

Q.1 What was the budget allocation for infrastructure spending in India for the financial year 2023-24?

- Ans
- ☐ 1. ₹12 lakh crore
 - ☒ 2. ₹10 lakh crore
 - ☐ 3. ₹5 lakh crore
 - ☐ 4. ₹7.5 lakh crore

Question Type : MCQ
Question ID : 441009103199
Option 1 ID : 441009410882
Option 2 ID : 441009410881
Option 3 ID : 441009410879
Option 4 ID : 441009410880
Status : Not Answered
Chosen Option : --

Q.2 Which process does NOT occur during aerobic respiration in animal cells?

- Ans
- ☐ 1. Krebs cycle
 - ☐ 2. Glycolysis
 - ☐ 3. Electron transport chain
 - ☒ 4. Fermentation

Question Type : MCQ
Question ID : 4410091568620
Option 1 ID : 4410096195769
Option 2 ID : 4410096195768
Option 3 ID : 4410096195767
Option 4 ID : 4410096195766
Status : Answered
Chosen Option : 4

Q.3 Which of the following describes the main difference between simple permanent tissue and complex permanent tissue?

- Ans
- ☒ 1. Simple permanent tissue is made of one type of cell, whereas complex permanent tissue is made of different types of cells.
 - ☐ 2. Simple permanent tissue is always dead, whereas complex permanent tissue is always living.
 - ☐ 3. Simple permanent tissue is present only in leaves, whereas complex permanent tissue is present only in roots.
 - ☐ 4. Simple permanent tissue stores food only, whereas complex permanent tissue performs photosynthesis only.

Question Type : MCQ
Question ID : 4410091559558
Option 1 ID : 4410096160468
Option 2 ID : 4410096160469
Option 3 ID : 4410096160470
Option 4 ID : 4410096160471
Status : Answered
Chosen Option : 1

Q.4 The Donkarayi Power House is located in which of the following states of India?

- Ans
- ☒ 1. Tamil Nadu
 - ☒ 2. Karnataka
 - ☒ 3. Andhra Pradesh
 - ☒ 4. Kerala

Question Type : MCQ
Question ID : 4410091583819
Option 1 ID : 4410096256602
Option 2 ID : 4410096256601
Option 3 ID : 4410096256600
Option 4 ID : 4410096256603
Status : Not Answered
Chosen Option : --

Q.5 Who among the following was a Sanskrit scholar and helped in opening about 35 girls' schools in Bengal?

- Ans
- ☒ 1. Swami Vivekananda
 - ☒ 2. Ishwar Chandra Vidyasagar
 - ☒ 3. Swami Dayanand Saraswati
 - ☒ 4. Raja Ram Mohan Roy

Question Type : MCQ
Question ID : 4410091587099
Option 1 ID : 4410096269303
Option 2 ID : 4410096269301
Option 3 ID : 4410096269302
Option 4 ID : 4410096269300
Status : Answered
Chosen Option : 2

Q.6 Every child inherits an X chromosome from their mother. Which reasoning best explains this biological certainty?

- Ans
- ☒ 1. X inheritance from mother depends on environment.
 - ☒ 2. Mothers pass both X and Y chromosomes.
 - ☒ 3. Mothers selectively pass X or Y chromosomes.
 - ☒ 4. Mothers produce only X-bearing eggs.

Question Type : MCQ
Question ID : 4410091697391
Option 1 ID : 4410096695312
Option 2 ID : 4410096695313
Option 3 ID : 4410096695311
Option 4 ID : 4410096695314
Status : Answered
Chosen Option : 4

Q.7 The power of accommodation of the human eye refers to the ability of the eye to:

- Ans
- ☐ 1. Change the size of the pupil
 - ☐ 2. Change the distance between the retina and lens
 - ☐ 3. Adjust the intensity of light entering the eye
 - ☒ 4. Change the focal length of the eye lens

Question Type : MCQ
Question ID : 4410091633403
Option 1 ID : 4410096451774
Option 2 ID : 4410096451776
Option 3 ID : 4410096451777
Option 4 ID : 4410096451775
Status : Answered
Chosen Option : 1

Q.8 If you need to recover salt from a saltwater solution in a laboratory, which process should you use?

