



Bihar Technical Service Commission

बिहार तकनीकी सेवा आयोग

Roll No	 SCAN ME   Download the App Now 
Participant Name	
Test Center Name	
Test Date	
Test Time	
Post Name	

Section : Domain Knowledge

Q.1 What is a key difference in application between ointments and pastes?

Ans ☒ 1. Pastes are applied only to the skin, while ointments can be applied to both skin and mucous membrane.

☐ 2. Ointments can be applied to the skin and pastes cannot be applied.

☐ 3. Ointments are applied only to the skin, while pastes can be applied to both skin and mucous membrane.

☐ 4. Pastes can be applied to the skin and ointments cannot be applied.

Question Type : MCQ

Question ID : 441009187455

Option 1 ID : 441009740464

Option 2 ID : 441009740461

Option 3 ID : 441009740463

Option 4 ID : 441009740462

Chosen Option : 2

Q.2 What is the preferred location for an outpatient pharmacy in a hospital?

Ans ☐ 1. Near the emergency ward

☐ 2. Inside the inpatient wards

☒ 3. On the ground floor near the hospital entrance

☐ 4. On the top floor near administration

Question Type : MCQ

Question ID : 441009202587

Option 1 ID : 441009797052

Option 2 ID : 441009797054

Option 3 ID : 441009797053

Option 4 ID : 441009797051

Chosen Option : 3

Q.3 The digestive enzyme, bromelain is derived from:

- Ans ☒ 1. ginger
☒ 2. pineapple
☒ 3. papaya
☒ 4. lemon

Question Type : MCQ

Question ID : 441009191860

Option 1 ID : 441009756095

Option 2 ID : 441009756093

Option 3 ID : 441009756094

Option 4 ID : 441009756096

Chosen Option : 2

Q.4 A sieve diameter of 710 μ m corresponds to ____ grade of powder.

- Ans ☒ 1. fine
☒ 2. coarse
☒ 3. moderately coarse
☒ 4. moderately fine

Question Type : MCQ

Question ID : 441009190390

Option 1 ID : 441009750575

Option 2 ID : 441009750573

Option 3 ID : 441009750574

Option 4 ID : 441009750572

Chosen Option : 2

Q.5 What is the usual speed range for laboratory centrifuges?

- Ans ☒ 1. 100–20,000 rpm
☒ 2. 1,000–100,000 rpm
☒ 3. 5–50 rpm
☒ 4. 10–500 rpm

Question Type : MCQ

Question ID : 441009202644

Option 1 ID : 441009797249

Option 2 ID : 441009797250

Option 3 ID : 441009797251

Option 4 ID : 441009797248

Chosen Option : 2

Q.6 What is the primary advantage of centrifugation over spontaneous sedimentation?

Ans ☒ 1. It is cheaper.

☒ 2. It uses more chemicals.

☒ 3. It speeds up the settling process.

☒ 4. It takes months instead of minutes.

Question Type : MCQ

Question ID : 441009187266

Option 1 ID : 441009739916

Option 2 ID : 441009739919

Option 3 ID : 441009739918

Option 4 ID : 441009739917

Chosen Option : 3

Q.7 Probiotics are most commonly found in which food category?

Ans ☒ 1. Fermented milk products

☒ 2. Fried snacks

☒ 3. Dried herbs

☒ 4. Processed meats

Question Type : MCQ

Question ID : 441009203460

Option 1 ID : 441009800364

Option 2 ID : 441009800365

Option 3 ID : 441009800366

Option 4 ID : 441009800363

Chosen Option : 1

Q.8 The sterilisation of catgut is done using gamma radiation from ____.

Ans ☒ 1. cobalt 60

☒ 2. phosphorous 32

☒ 3. iodine 131

☒ 4. cesium 137

Question Type : MCQ

Question ID : 441009186208

Option 1 ID : 441009736130

Option 2 ID : 441009736133

Option 3 ID : 441009736131

Option 4 ID : 441009736132

Chosen Option : --

Q.9 The purpose of conducting a personal interview during recruitment is to gauge:

- Ans ☒ 1. salary expectations
- ☒ 2. writing skills only
- ☒ 3. physical strength only
- ☒ 4. personality, aptitude, motivation and character

Question Type : MCQ

Question ID : 441009181076

Option 1 ID : 441009715673

Option 2 ID : 441009715676

Option 3 ID : 441009715674

Option 4 ID : 441009715675

Chosen Option : 4

Q.10 Thiocyanate toxicity, due to their excretion in the kidney, is produced by:

- Ans ☒ 1. propranolol
- ☒ 2. methyl dopa
- ☒ 3. sodium nitroprusside
- ☒ 4. ethacrynic acid

Question Type : MCQ

Question ID : 441009185204

Option 1 ID : 441009732150

Option 2 ID : 441009732152

Option 3 ID : 441009732151

Option 4 ID : 441009732153

Chosen Option : 3

Q.11 During transcription in eukaryotes, the RNA polymerase participating in the formation of tRNA is:

- Ans ☒ 1. RNA polymerase III
- ☒ 2. RNA polymerase I
- ☒ 3. RNA polymerase IV
- ☒ 4. RNA polymerase II

Question Type : MCQ

Question ID : 441009183978

Option 1 ID : 441009727303

Option 2 ID : 441009727304

Option 3 ID : 441009727305

Option 4 ID : 441009727306

Chosen Option : 3

Q.12 What is a formulary?

- Ans ☒ 1. A pricing guide for pharmaceutical companies
- ☒ 2. A register of medical equipment
- ☒ 3. A book listing recommended medicines approved for use by practitioners
- ☒ 4. A book listing only over-the-counter medications

Question Type : MCQ

Question ID : 441009187158

Option 1 ID : 441009739484

Option 2 ID : 441009739487

Option 3 ID : 441009739486

Option 4 ID : 441009739485

Chosen Option : 3

Q.13 Which of the following enzymes is inhibited by allylamines?

