthoproteic reaction

Options:

- 1) Only I
- 2) Only II
- 3) Both I and II
- 4) Neither I nor II

Correct Answer: 3) Both I and II

Candidate Answer: 3) Both I and II

QID : 270 - Urine specimen is collected for the diagnosis of _____.

Options:

- 1) intestinal infections
- 2) urinary tract infections
- 3) observation of malarial parasite
- 4) tuberculosis

Correct Answer: 2) urinary tract infections

Candidate Answer: 2) urinary tract infections

QID : 271 - When faeces specimen is collected in the laboratory for examination, then it should be cultured within _____.

Options:

- 1) 2 hours
- 2) 4 hours
- 3) 6 hours
- 4) 8 hours

Correct Answer: 1) 2 hours

Candidate Answer: [NOT ANSWERED]

QID : 272 - Which of the following is an example of fibres generated from carbohydrate materials for making surgical dressings?

Options:

- 1) Jute
- 2) Wool
- 3) Rayon
- 4) Nylon

Correct Answer: 3) Rayon

Candidate Answer: 2) Wool

QID : 273 - What is used for the identification of fixed oils or fats in its chemical test?

Options:

- 1) Tincture alkana
- 2) Sodium hydroxide
- 3) Potassium iodide solution
- 4) Picric acid solution

Correct Answer: 2) Sodium hydroxide

Candidate Answer: 2) Sodium hydroxide

QID : 274 - According to microscopic evaluation, the average number of palisade cells, beneath one epidermal cell, using four continuous epidermal cells for the count known as _____.

Options:

- 1) Palisade ratio
- 2) Stomatal number
- 3) Vein inlet number
- 4) Stomatal index

Correct Answer: 1) Palisade ratio

Candidate Answer: [NOT ANSWERED]

QID : 275 - Which of the following method of sterilization is used to sterilize inoculating loops?

Options:

- 1) Lyophilization
- 2) Filtration
- 3) Desiccation
- 4) Direct flaming

Correct Answer: 4) Direct flaming

Candidate Answer: 1) Lyophilization

QID : 276 - Which of the following roller bandage technique is used for joints like the elbow and knee?

Options:

- 1) Simple spiral
- 2) Spica
- 3) 8-shaped bandage
- 4) Reverse spiral

Correct Answer: 3) 8-shaped bandage

Candidate Answer: 3) 8-shaped bandage

QID : 277 - What is used to disinfect endoscopes, rubber anaesthetic tubes and bronchoscopes?

Options:

- 1) Glutaraldehyde
- 2) Chloroform
- 3) Boric acid
- 4) Ethylene oxide

Correct Answer: 1) Glutaraldehyde

Candidate Answer: 4) Ethylene oxide

QID : 278 - Which enzyme in the digestive system is responsible for breaking down proteins into peptides?

Options:

- 1) Amylase
- 2) Lipase
- 3) Pepsin
- 4) Lactase

Correct Answer: 3) Pepsin

Candidate Answer: 1) Amylase

QID : 279 - Which bone is the longest and strongest bone in the human body?

Options:

- 1) Femur
- 2) Tibia
- 3) Humerus
- 4) Radius

Correct Answer: 1) Femur

Candidate Answer: 1) Femur

QID : 280 - What is the primary function of alveoli in the respiratory system?

Options:

- 1) Transport oxygen in the blood
- 2) Filter particles from the air
- 3) Exchange gases between the air and blood
- 4) Produce surfactant to reduce surface tension

Correct Answer: 3) Exchange gases between the air and blood

Candidate Answer: 3) Exchange gases between the air and blood

QID : 281 - Which solvent is commonly used for solubility determination of organic drugs due to its moderate polarity?

Options:

- 1) Water
- 2) Ethanol
- 3) Hexane
- 4) Acetone

Correct Answer: 2) Ethanol

Candidate Answer: 2) Ethanol

QID : 282 - What is the main purpose of determining the melting point of an organic drug?

Options:

- 1) To assess its solubility
- 2) To identify the presence of functional groups
- 3) To confirm its purity and identity
- 4) To measure its density

Correct Answer: 3) To confirm its purity and identity

Candidate Answer: [NOT ANSWERED]

QID : 283 - In an acid-base titration, which indicator is commonly used for the titration of a strong acid with a strong base? (It turns pink in basic solutions.)

Options:

- 1) Methyl orange
- 2) Phenolphthalein
- 3) Bromothymol blue
- 4) Thymol blue

Correct Answer: 2) Phenolphthalein

Candidate Answer: 1) Methyl orange

QID : 284 - What is the role of barium chloride in the limit test for sulphate?