- Ans
- ☐ 1. Decantation
 - ☐ 2. Filtration
 - ☐ 3. Chromatography
 - ☒ 4. Distillation

Question Type : MCQ
Question ID : 4410091569650
Option 1 ID : 4410096199589
Option 2 ID : 4410096199588
Option 3 ID : 4410096199586
Option 4 ID : 4410096199587
Status : Answered
Chosen Option : 4

Q.9 A science project requires a real, inverted image of the same size as the object using a concave mirror. Based on the mirror formula, where should the object be placed relative to the mirror?

- Ans
- ☒ 1. At the center of curvature ($u = 2f$)
 - ☐ 2. Beyond the center of curvature ($u < 2f$)
 - ☐ 3. At the focal point ($u = f$)
 - ☐ 4. Between the pole and the focus ($u > f, u < 0$)

Question Type : MCQ
Question ID : 4410091611900
Option 1 ID : 4410096366441
Option 2 ID : 4410096366442
Option 3 ID : 4410096366439
Option 4 ID : 4410096366440
Status : Answered
Chosen Option : 3

Q.10 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)8169

- Ans
- ☐ 1. EN:HR
 - ☐ 2. CG:FK
 - ☐ 3. RM:UQ
 - ☒ 4. OR:RY

Question Type : MCQ
Question ID : 441009782036
Option 1 ID : 4410093082149
Option 2 ID : 4410093082147
Option 3 ID : 4410093082148
Option 4 ID : 4410093082150
Status : Answered
Chosen Option : 4

Q.11 Which of the following is a key feature of the Right to Information Act?

- Ans
- ☒ 1. Citizens can access government records and decisions
 - ☐ 2. Officials can hide any data
 - ☐ 3. Only MPs can ask for information
 - ☐ 4. Citizens must get court approval to ask questions

Question Type : MCQ
Question ID : 441009293816
Option 1 ID : 4410091142128
Option 2 ID : 4410091142127
Option 3 ID : 4410091142129
Option 4 ID : 4410091142126
Status : Answered
Chosen Option : 1

Q.12 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
3 - 28
5 - 126

- Ans  1. 10 - 100
 2. 4 - 63
 3. 2 - 9
 4. 6 - 36

Question Type : MCQ
Question ID : 441009591343
Option 1 ID : 4410092320487
Option 2 ID : 4410092320485
Option 3 ID : 4410092320486
Option 4 ID : 4410092320488
Status : Answered
Chosen Option : 3

Q.13 If the physical conditions of the Earth's atmosphere suddenly became completely stationary, how would this affect the twinkling of stars?

Ans  1. Stars would change color
 2. Stars would appear larger
 3. Stars would twinkle more rapidly
 4. Stars would stop twinkling

Question Type : MCQ
Question ID : 4410091559369
Option 1 ID : 4410096159818
Option 2 ID : 4410096159817
Option 3 ID : 4410096159815
Option 4 ID : 4410096159816
Status : Answered
Chosen Option : 4

Q.14 Which of the following Indian states is famous for the traditional Warli painting style?

- Ans
- ☐ 1. Rajasthan
 - ☐ 2. Punjab
 - ☒ 3. Maharashtra
 - ☐ 4. Kerala

Question Type : MCQ
Question ID : 4410091573539
Option 1 ID : 4410096214980
Option 2 ID : 4410096214979
Option 3 ID : 4410096214977
Option 4 ID : 4410096214978
Status : Answered
Chosen Option : 1

Q.15 The cleaning action of soap is due to the formation of:

- Ans
- ☐ 1. Glycerol
 - ☐ 2. Precipitates
 - ☐ 3. Hydration shells
 - ☒ 4. Micelles

Question Type : MCQ
Question ID : 441009864055
Option 1 ID : 4410093409325
Option 2 ID : 4410093409327
Option 3 ID : 4410093409326
Option 4 ID : 4410093409324
Status : Answered
Chosen Option : 4

Q.16 Which of the following categories of fundamental rights is NOT correctly matched with their respective articles from the Constitution of India?