- Ans ☒ 1. Squalene epoxidase
- ☒ 2. Dihydrofolate reductase
- ☒ 3. Lanosterol demethylase
- ☒ 4. Alanine racemase

Question Type : MCQ

Question ID : 441009185161

Option 1 ID : 441009731979

Option 2 ID : 441009731980

Option 3 ID : 441009731978

Option 4 ID : 441009731981

Chosen Option : --

Q.14 What does 'Sig' or signa indicate on a prescription?

- Ans ☒ 1. The patient's signature
- ☒ 2. Physician's license number
- ☒ 3. The pharmacist's directions
- ☒ 4. Directions for taking the medication

Question Type : MCQ

Question ID : 441009187562

Option 1 ID : 441009740738

Option 2 ID : 441009740740

Option 3 ID : 441009740737

Option 4 ID : 441009740739

Chosen Option : 4

Q.15 The strategy in drug pricing where a company sets relatively high price is termed as ____.

- Ans ☒ 1. demand based
☒ 2. economic pricing
☒ 3. price skimming
☒ 4. psychological

Question Type : MCQ

Question ID : 441009201351

Option 1 ID : 441009792555

Option 2 ID : 441009792556

Option 3 ID : 441009792557

Option 4 ID : 441009792558

Chosen Option : 1

Q.16 Which drug among the following is a des sulfamoyl analogue of benzothiazine derivative?

- Ans ☒ 1. hydralazine
☒ 2. diazoxide
☒ 3. guanfacine
☒ 4. minoxidil

Question Type : MCQ

Question ID : 441009185198

Option 1 ID : 441009732127

Option 2 ID : 441009732128

Option 3 ID : 441009732129

Option 4 ID : 441009732126

Chosen Option : 1

Q.17 Which of the following organelles contain powerful digestive enzymes?

- Ans ☒ 1. Mitochondria
☒ 2. Lysosome
☒ 3. Nucleus
☒ 4. Golgi apparatus

Question Type : MCQ

Question ID : 441009176636

Option 1 ID : 441009698453

Option 2 ID : 441009698455

Option 3 ID : 441009698456

Option 4 ID : 441009698454

Chosen Option : 2

Q.18 The protein involved in detoxification process is _____.

- Ans ☒ 1. vasopressin
☒ 2. glutathione
☒ 3. angiotensin
☒ 4. oxytocin

Question Type : MCQ

Question ID : 441009184127

Option 1 ID : 441009727889

Option 2 ID : 441009727888

Option 3 ID : 441009727890

Option 4 ID : 441009727887

Chosen Option : 2

Q.19 Which of the following is a direct acting vasodilator?

- Ans ☒ 1. Terazosin
☒ 2. Minoxidil
☒ 3. Valsartan
☒ 4. Ramipril

Question Type : MCQ

Question ID : 441009192592

Option 1 ID : 441009759002

Option 2 ID : 441009759001

Option 3 ID : 441009759000

Option 4 ID : 441009758999

Chosen Option : 1

Q.20 Which of the following is a characteristic feature of chain pharmacy settings?

- Ans ☒ 1. Greater product selection due to large facilities and buying power
☒ 2. No buying power
☒ 3. Only serves rural areas
☒ 4. Limited product selection

Question Type : MCQ

Question ID : 441009181000

Option 1 ID : 441009715343

Option 2 ID : 441009715342

Option 3 ID : 441009715344

Option 4 ID : 441009715341

Chosen Option : 1

Q.21 What does the Golgi apparatus help in?

Ans ☒ 1. Cell division

☒ 2. Intracellular sorting and packaging of secretory products

☒ 3. DNA transcription

☒ 4. Protein denaturation

Question Type : MCQ

Question ID : 441009202003

Option 1 ID : 441009795127

Option 2 ID : 441009795126

Option 3 ID : 441009795124

Option 4 ID : 441009795125

Chosen Option : 2

Q.22

Which of the following is NOT an evaluation test for semisolid dosage form?

Ans ☒ 1. Penetration test

☒ 2. Weight variation test

☒ 3. Rate release test

☒ 4. Consistency test

Question Type : MCQ

Question ID : 441009190559

Option 1 ID : 441009751150

Option 2 ID : 441009751151

Option 3 ID : 441009751148

Option 4 ID : 441009751149

Chosen Option : 2

Q.23 The preparation that should contain cautionary labels in both the inner and outer labels is:

Ans ☒ 1. hair shampoo

☒ 2. hair conditioner

☒ 3. hair dye

☒ 4. hair revitaliser

Question Type : MCQ

Question ID : 441009189396

Option 1 ID : 441009747040

Option 2 ID : 441009747038

Option 3 ID : 441009747041

Option 4 ID : 441009747039

Chosen Option : 4

Q.24 Alkenes with more than 18 carbon atoms are physically _____.

Ans ☒ 1. semisolids

☒ 2. solids

☒ 3. gases

☒ 4. liquids

Question Type : MCQ

Question ID : 441009185656

Option 1 ID : 441009733921

Option 2 ID : 441009733922

Option 3 ID : 441009733923

Option 4 ID : 441009733920

Chosen Option : 4

Q.25 High energy bond is represented by the ____ symbol.

Ans ☒ 1. ~

☒ 2. ≠

☒ 3. ≈

☒ 4. =

Question Type : MCQ

Question ID : 441009183820

Option 1 ID : 441009726680

Option 2 ID : 441009726682

Option 3 ID : 441009726681

Option 4 ID : 441009726679

Chosen Option : 2

Q.26 How should a pharmacist ensure accuracy while dispensing a prescription?