Options:

- 1) To precipitate sulphate ions
- 2) To oxidize sulphate ions
- 3) To reduce sulphate ions
- 4) To act as an indicator

Correct Answer: 1) To precipitate sulphate ions

Candidate Answer: 1) To precipitate sulphate ions

QID : 285 - Limit test of Arsenic is based on the reaction of arsenic gas with hydrogen ion to form _____ stain on mercuric chloride paper in presence of reducing agents like potassium iodide.

Options:

- 1) red
- 2) black
- 3) yellow
- 4) blue

Correct Answer: 3) yellow

Candidate Answer: [NOT ANSWERED]

QID : 286 - What is the value of $6 \div 3 \times 2 - 8 + 7$?

$6 \div 3 \times 2 - 8 + 7$ ର ମାନ କେତେ?

Options:

- 1) 5
- 2) 3
- 3) 7
- 4) 1

Correct Answer: 2) 3

Candidate Answer: 2) 3

QID : 287 -

What is the Least Common Multiple of $2^5 \times 3^{11} \times 5^4$, $3^{11} \times 2^4 \times 5^3$ and $5^5 \times 2^2 \times 3^3$?

$2^5 \times 3^{11} \times 5^4$, $3^{11} \times 2^4 \times 5^3$ ଓ $5^5 \times 2^2 \times 3^3$ ର ଲଘିଷ୍ଠ ସାଧାରଣ ଗୁଣିତକ (ଲ.ସା.ଗୁ) କେତେ?

Options:

1)

$$2^5 \times 3^{11} \times 5^5$$

2)

$$2^4 \times 3^{10} \times 5^2$$

3)

$$5^{10} \times 3^6 \times 2^2$$

4)

$$2^5 \times 3^7 \times 5^2$$

Correct Answer: 1)

$$2^5 \times 3^{11} \times 5^5$$

Candidate Answer: [NOT ANSWERED]

QID : 288 -

If $x = \sqrt{13 + \sqrt{4 + \sqrt{25}}}$, then what is the value of x^2 ?

ଯଦି $x = \sqrt{13 + \sqrt{4 + \sqrt{25}}}$, ତେବେ x^2 ର ମାନ କେତେ?

Options:

1) 36

2) 9

3) 25

4) 16

Correct Answer: 4) 16

Candidate Answer: [NOT ANSWERED]

QID : 289 -

What is the value of $\sqrt[3]{27} - \sqrt[3]{8} + \sqrt{16} - \sqrt{25}$?

$\sqrt[3]{27} - \sqrt[3]{8} + \sqrt{16} - \sqrt{25}$ ର ମାନ କେତେ?

Options:

- 1) 0
- 2) 1
- 3) -1
- 4) 2

Correct Answer: 1) 0

Candidate Answer: 4) 2

QID : 290 - The radius of a circle is increased by 40%. What will be the percentage increase in its area?

ଯଦି ଏକ ବୃତ୍ତର ବ୍ୟାସାର୍ଦ୍ଧ 40% ବୃଦ୍ଧି କରାଯାଏ, ତେବେ ଏହାର କ୍ଷେତ୍ରଫଳ ଶତକଡ଼ା କେତେ ବୃଦ୍ଧି ହେବ?

Options:

- 1) 96%
- 2) 80%
- 3) 84%
- 4) 82%

Correct Answer: 1) 96%

Candidate Answer: [NOT ANSWERED]

QID : 291 - What will be the simple interest on a principal of Rs. 3000 for 2 years at the rate of 10% per annum?

ଶତକଡ଼ା ବାର୍ଷିକ 10 ହାରରେ ମୂଳଧନ 3000 ଟଙ୍କାର 2 ବର୍ଷର ସରଳ ସୁଧ କେତେ ହେବ?

Options:

- 1) Rs. 750
750 ଟଙ୍କା
- 2) Rs. 680
680 ଟଙ୍କା
- 3) Rs. 600
600 ଟଙ୍କା
- 4) Rs. 500
500 ଟଙ୍କା

Correct Answer: 3) Rs. 600
600 ଟଙ୍କା

Candidate Answer: 3) Rs. 600
600 ଟଙ୍କା

QID : 292 - What is the slope of the line which is perpendicular to the line $2x+3y=6$?

ରେଖାର slope କ'ଣ ଯାହା $2x + 3y = 6$ ରେଖା ସହିତ p ଝୁରେ ଥାଏ?