- Ans
- ☒ 1. Right to equality : Articles 15–21
 - ☐ 2. Right to freedom of religion : Articles 25–28
 - ☐ 3. Right to freedom : Articles 19–22
 - ☐ 4. Right against exploitation : Articles 23 & 24

Question Type : MCQ
Question ID : 441009189241
Option 1 ID : 441009746422
Option 2 ID : 441009746425
Option 3 ID : 441009746423
Option 4 ID : 441009746424
Status : Answered
Chosen Option : 1

Q.17 In which Indian region were 'guls' or 'kuls' traditionally constructed as diversion channels to carry water from mountain streams for agricultural irrigation?

- Ans
- ☐ 1. Indo-Gangetic Plains
 - ☐ 2. Eastern Coastal Plains
 - ☐ 3. Deccan Plateau
 - ☒ 4. Western Himalayas

Question Type : MCQ
Question ID : 4410091583818
Option 1 ID : 4410096256599
Option 2 ID : 4410096256598
Option 3 ID : 4410096256597
Option 4 ID : 4410096256596
Status : Answered
Chosen Option : 1

Q.18 A student scored 62 marks in theory and 22 marks in practical. The weightages of 7 and 3 are assigned to the theory and the practical components respectively for calculating the final score. The weighted average score of the student is:

- Ans
- ☐ 1. 54
 - ☐ 2. 52
 - ☐ 3. 56
 - ☒ 4. 50

Question Type : MCQ
Question ID : 4410091406942
Option 1 ID : 4410095556872
Option 2 ID : 4410095556871
Option 3 ID : 4410095556873
Option 4 ID : 4410095556870
Status : Not Answered
Chosen Option : --

Q.19 Velamala Simmanna was chosen for Lok Nayak Foundation's (LNF) literary award 2025 for his contributions to the promotion of which language and literature?

- Ans
- ☐ 1. Kannada
 - ☐ 2. Malayalam
 - ☒ 3. Telugu
 - ☐ 4. Tamil

Question Type : MCQ
Question ID : 4410091571217
Option 1 ID : 4410096205900
Option 2 ID : 4410096205902
Option 3 ID : 4410096205899
Option 4 ID : 4410096205901
Status : Not Answered
Chosen Option : --

Q.20 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only
(Left) % E & € F * U \$ O & K \$ U B % M © & W * L % (Right)
How many such symbols are there each of which is immediately preceded by a letter and also immediately followed by a symbol?⁴⁸⁴⁷

- Ans
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 1

Question Type : MCQ
Question ID : 441009790932
Option 1 ID : 4410093117730
Option 2 ID : 4410093117728
Option 3 ID : 4410093117727
Option 4 ID : 4410093117729
Status : Answered
Chosen Option : 4

Q.21 Who was elected as the 15th Vice President of India in September 2025?

- Ans
- ☒ 1. Jagdeep Dhankhar
 - ☒ 2. P Chidambaram
 - ☒ 3. CP Radhakrishnan
 - ☒ 4. B Sudershan Reddy

Question Type : MCQ
Question ID : 4410091583115
Option 1 ID : 4410096253810
Option 2 ID : 4410096253811
Option 3 ID : 4410096253808
Option 4 ID : 4410096253809
Status : Not Answered
Chosen Option : --

Q.22 Which component is used to open or close an electric circuit?

- Ans
- ☒ 1. Electric bulb
 - ☒ 2. Resistor
 - ☒ 3. Ammeter
 - ☒ 4. Switch

Question Type : MCQ
Question ID : 4410091645859
Option 1 ID : 4410096499946
Option 2 ID : 4410096499948
Option 3 ID : 4410096499949
Option 4 ID : 4410096499947
Status : Answered
Chosen Option : 4

Q.23 In a row of people all facing north, Nimat is 29th from the left end. Pemila is 44th from the left end. Pemila is exactly between Nimat and Kishan. If Kishan is 9th from the right end of the row, how many people are there in the row?