Ans ☒ 1. By using appropriate scales and measures for accurate weighing and measuring

☒ 2. By estimating the ingredients visually

☒ 3. By relying on prior experience rather than exact measurements

☒ 4. By delegating the task to a non-pharmacist assistant

Question Type : MCQ

Question ID : 441009187215

Option 1 ID : 441009739713

Option 2 ID : 441009739712

Option 3 ID : 441009739714

Option 4 ID : 441009739715

Chosen Option : 1

Q.27 Boric acid is assayed officially by _____.

- Ans ☒ 1. gravimetry
☒ 2. coulometry
☒ 3. voltammetry
☒ 4. titrimetry

Question Type : MCQ

Question ID : 441009185348

Option 1 ID : 441009732708

Option 2 ID : 441009732711

Option 3 ID : 441009732710

Option 4 ID : 441009732709

Chosen Option : 4

Q.28 The profession of pharmacy is undergoing transition from product-oriented to a/an _____ oriented concept.

- Ans ☒ 1. industry
☒ 2. nursing care
☒ 3. patient
☒ 4. physician

Question Type : MCQ

Question ID : 441009200803

Option 1 ID : 441009790475

Option 2 ID : 441009790473

Option 3 ID : 441009790474

Option 4 ID : 441009790472

Chosen Option : 1

Q.29 What principle is used in a cyclone separator for particle separation?

- Ans ☒ 1. Electrostatic attraction
☒ 2. Filtration
☒ 3. Diffusion
☒ 4. Centrifugal force

Question Type : MCQ

Question ID : 441009187311

Option 1 ID : 441009740091

Option 2 ID : 441009740088

Option 3 ID : 441009740090

Option 4 ID : 441009740089

Chosen Option : 4

Q.30 For opening and maintaining a retail drug store, an application in duplicate on Form 19 of the Drugs and Cosmetics Rules, 1945, is required. One copy is for biological drugs and the other is for ____.

- Ans
- ☒ 1. sutures
 - ☒ 2. surgicals
 - ☒ 3. nonbiologicals
 - ☒ 4. medical devices

Question Type : MCQ

Question ID : 441009201637

Option 1 ID : 441009793770

Option 2 ID : 441009793768

Option 3 ID : 441009793769

Option 4 ID : 441009793767

Chosen Option : 4

Q.31 Hard gelatin capsules can encapsulate approximately about _____ of the powdered material in the standard sizes of No. 5 to No. 000.

- Ans
- ☒ 1. 65 mg-1 g
 - ☒ 2. 1.1 g-2 g
 - ☒ 3. 35 mg-64 mg
 - ☒ 4. 1 mg-34 mg

Question Type : MCQ

Question ID : 441009186251

Option 1 ID : 441009736219

Option 2 ID : 441009736218

Option 3 ID : 441009736221

Option 4 ID : 441009736220

Chosen Option : 1

Q.32 What is the primary action of amantadine in antiviral therapy?

- Ans
- ☒ 1. Destroys host cell membranes
 - ☒ 2. Enhances immune cell replication
 - ☒ 3. Increases viral absorption
 - ☒ 4. Inhibits viral penetration and uncoating

Question Type : MCQ

Question ID : 441009202499

Option 1 ID : 441009796798

Option 2 ID : 441009796796

Option 3 ID : 441009796799

Option 4 ID : 441009796797

Chosen Option : 4

Q.33 It is more advisable to achieve medication adherence in clinical pharmacy through _____.

- Ans ☒ 1. fear creation
- ☒ 2. prescriptions
- ☒ 3. supply of advisory labels in local language
- ☒ 4. advertisements

Question Type : MCQ

Question ID : 441009186404

Option 1 ID : 441009736700

Option 2 ID : 441009736698

Option 3 ID : 441009736701

Option 4 ID : 441009736699

Chosen Option : 3

Q.34 Which of the following is an advantage of using a cyclone separator?

- Ans ☒ 1. High pressure drop
- ☒ 2. Noisy operation
- ☒ 3. No moving components
- ☒ 4. Emission of effluent

Question Type : MCQ

Question ID : 441009202763

Option 1 ID : 441009797713

Option 2 ID : 441009797715

Option 3 ID : 441009797716

Option 4 ID : 441009797714

Chosen Option : 4

Q.35 What is the principle of centrifugation?

- Ans ☒ 1. Separation based on colour differences
- ☒ 2. Separation based on molecular shape
- ☒ 3. Separation based on temperature
- ☒ 4. Separation based on density differences

Question Type : MCQ

Question ID : 441009202642

Option 1 ID : 441009797243

Option 2 ID : 441009797242

Option 3 ID : 441009797241

Option 4 ID : 441009797240

Chosen Option : 4

Q.36 What is the primary role of the Food and Drug Administration (FDA)?

- Ans
- ☒ 1. To conduct clinical trials
 - ☒ 2. To regulate hospital management systems
 - ☒ 3. To import and export medical equipment
 - ☒ 4. To ensure the safety, efficacy and security of drugs, food and medical devices

Question Type : MCQ

Question ID : 441009187223

Option 1 ID : 441009739747

Option 2 ID : 441009739745

Option 3 ID : 441009739744

Option 4 ID : 441009739746

Chosen Option : 4

Q.37 The consensus sequence contained in second recognition site in the promoter region of DNA during transcription in prokaryotes is _____

- Ans
- ☒ 1. TAGACA
 - ☒ 2. TATAAT
 - ☒ 3. TATATA
 - ☒ 4. TTGACA

Question Type : MCQ

Question ID : 441009184086

Option 1 ID : 441009727733

Option 2 ID : 441009727732

Option 3 ID : 441009727734

Option 4 ID : 441009727731

Chosen Option : --

Q.38 Form No. 21B is the licence to sell, stock or offer sale or distribute by:

- Ans
- ☒ 1. wholesale drugs specified in Schedule C and C1
 - ☒ 2. retail drugs other than specified in Schedule C and C1
 - ☒ 3. retail drugs specified in Schedule C and C1
 - ☒ 4. wholesale drugs other than specified in Schedule C and C1

Question Type : MCQ

Question ID : 441009200218

Option 1 ID : 441009788152

Option 2 ID : 441009788150

Option 3 ID : 441009788153

Option 4 ID : 441009788151

Chosen Option : --

Q.39 Which type of powder releases carbon dioxide when mixed with water and helps mask bitter taste?