Options:

- 1) $-2/3$
- 2) $2/3$
- 3) $3/2$
- 4) $-3/2$

Correct Answer: 3) $3/2$

Candidate Answer: [NOT ANSWERED]

QID : 293 - The direction cosines of the line BA joining the points A(1,2,3) and B(0,1,2) are:

ପଏଣ୍ଟ A (1,2,3) ଏବଂ B (0,1,2) ରେ ଯୋଗ କରୁଥିବା ରେଖା BA ର ଦିଗ କୋସାଇନ୍ ଗୁଡ଼ିକ ହେଉଛି:

Options:

- 1) $(-1/\sqrt{3}, 1/\sqrt{3}, 1/\sqrt{3})$
- 2) $(1/\sqrt{3}, 2/\sqrt{3}, 1/\sqrt{3})$
- 3) $(2/\sqrt{3}, 1/\sqrt{3}, 1/\sqrt{3})$
- 4) $(1/\sqrt{3}, 1/\sqrt{3}, 1/\sqrt{3})$

Correct Answer: 4) $(1/\sqrt{3}, 1/\sqrt{3}, 1/\sqrt{3})$

Candidate Answer: [NOT ANSWERED]

QID : 294 - Find the derivative of $\sin x - 8x$ with respect to x .

x ମାଧ୍ୟମରେ $\sin x - 8x$ ର ଡେରିଭେଟିଭ୍ ନିରୂପଣ କର ।

Options:

- 1) $\cos x - 8x$
- 2) $\cos x - 8$
- 3) $\cos x + 8$
- 4) $-\sin x + 8$

Correct Answer: 2) $\cos x - 8$

Candidate Answer: [NOT ANSWERED]

QID : 295 - Find the ratio of second term to third term in the expansion of $(x+2)^5$.

$(x+2)^5$ ର ବିସ୍ତାରରେ ଦ୍ୱିତୀୟ ପଦ ଓ ତୃତୀୟ ପଦର ଅନୁପାତ ନିରୂପଣ କର ।

Options:

- 1) $x/2$
- 2) $4x$
- 3) $x/4$
- 4) $2x$

Correct Answer: 3) $x/4$

Candidate Answer: [NOT ANSWERED]

QID : 296 - Choose the most appropriate meaning of the given idiom/phrase.

Black sheep

Options:

- 1) A person who loves to eat
- 2) A person who is regarded as a disgrace
- 3) A talented person
- 4) A person with no moral obligation

Correct Answer: 2) A person who is regarded as a disgrace

Candidate Answer: 4) A person with no moral obligation

QID : 297 - Choose the most appropriate synonym of the given word.

Cursed

Options:

- 1) Principled
- 2) Hailed
- 3) Condemned
- 4) Aided

Correct Answer: 3) Condemned

Candidate Answer: [NOT ANSWERED]

QID : 298 - The sentence given below is divided and jumbled into four parts. Choose the option that arranges these parts to form a meaningful sentence.

- A. I found myself on the maidan
- B. not having brought Arun's blanket along
- C. the night was a little cold and I regretted
- D. and sat down on a bench with my feet tucked up under my haunches;

Options:

- 1) CADB
- 2) BDCA
- 3) ADCB
- 4) DABC

Correct Answer: 3) ADCB

Candidate Answer: 3) ADCB

QID : 299 - Four sentences are given, out of which three have all correct spellings. Choose the sentence with the incorrect spelt word/ words.

Options:

- 1) This category includes domestic help and other forms of personalized aid.
- 2) Though he had just heard so much to exhilarate him, he was not, on the whole, free from melancholy.
- 3) Lawler is more interested in the more fascinating story of how the chicken spread.
- 4) Molière, the playwright, is said to have been buried on site.

Correct Answer: 4) Molière, the playwright, is said to have been buried on site.

Candidate Answer: [NOT ANSWERED]

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QID : 300 - From the options choose the correct Indirect form for the sentences given below.

'Where are you going?' asked Maria.

'Outside,' said Bruno angrily. 'If it's any of your business.'

Options:

- 1) Maria asked Bruno if he was going outside, to which he angrily replied yes also added it wasn't any of her business.
- 2) Maria asked Bruno where he was going. Bruno angrily replied that he was going outside, adding that it was none of her business.
- 3) Maria angrily asked Bruno where he was going. To which he replied outside.
- 4) Maria asked Bruno where he was going to, Bruno answered back outside, and also asked her to mind her own business.

Correct Answer: 2) Maria asked Bruno where he was going. Bruno angrily replied that he was going outside, adding that it was none of her business.

Candidate Answer: [NOT ANSWERED]