- Ans
- ☒ 1. 64
 - ☒ 2. 68
 - ☒ 3. 67
 - ☒ 4. 66

Question Type : MCQ
Question ID : 4410091608430
Option 1 ID : 4410096352632
Option 2 ID : 4410096352635
Option 3 ID : 4410096352633
Option 4 ID : 4410096352634
Status : Answered
Chosen Option : 3

Q.24 The ratio of the heights of a right circular cone and a right circular cylinder is 9 : 2 and the ratio of the radii of their bases is 3 : 2. If the volume of the cylinder is 448 cm³, then the volume (in cm³) of the cone is:

- Ans
- ☒ 1. 1512
 - ☒ 2. 1509
 - ☒ 3. 1519
 - ☒ 4. 1521

Question Type : MCQ
Question ID : 441009272743
Option 1 ID : 4410091059519
Option 2 ID : 4410091059520
Option 3 ID : 4410091059521
Option 4 ID : 4410091059522
Status : Not Answered
Chosen Option : --

Q.25 Sumit travels from A to B at a speed of 40 km/hr in 72 minutes and from B to C at a speed of 50 km/hr in 42 minutes. Find the average speed of Sumit from A to C. (Rounded off your answer to two decimal places)7159

- Ans
- ☒ 1. 42.50 km/h
 - ☒ 2. 45.60 km/h
 - ☒ 3. 45.45 km/h
 - ☒ 4. 43.68 km/h

Question Type : MCQ
Question ID : 441009900472
Option 1 ID : 4410093555958
Option 2 ID : 4410093555961
Option 3 ID : 4410093555960
Option 4 ID : 4410093555959
Status : Answered
Chosen Option : 3

Q.26 Kaveri Vaaman is a variety of which fruit developed by the Bhabha Atomic Research Centre (BARC) as the country's first mutant variety of that fruit, officially released by the Government of India in November 2025?

- Ans
- ☒ 1. Apple
 - ☒ 2. Guava
 - ☒ 3. Banana
 - ☒ 4. Grapes

Question Type : MCQ
Question ID : 4410091571185
Option 1 ID : 4410096205771
Option 2 ID : 4410096205774
Option 3 ID : 4410096205772
Option 4 ID : 4410096205773
Status : Not Answered
Chosen Option : --

Q.27 A book is marked at ₹170 with a 20% discount. What additional percentage discount should be given to reduce the net selling price to ₹102?

- Ans
- ☒ 1. 25%
 - ☒ 2. 30%
 - ☒ 3. 23%
 - ☒ 4. 27%

Question Type : MCQ
Question ID : 441009894464
Option 1 ID : 4410093531926
Option 2 ID : 4410093531929
Option 3 ID : 4410093531927
Option 4 ID : 4410093531928
Status : Not Answered
Chosen Option : --

Q.28 In a certain code language, 'TOUR' is coded as '7542' and 'TURN' is coded as '7485'. What is the code for 'N' in the given code language?

- Ans
- ☒ 1. 8
 - ☒ 2. 5
 - ☒ 3. 7
 - ☒ 4. 4

Question Type : MCQ
Question ID : 441009784577
Option 1 ID : 4410093092311
Option 2 ID : 4410093092314
Option 3 ID : 4410093092312
Option 4 ID : 4410093092313
Status : Answered
Chosen Option : 1

Q.29 Which number must be added to 225 so that the square root of the result is exactly 16?

Ans  1. 31

 2. 16

 3. 19

 4. 25

Question Type : MCQ

Question ID : 4410091655578

Option 1 ID : 4410096537279

Option 2 ID : 4410096537276

Option 3 ID : 4410096537277

Option 4 ID : 4410096537278

Status : Answered

Chosen Option : 1

Q.30 Which of the following statements about soap and its cleaning action is INCORRECT?