Ans ☒ 1. Effervescent powder

☐ 2. Bulk powder

☐ 3. Medicated powder

☐ 4. Divided powder

Question Type : MCQ

Question ID : 441009187334

Option 1 ID : 441009740157

Option 2 ID : 441009740158

Option 3 ID : 441009740159

Option 4 ID : 441009740156

Chosen Option : 1

Q.40 Which drug is derived from the opium poppy?

Ans ☐ 1. Epoetin alfa

☐ 2. Digoxin

☐ 3. Sulfonamide

☒ 4. Morphine

Question Type : MCQ

Question ID : 441009203520

Option 1 ID : 441009800596

Option 2 ID : 441009800593

Option 3 ID : 441009800595

Option 4 ID : 441009800594

Chosen Option : 4

Q.41 Causality assessment is the method by which the extent of relationship between _____ is estimated.

Ans ☐ 1. gender and suspected reaction

☒ 2. drug and suspected reaction

☐ 3. age and suspected reaction

☐ 4. weight and suspected reaction

Question Type : MCQ

Question ID : 441009186293

Option 1 ID : 441009736382

Option 2 ID : 441009736383

Option 3 ID : 441009736384

Option 4 ID : 441009736385

Chosen Option : 1

Q.42 Which of the following is the primary objective of HACCP?

- Ans ☒ 1. To improve food taste
- ☒ 2. To reduce cost of agricultural production
- ☒ 3. To prevent, eliminate, or reduce food safety hazards to acceptable levels
- ☒ 4. To provide financial support farmers

Question Type : MCQ

Question ID : 441009187619

Option 1 ID : 441009740885

Option 2 ID : 441009740882

Option 3 ID : 441009740884

Option 4 ID : 441009740883

Chosen Option : 3

Q.43 Which energies are generally considered during docking studies?

- Ans ☒ 1. Hydrogen bonding, van der Waals, and Coulombic energies
- ☒ 2. Kinetic, thermal, and magnetic energies
- ☒ 3. Van der Waals, ionic, and thermal energies
- ☒ 4. Van der Waals, electrostatic, and gravitational energies

Question Type : MCQ

Question ID : 441009176754

Option 1 ID : 441009698922

Option 2 ID : 441009698923

Option 3 ID : 441009698921

Option 4 ID : 441009698924

Chosen Option : --

Q.44 In the policies and procedures for ordering controlled substances, the order that should be discouraged is ____.

- Ans ☒ 1. telephone order
- ☒ 2. preparation order
- ☒ 3. Pro Re Nata order
- ☒ 4. online order

Question Type : MCQ

Question ID : 441009188412

Option 1 ID : 441009743523

Option 2 ID : 441009743522

Option 3 ID : 441009743524

Option 4 ID : 441009743525

Chosen Option : 3

Q.45 धावपृथकन (elutriation) में अंतिम वेग निर्धारित करने के लिए निम्न में से किस नियम का उपयोग किया जाता है?

- Ans
- ☒ 1. बॉयल का नियम (Boyle's Law)
 - ☒ 2. आवोगाद्रो का नियम (Avogadro's Law)
 - ☒ 3. स्टोक्स का नियम (Stokes' Law)
 - ☒ 4. न्यूटन का नियम (Newton's Law)

Question Type : MCQ

Question ID : 441009202758

Option 1 ID : 441009797700

Option 2 ID : 441009797701

Option 3 ID : 441009797702

Option 4 ID : 441009797703

Chosen Option : 3

Q.46 Which of the following criteria is INCORRECT for parenteral preparations?

- Ans
- ☒ 1. It should be free from pyrogen.
 - ☒ 2. It should be free of vehicles or any other additives.
 - ☒ 3. It should be free from microorganisms.
 - ☒ 4. It should be free from visible particulate.

Question Type : MCQ

Question ID : 441009190645

Option 1 ID : 441009751463

Option 2 ID : 441009751461

Option 3 ID : 441009751464

Option 4 ID : 441009751462

Chosen Option : 2

Q.47 According to WHO, which of the following is NOT considered foreign matter in medicinal plant materials?

- Ans
- ☒ 1. Animal excreta
 - ☒ 2. Sand
 - ☒ 3. Authentic parts of the medicinal plant
 - ☒ 4. Insects

Question Type : MCQ

Question ID : 441009187629

Option 1 ID : 441009740925

Option 2 ID : 441009740922

Option 3 ID : 441009740924

Option 4 ID : 441009740923

Chosen Option : 3

Q.48 A prescription can be legal only if it is written and signed by a:

Ans ☒ 1. medical practitioner

☐ 2. nurse

☐ 3. pharmacist

☐ 4. physiotherapist

Question Type : MCQ

Question ID : 441009191731

Option 1 ID : 441009755604

Option 2 ID : 441009755606

Option 3 ID : 441009755607

Option 4 ID : 441009755605

Chosen Option : 1

Q.49 Which of the following techniques is commonly used to improve the flow properties of powders?

Ans ☐ 1. Drying

☐ 2. Crystallisation

☒ 3. Granulation

☐ 4. Filtration

Question Type : MCQ

Question ID : 441009187414

Option 1 ID : 441009740366

Option 2 ID : 441009740365

Option 3 ID : 441009740367

Option 4 ID : 441009740368

Chosen Option : 3

Q.50 Catgut is prepared from the ____ of the animal.