Ans  1. The hydrophilic part of a soap molecule interacts with hydrocarbons, while the hydrophobic part is attracted to water.

 2. The hydrophobic part of a soap molecule repels water, aiding in the removal of oily substances.

 3. Soap molecules form micelles that trap oil and grease, allowing them to be dispersed in water and washed away.

 4. Soap molecules have both hydrophilic and hydrophobic ends, allowing them to interact with both water and oil.

Question Type : MCQ

Question ID : 441009647477

Option 1 ID : 4410092543967

Option 2 ID : 4410092543968

Option 3 ID : 4410092543969

Option 4 ID : 4410092543966

Status : Answered

Chosen Option : 1

Section : Professional Ability

Q.1 According to the Bronsted-Lowry concept, which of the following acts as a proton donor?

Ans  1. Hydrochloric acid

 2. Ammonia

 3. Sodium chloride

 4. Water

Question Type : MCQ

Question ID : 4410091557604

Option 1 ID : 4410096152714

Option 2 ID : 4410096152712

Option 3 ID : 4410096152715

Option 4 ID : 4410096152713

Status : Answered

Chosen Option : 1

Q.2 A patient with an exocrine pancreatic deficiency is prescribed pancreatin. Based on the information given, which feature makes pancreatin appropriate for this patient?

- Ans
- ☐ 1. It stimulates insulin secretion from the pancreas.
 - ☒ 2. It provides enzymes (amylase, trypsin, lipase) needed for digestion.
 - ☐ 3. It directly increases appetite through central nervous system stimulation.
 - ☐ 4. It acts as a gastric acid suppressant to reduce stomach acidity.

Question Type : MCQ
Question ID : 4410091701243
Option 1 ID : 4410096710281
Option 2 ID : 4410096710280
Option 3 ID : 4410096710278
Option 4 ID : 4410096710279
Status : Marked For Review
Chosen Option : 1

Q.3 Consumer buying behaviour is referred to which of the following process?

- Ans
- ☐ 1. Storing products for future use
 - ☐ 2. Transporting products to retail stores
 - ☐ 3. Manufacturing products for sale
 - ☒ 4. Selecting, using, or disposing products to satisfy needs and desires

Question Type : MCQ
Question ID : 4410091714836
Option 1 ID : 4410096763258
Option 2 ID : 4410096763261
Option 3 ID : 4410096763260
Option 4 ID : 4410096763259
Status : Answered
Chosen Option : 4

Q.4 What type of mixtures can be effectively separated using a super centrifuge?

- Ans
- ☐ 1. Single-phase liquid systems
 - ☐ 2. Dry powders with different particle sizes
 - ☐ 3. Homogeneous gaseous mixtures
 - ☒ 4. Liquid suspensions containing very fine solid particles

Question Type : MCQ
Question ID : 4410091591323
Option 1 ID : 4410096285702
Option 2 ID : 4410096285701
Option 3 ID : 4410096285700
Option 4 ID : 4410096285699
Status : Answered
Chosen Option : 4

Q.5 What is the primary function of dietary fiber in human digestive system?

- Ans
- ☐ 1. It acts as a vitamin supplement.
 - ☒ 2. It promotes healthy bowel movements.
 - ☐ 3. It increases cholesterol absorption.
 - ☐ 4. It provides energy.

Question Type : MCQ
Question ID : 4410091599660
Option 1 ID : 4410096318410
Option 2 ID : 4410096318408
Option 3 ID : 4410096318409
Option 4 ID : 4410096318407
Status : Answered
Chosen Option : 2

Q.6 Which of the following factors does NOT affect acid strength?

- Ans
- ☐ 1. Electronegativity of the central atom
 - ☐ 2. Bond strength between hydrogen and the rest of the molecule
 - ☐ 3. Resonance stabilization
 - ☒ 4. Concentration of acid

Question Type : MCQ
Question ID : 4410091557608
Option 1 ID : 4410096152728
Option 2 ID : 4410096152730
Option 3 ID : 4410096152731
Option 4 ID : 4410096152729
Status : Answered
Chosen Option : 3

Q.7 What is a major advantage of using non-invasive transmucosal routes such as nasal or rectal for drug administration?