Ans ☐ 1. lungs

☐ 2. large intestine

☐ 3. liver

☒ 4. small intestine

Question Type : MCQ

Question ID : 441009186178

Option 1 ID : 441009736014

Option 2 ID : 441009736017

Option 3 ID : 441009736015

Option 4 ID : 441009736016

Chosen Option : 4

Q.51 Select the most appropriate statement regarding the difference between ointments and pastes.

- Ans ☒ 1. Ointments generally contain less concentration of solids than pastes.
- ☒ 2. Ointments are generally stiffer in nature than pastes.
- ☒ 3. Ointments are generally more viscous than pastes.
- ☒ 4. Ointments are generally less greasy in nature than pastes.

Question Type : MCQ

Question ID : 441009187472

Option 1 ID : 441009740493

Option 2 ID : 441009740495

Option 3 ID : 441009740494

Option 4 ID : 441009740496

Chosen Option : 1

Q.52 Which type of filtration involves trapping particles inside the medium, even if they are smaller than the pore size?

- Ans ☒ 1. Depth filtration
- ☒ 2. Cake filtration
- ☒ 3. Surface straining
- ☒ 4. Depth straining

Question Type : MCQ

Question ID : 441009187270

Option 1 ID : 441009739933

Option 2 ID : 441009739935

Option 3 ID : 441009739932

Option 4 ID : 441009739934

Chosen Option : --

Q.53 What is the main advantage of computerising hospital record-keeping?

- Ans ☒ 1. Reduces electricity usage
- ☒ 2. Minimises staff
- ☒ 3. Enhances data retrievability and reduces waiting time
- ☒ 4. Increases physical storage space

Question Type : MCQ

Question ID : 441009187145

Option 1 ID : 441009739432

Option 2 ID : 441009739435

Option 3 ID : 441009739434

Option 4 ID : 441009739433

Chosen Option : 3

Q.54 What are pharmaceutical aerosols?

- Ans ☒ 1. Solutions of drugs in alcohol
- ☒ 2. Cream formulations packed in tubes
- ☒ 3. Suspensions of fine solid or liquid particles in a gas
- ☒ 4. Solid tablets packed in blister packs

Question Type : MCQ

Question ID : 441009187184

Option 1 ID : 441009739590

Option 2 ID : 441009739591

Option 3 ID : 441009739589

Option 4 ID : 441009739588

Chosen Option : 3

Q.55 Metyrosine lowers blood pressure by inhibiting which enzyme?

- Ans ☒ 1. Angiotensin-converting enzyme
- ☒ 2. Tyrosine hydroxylase
- ☒ 3. Adenylate cyclase
- ☒ 4. Monoamine oxidase

Question Type : MCQ

Question ID : 441009202520

Option 1 ID : 441009796852

Option 2 ID : 441009796850

Option 3 ID : 441009796851

Option 4 ID : 441009796853

Chosen Option : --

Q.56 Which of the following is NOT commonly used as a buffer in pharmaceutical preparations?

- Ans ☒ 1. Sodium bicarbonate
- ☒ 2. Tartaric acid
- ☒ 3. Lactic acid
- ☒ 4. Sulphuric acid

Question Type : MCQ

Question ID : 441009202794

Option 1 ID : 441009797815

Option 2 ID : 441009797816

Option 3 ID : 441009797817

Option 4 ID : 441009797818

Chosen Option : 3

Q.57 Generally, polar molecules contain _____.

- Ans ☒ 1. carbanion
☒ 2. dipole
☒ 3. free radical
☒ 4. carbocation

Question Type : MCQ

Question ID : 441009186147

Option 1 ID : 441009735892

Option 2 ID : 441009735893

Option 3 ID : 441009735894

Option 4 ID : 441009735895

Chosen Option : 2

Q.58 What causes the difference in bulk density of light and heavy magnesium carbonate?

- Ans ☒ 1. Amount of impurities
☒ 2. Difference in particle size
☒ 3. Difference in chemical composition
☒ 4. Method of packing

Question Type : MCQ

Question ID : 441009202836

Option 1 ID : 441009797944

Option 2 ID : 441009797943

Option 3 ID : 441009797942

Option 4 ID : 441009797945

Chosen Option : --

Q.59 What is the standard purity requirement for medicinal oxygen as per I.P.?

- Ans ☒ 1. 97% v/v
☒ 2. 99% v/v
☒ 3. 95% v/v
☒ 4. 96% v/v

Question Type : MCQ

Question ID : 441009176767

Option 1 ID : 441009698975

Option 2 ID : 441009698976

Option 3 ID : 441009698973

Option 4 ID : 441009698974

Chosen Option : 1

Q.60 Which compound found in tomatoes has shown potential in reducing prostate cancer risk?

Ans ☒ 1. Beta-carotene

☒ 2. Zeaxanthin

☒ 3. Isoflavone

☒ 4. Lycopene

Question Type : MCQ

Question ID : 441009203455

Option 1 ID : 441009800343

Option 2 ID : 441009800345

Option 3 ID : 441009800346

Option 4 ID : 441009800344

Chosen Option : --

Q.61 Which of the following solvents exerts levelling effect on bases in non-aqueous titrations?

Ans ☒ 1. Nitric acid

☒ 2. Perchloric acid

☒ 3. Sulfonic acid

☒ 4. Acetic acid

Question Type : MCQ

Question ID : 441009185380

Option 1 ID : 441009732842

Option 2 ID : 441009732840

Option 3 ID : 441009732841

Option 4 ID : 441009732843

Chosen Option : --

Q.62 What is the usual goal of drug metabolism in terms of solubility?

Ans ☒ 1. Prevent the drug from entering systemic circulation

☒ 2. Convert polar drugs to non-polar drugs

☒ 3. Enhance the lipid solubility of polar drugs

☒ 4. Convert lipophilic drugs into more polar, excretable products

Question Type : MCQ

Question ID : 441009202532

Option 1 ID : 441009796890

Option 2 ID : 441009796887

Option 3 ID : 441009796889

Option 4 ID : 441009796888

Chosen Option : --

Q.63 In non-flocculated suspensions, how do the particles behave?

- Ans ☒ 1. Aggregate into flocs
- ☒ 2. Exist as separate entities
- ☒ 3. Form sticky clusters
- ☒ 4. Form a network structure

Question Type : MCQ

Question ID : 441009180918

Option 1 ID : 441009715007

Option 2 ID : 441009715006

Option 3 ID : 441009715008

Option 4 ID : 441009715005

Chosen Option : 3

Q.64 What causes the rise of a liquid in a capillary tube?

- Ans ☒ 1. The difference in temperature inside and outside the tube
- ☒ 2. Adhesion between the liquid and the tube wall greater than cohesion between liquid molecules
- ☒ 3. Evaporation from the surface
- ☒ 4. High viscosity

Question Type : MCQ

Question ID : 441009202801

Option 1 ID : 441009797846

Option 2 ID : 441009797845

Option 3 ID : 441009797844

Option 4 ID : 441009797843

Chosen Option : 2

Q.65 What is the main function of the ribosomes?

- Ans ☒ 1. Steroid synthesis
- ☒ 2. DNA replication
- ☒ 3. Protein synthesis
- ☒ 4. Energy production

Question Type : MCQ

Question ID : 441009176631

Option 1 ID : 441009698433

Option 2 ID : 441009698434

Option 3 ID : 441009698435

Option 4 ID : 441009698436

Chosen Option : 3

Q.66 Which layer of the large intestine contains lymph nodules?

- Ans ☒ 1. Serosa
- ☒ 2. Muscular coat
- ☒ 3. Submucosa
- ☒ 4. Mucosa

Question Type : MCQ

Question ID : 441009203518

Option 1 ID : 441009800587

Option 2 ID : 441009800588

Option 3 ID : 441009800586

Option 4 ID : 441009800585

Chosen Option : --

Q.67 The regulatory authority of Australia for regulation of goods such as medicine, medical devices and diagnostic test is:

- Ans ☒ 1. USFDA
- ☒ 2. TGA
- ☒ 3. ASTM
- ☒ 4. BIS

Question Type : MCQ

Question ID : 441009189368

Option 1 ID : 441009746931

Option 2 ID : 441009746930

Option 3 ID : 441009746932

Option 4 ID : 441009746933

Chosen Option : 2

Q.68 What are insufflations?

- Ans ☒ 1. Powders applied using an applicator into body cavities
- ☒ 2. External powders applied for skin infections
- ☒ 3. Solutions for injections
- ☒ 4. Oral powders taken with water

Question Type : MCQ

Question ID : 441009202776

Option 1 ID : 441009797755

Option 2 ID : 441009797757

Option 3 ID : 441009797754

Option 4 ID : 441009797756

Chosen Option : 1

Q.69 What is the main objective of Good Manufacturing Practices (GMP)?

- Ans ☒ 1. To ensure consistent quality and safety of medicinal products
- ☐ 2. To reduce cost of production
- ☐ 3. To improve product packaging designs
- ☐ 4. To increase marketing of products

Question Type : MCQ

Question ID : 441009203465

Option 1 ID : 441009800385

Option 2 ID : 441009800383

Option 3 ID : 441009800386

Option 4 ID : 441009800384

Chosen Option : 1

Q.70 Which of the following organs is the primary route for the excretion of most drugs?

- Ans ☐ 1. Liver
- ☐ 2. Skin
- ☒ 3. Kidney
- ☐ 4. Lungs

Question Type : MCQ

Question ID : 441009187772

Option 1 ID : 441009741392

Option 2 ID : 441009741391

Option 3 ID : 441009741390

Option 4 ID : 441009741389

Chosen Option : 3

Q.71 Halogenation of alkanes is an example of which type of reaction?

- Ans ☐ 1. Nucleophilic substitution
- ☒ 2. Radical substitution
- ☐ 3. Electrophilic addition
- ☐ 4. Elimination

Question Type : MCQ

Question ID : 441009176836

Option 1 ID : 441009699246

Option 2 ID : 441009699247

Option 3 ID : 441009699245

Option 4 ID : 441009699248

Chosen Option : 3

Q.72 A dose-related predictable adverse drug reaction is known as ____.

Ans ☒ 1. Type B

☒ 2. Type D

☒ 3. Type C

☒ 4. Type A

Question Type : MCQ

Question ID : 441009186263

Option 1 ID : 441009736268

Option 2 ID : 441009736267

Option 3 ID : 441009736266

Option 4 ID : 441009736269

Chosen Option : 4

Q.73 What are independent pharmacies?

Ans ☒ 1. Operated and owned by a corporation

☒ 2. Operated and owned by an individual pharmacist

☒ 3. Operated and owned by a government body

☒ 4. Operated and owned by a hospital

Question Type : MCQ

Question ID : 441009180989

Option 1 ID : 441009715289

Option 2 ID : 441009715290

Option 3 ID : 441009715292

Option 4 ID : 441009715291

Chosen Option : 3

Q.74 The haploid number is related to:

Ans ☒ 1. nucleoside

☒ 2. chromosomes

☒ 3. codons

☒ 4. nucleic acid

Question Type : MCQ

Question ID : 441009192237

Option 1 ID : 441009757526

Option 2 ID : 441009757523

Option 3 ID : 441009757524

Option 4 ID : 441009757525

Chosen Option : --

Q.75 What type of powder is intended for inhalation and usually treats asthma or bronchial disorders?

- Ans ☒ 1. Aerosol powder
☐ 2. Cosmetic powder
☐ 3. Dusting powder
☐ 4. Effervescent powder

Question Type : MCQ

Question ID : 441009187342

Option 1 ID : 441009740174

Option 2 ID : 441009740173

Option 3 ID : 441009740175

Option 4 ID : 441009740172

Chosen Option : 1

Q.76 फार्मसी व्यापार में तीव्रस्पर्धा (cut-throat competition) किसे माना जाता है?