- Ans
- ☐ 1. Reduced drug potency
 - ☐ 2. Increased gastrointestinal irritation
 - ☒ 3. Greater systemic availability
 - ☐ 4. Delayed onset of action

Question Type : MCQ
Question ID : 4410091713672
Option 1 ID : 4410096758765
Option 2 ID : 4410096758767
Option 3 ID : 4410096758764
Option 4 ID : 4410096758766
Status : Answered
Chosen Option : 3

Q.8 Which form of chlorine is most commonly used for disinfecting water supplies and swimming pools?

- Ans ☒ 1. Iodophores
- ☒ 2. Hypochlorites
- ☒ 3. Chloramines
- ☒ 4. Fluorides

Question Type : MCQ
Question ID : 4410091558418
Option 1 ID : 4410096156075
Option 2 ID : 4410096156074
Option 3 ID : 4410096156073
Option 4 ID : 4410096156076
Status : Answered
Chosen Option : 2

Q.9 If an Asava preparation exhibits sour taste and excessive effervescence after fermentation, what is the most likely cause as per Ayurvedic formulation principles?

- Ans ☒ 1. Insufficient addition of sugar
- ☒ 2. Overuse of Dhataki flowers
- ☒ 3. Contamination by unwanted microorganisms
- ☒ 4. Under-fermentation due to low temperature

Question Type : MCQ
Question ID : 4410091696334
Option 1 ID : 4410096691238
Option 2 ID : 4410096691240
Option 3 ID : 4410096691237
Option 4 ID : 4410096691239
Status : Answered
Chosen Option : 3

Q.10 Which factor enhances drug absorption from a rectal suppository?

- Ans ☒ 1. Presence of food in the rectum
- ☒ 2. High gastric acidity
- ☒ 3. Increased local blood flow
- ☒ 4. Thickened skin

Question Type : MCQ
Question ID : 4410091591833
Option 1 ID : 4410096287716
Option 2 ID : 4410096287717
Option 3 ID : 4410096287715
Option 4 ID : 4410096287718
Status : Answered
Chosen Option : 3

Q.11 What is the main physiological consequence of an acute myocardial infarction?

- Ans ☒ 1. Decreased contractility of heart muscle
- ☐ 2. Increased cardiac output
- ☐ 3. Improved electrical conduction
- ☐ 4. Enhanced oxygen delivery

Question Type : MCQ
Question ID : 4410091559792
Option 1 ID : 4410096161409
Option 2 ID : 4410096161408
Option 3 ID : 4410096161411
Option 4 ID : 4410096161410
Status : Answered
Chosen Option : 1

Q.12 What is the primary mechanism of action of Ticlopidine as an antiplatelet drug?

- Ans ☐ 1. It increases platelet production in bone marrow.
- ☐ 2. It stimulates ADP release from platelets.
- ☐ 3. It directly activates thrombin receptors.
- ☒ 4. It blocks P2Y 11 type purinergic receptors on platelets and inhibits ADP-induced aggregation.

Question Type : MCQ
Question ID : 4410091701229
Option 1 ID : 4410096710222
Option 2 ID : 4410096710224
Option 3 ID : 4410096710225
Option 4 ID : 4410096710223
Status : Answered
Chosen Option : 4

Q.13 Which term describes substances that can both donate and accept a proton in acid-base titrations?

- Ans ☐ 1. Protophilic substances
- ☐ 2. Protogenic substances
- ☒ 3. Amphiprotic substances
- ☐ 4. Aprotic substances

Question Type : MCQ
Question ID : 4410091695173
Option 1 ID : 4410096686750
Option 2 ID : 4410096686751
Option 3 ID : 4410096686749
Option 4 ID : 4410096686752
Status : Answered
Chosen Option : 3

Q.14 Which of the following is a common advantage of suspensions as biphasic liquid dosage forms?