- Ans ☒ 1. अन्य फार्मासिस्ट के व्यवसाय को अनैतिक तरीके से हथियाने का प्रयास करना
☐ 2. सरकार द्वारा अनुमोदित विज्ञापन प्रदर्शित करना
☐ 3. ग्राहक को किसी अन्य फार्मसी में भेजना
☐ 4. निःशुल्क स्वास्थ्य सलाह देना

Question Type : MCQ

Question ID : 441009187210

Option 1 ID : 441009739693

Option 2 ID : 441009739695

Option 3 ID : 441009739694

Option 4 ID : 441009739692

Chosen Option : 4

Q.77 The structure nearer to the point of attachment of a limb or origin of a body part is termed as _____.

- Ans ☐ 1. ventral
☒ 2. proximal
☐ 3. dorsal
☐ 4. distal

Question Type : MCQ

Question ID : 441009192263

Option 1 ID : 441009757636

Option 2 ID : 441009757637

Option 3 ID : 441009757638

Option 4 ID : 441009757635

Chosen Option : --

Q.78 What is a powder in pharmaceutical terms?

- Ans ☒ 1. A finely divided particulate material in dry form.
- ☐ 2. A compressed solid drug.
- ☐ 3. A liquid mixture of various chemicals.
- ☐ 4. A suspension of solid particles in a gel.

Question Type : MCQ

Question ID : 441009202771

Option 1 ID : 441009797742

Option 2 ID : 441009797743

Option 3 ID : 441009797741

Option 4 ID : 441009797744

Chosen Option : 1

Q.79 Which of the following drugs is used to reverse heparin overdose?

- Ans ☐ 1. Dabigatran
- ☐ 2. Vitamin K
- ☐ 3. Tranexamic acid
- ☒ 4. Protamine sulphate

Question Type : MCQ

Question ID : 441009187784

Option 1 ID : 441009741440

Option 2 ID : 441009741437

Option 3 ID : 441009741439

Option 4 ID : 441009741438

Chosen Option : 2

Q.80 The coronal plane divides the body into _____.

- Ans ☐ 1. cranial and caudal ends
- ☐ 2. upper and lower halves
- ☒ 3. anterior and posterior halves
- ☐ 4. right and left halves

Question Type : MCQ

Question ID : 441009187729

Option 1 ID : 441009741255

Option 2 ID : 441009741253

Option 3 ID : 441009741252

Option 4 ID : 441009741254

Chosen Option : 2

Q.81 In a first order reaction, the rate is:

- Ans ☒ 1. directly proportional to the concentration of a single reactant
- ☐ 2. constant at all times
- ☐ 3. independent of the concentration
- ☐ 4. proportional to the square of the concentration

Question Type : MCQ

Question ID : 441009202823

Option 1 ID : 441009797891

Option 2 ID : 441009797893

Option 3 ID : 441009797890

Option 4 ID : 441009797892

Chosen Option : --

Q.82 Centrifugation separates components of a mixture based on _____.

- Ans ☒ 1. density and/or particle size
- ☐ 2. particle shape and size
- ☐ 3. temperature and solubility
- ☐ 4. density and viscosity

Question Type : MCQ

Question ID : 441009187242

Option 1 ID : 441009739822

Option 2 ID : 441009739821

Option 3 ID : 441009739823

Option 4 ID : 441009739820

Chosen Option : 1

Q.83 The _____ in concentration of buffer components results in _____ buffer capacity.

- Ans ☐ 1. increase; lesser
- ☐ 2. decrease; greater
- ☒ 3. increase; greater
- ☐ 4. decrease; no effect on

Question Type : MCQ

Question ID : 441009190466

Option 1 ID : 441009750850

Option 2 ID : 441009750849

Option 3 ID : 441009750851

Option 4 ID : 441009750852

Chosen Option : 3

Q.84 Which of the following is a disadvantage of parenteral drug administration?

- Ans ☒ 1. Loss of drug through digestive enzymes
- ☒ 2. Delayed onset of action
- ☒ 3. High first-pass metabolism
- ☒ 4. Pain and risk of infection

Question Type : MCQ

Question ID : 441009187767

Option 1 ID : 441009741370

Option 2 ID : 441009741369

Option 3 ID : 441009741372

Option 4 ID : 441009741371

Chosen Option : 4

Q.85 Which of the following is a mineral-derived drug?

- Ans ☒ 1. Digoxin
- ☒ 2. Morphine
- ☒ 3. Sulfonamide
- ☒ 4. Silver nitrate

Question Type : MCQ

Question ID : 441009203525

Option 1 ID : 441009800613

Option 2 ID : 441009800616

Option 3 ID : 441009800614

Option 4 ID : 441009800615

Chosen Option : 4

Q.86 In ABC items, the most economical items that are generally comprised of drug excipients used for drugs is:

- Ans ☒ 1. class B
- ☒ 2. class B1
- ☒ 3. class A
- ☒ 4. class C

Question Type : MCQ

Question ID : 441009188452

Option 1 ID : 441009743663

Option 2 ID : 441009743666

Option 3 ID : 441009743664

Option 4 ID : 441009743665

Chosen Option : 3

Q.87 The decomposition of nitrogen pentoxide in carbon tetrachloride is an example of a ____ reaction.

- Ans ☒ 1. second order
☒ 2. first order
☒ 3. pseudo order
☒ 4. zero order

Question Type : MCQ

Question ID : 441009190503

Option 1 ID : 441009750970

Option 2 ID : 441009750971

Option 3 ID : 441009750973

Option 4 ID : 441009750972

Chosen Option : --

Q.88 Which quality is essential for a medical representative while interacting with doctors?

- Ans ☒ 1. Polite and precise convincing communication
☒ 2. Aggressive speech
☒ 3. Long presentations
☒ 4. Avoiding eye contact

Question Type : MCQ

Question ID : 441009187121

Option 1 ID : 441009739338

Option 2 ID : 441009739336

Option 3 ID : 441009739337

Option 4 ID : 441009739339

Chosen Option : 1

Q.89 Which of the following is a unit solid dosage form intended for internal use?

- Ans ☒ 1. Tooth powders
☒ 2. Dusting powders
☒ 3. Tablets
☒ 4. Snuffs

Question Type : MCQ

Question ID : 441009187197

Option 1 ID : 441009739643

Option 2 ID : 441009739640

Option 3 ID : 441009739642

Option 4 ID : 441009739641

Chosen Option : 3

Q.90 Creams are semisolid preparations that are generally ____.

- Ans ☒ 1. elixirs
☒ 2. solutions
☒ 3. suspensions
☒ 4. emulsions

Question Type : MCQ

Question ID : 441009190542

Option 1 ID : 441009751103

Option 2 ID : 441009751104

Option 3 ID : 441009751106

Option 4 ID : 441009751105

Chosen Option : 4

Q.91 What is the brand name of a drug also known as?

- Ans ☒ 1. Chemical name
☒ 2. Trade name
☒ 3. Generic name
☒ 4. USAN (United States Adopted Name)

Question Type : MCQ

Question ID : 441009203531

Option 1 ID : 441009800640

Option 2 ID : 441009800638

Option 3 ID : 441009800637

Option 4 ID : 441009800639

Chosen Option : 2

Q.92 The dental preparation that is added to dentifrices to facilitate the mechanical removal of dental plaque is known as a/an ____.

- Ans ☒ 1. abrasive
☒ 2. anticaries
☒ 3. desensitizer
☒ 4. antiseptic

Question Type : MCQ

Question ID : 441009188298

Option 1 ID : 441009743082

Option 2 ID : 441009743083

Option 3 ID : 441009743081

Option 4 ID : 441009743080

Chosen Option : 2

Q.93 What does buffer capacity indicate?

Ans ☒ 1. The effectiveness of a buffer to resist pH changes

☐ 2. The strength of the acid in the buffer

☐ 3. The pH of a buffer solution

☐ 4. The solubility of a drug in the buffer

Question Type : MCQ

Question ID : 441009187350

Option 1 ID : 441009740198

Option 2 ID : 441009740197

Option 3 ID : 441009740196

Option 4 ID : 441009740199

Chosen Option : 1

Q.94 In the HLB system, a higher number indicates that the surfactant is:

Ans ☐ 1. more acidic

☐ 2. more volatile

☒ 3. more hydrophilic

☐ 4. more lipophilic

Question Type : MCQ

Question ID : 441009187405

Option 1 ID : 441009740344

Option 2 ID : 441009740343

Option 3 ID : 441009740342

Option 4 ID : 441009740341

Chosen Option : 4

Q.95 रिटेल फार्मसी की शुरूआत करने के लिए न्यूनतम कितना क्षेत्रफल (वर्ग मीटर में) आवश्यक है?

Ans ☐ 1. 15

☐ 2. 5

☐ 3. 20

☒ 4. 10

Question Type : MCQ

Question ID : 441009180970

Option 1 ID : 441009715219

Option 2 ID : 441009715217

Option 3 ID : 441009715220

Option 4 ID : 441009715218

Chosen Option : 1

Q.96 What is the main purpose of Phase I reactions in drug metabolism?

- Ans ☒ 1. To introduce or unmask polar groups
- ☐ 2. To conjugate drugs with glucuronic acid
- ☐ 3. To directly excrete the drug
- ☐ 4. To bind the drug to plasma proteins

Question Type : MCQ

Question ID : 441009176741

Option 1 ID : 441009698870

Option 2 ID : 441009698871

Option 3 ID : 441009698869

Option 4 ID : 441009698872

Chosen Option : 2

Q.97 What causes polarity in a covalent bond?

- Ans ☒ 1. Difference in electronegativities
- ☐ 2. Equal sharing of electrons
- ☐ 3. Presence of a metallic atom
- ☐ 4. Difference in atomic size

Question Type : MCQ

Question ID : 441009176881

Option 1 ID : 441009699419

Option 2 ID : 441009699417

Option 3 ID : 441009699420

Option 4 ID : 441009699418

Chosen Option : 2

Q.98 Which of the following is NOT a function of surfactants?

- Ans ☒ 1. Solidifying agent
- ☐ 2. Emulsifying agent
- ☐ 3. Detergent
- ☐ 4. Antifoaming agent

Question Type : MCQ

Question ID : 441009187432

Option 1 ID : 441009740407

Option 2 ID : 441009740405

Option 3 ID : 441009740408

Option 4 ID : 441009740406

Chosen Option : 1

Q.99 What is the antidote for atropine (belladonna) poisoning?

- Ans
- ☐ 1. Clonidine
 - ☐ 2. Pralidoxime
 - ☐ 3. Disulfiram
 - ☒ 4. Physostigmine

Question Type : MCQ

Question ID : 441009203541

Option 1 ID : 441009800677

Option 2 ID : 441009800680

Option 3 ID : 441009800679

Option 4 ID : 441009800678

Chosen Option : 4

Q.10 What is the average daily urine output of a healthy adult?
0

- Ans
- ☐ 1. 500 to 800 ml
 - ☐ 2. 3000 to 4500 ml
 - ☐ 3. 2000 to 3000 ml
 - ☒ 4. 800 to 2000 ml

Question Type : MCQ

Question ID : 441009202011

Option 1 ID : 441009795137

Option 2 ID : 441009795140

Option 3 ID : 441009795139

Option 4 ID : 441009795138

Chosen Option : 1