- Ans ☒ 1. Can mask the taste of unpleasant drugs
- ☐ 2. Never separate into layers
- ☐ 3. Do not require shaking before use
- ☐ 4. Remain physically stable without agitation

Question Type : MCQ
Question ID : 4410091588764
Option 1 ID : 4410096275724
Option 2 ID : 4410096275727
Option 3 ID : 4410096275726
Option 4 ID : 4410096275725
Status : Answered
Chosen Option : 4

Q.15 Which chemical sterilant is effective against bacterial spores but requires special handling due to toxicity?

- Ans ☐ 1. Cresol
- ☐ 2. Chlorhexidine gluconate
- ☐ 3. Isopropyl alcohol
- ☒ 4. Glutaraldehyde

Question Type : MCQ
Question ID : 4410091559243
Option 1 ID : 4410096159314
Option 2 ID : 4410096159313
Option 3 ID : 4410096159312
Option 4 ID : 4410096159311
Status : Answered
Chosen Option : 4

Q.16 Which statement best describes the action of cyanide in the respiratory chain?

- Ans ☐ 1. Cyanide stimulates the citric acid cycle.
- ☐ 2. Cyanide increases glucose breakdown in glycolysis.
- ☒ 3. Cyanide blocks electron transfer to oxygen, preventing ATP production.
- ☐ 4. Cyanide acts as a substrate for ATP synthase.

Question Type : MCQ
Question ID : 4410091599234
Option 1 ID : 4410096316721
Option 2 ID : 4410096316720
Option 3 ID : 4410096316719
Option 4 ID : 4410096316722
Status : Answered
Chosen Option : 3

Q.17 In an acid-base catalyzed reaction, what is the main function of the acid or base?

- Ans
- ☐ 1. To change the reaction product
 - ☒ 2. To increase the rate of the chemical reaction
 - ☐ 3. To decrease the reaction temperature
 - ☐ 4. To stop the reaction

Question Type : MCQ
Question ID : 4410091599301
Option 1 ID : 4410096316988
Option 2 ID : 4410096316987
Option 3 ID : 4410096316989
Option 4 ID : 4410096316990
Status : Answered
Chosen Option : 2

Q.18 A pharmaceutical company needs to sterilize heat-sensitive plastic syringes. Which chemical method is most suitable?

- Ans
- ☐ 1. Moist heat sterilization
 - ☐ 2. Direct flaming
 - ☐ 3. Autoclaving
 - ☒ 4. Ethylene oxide gas sterilization

Question Type : MCQ
Question ID : 4410091589470
Option 1 ID : 4410096278464
Option 2 ID : 4410096278466
Option 3 ID : 4410096278467
Option 4 ID : 4410096278465
Status : Answered
Chosen Option : 4

Q.19 According to the Code of Pharmaceutical Ethics, what is the ethical stance on using patient testimonials in pharmaceutical advertisements?

- Ans
- ☐ 1. Patient testimonials are mandatory for all new drugs.
 - ☐ 2. Patient testimonials are encouraged if approved by the company.
 - ☐ 3. Patient testimonials can be used only if the patient is a celebrity.
 - ☒ 4. Patient testimonials should not be used as they may mislead the public.

Question Type : MCQ
Question ID : 4410091692408
Option 1 ID : 4410096675727
Option 2 ID : 4410096675725
Option 3 ID : 4410096675726
Option 4 ID : 4410096675724
Status : Answered
Chosen Option : 4

Q.20 What is the common functional group present in both aldehydes and ketones?

Ans ☒ 1. Carbonyl group

☒ 2. Amino group

☒ 3. Carboxyl group

☒ 4. Hydroxyl group

Question Type : MCQ

Question ID : 4410091560387

Option 1 ID : 4410096163683

Option 2 ID : 4410096163685

Option 3 ID : 4410096163684

Option 4 ID : 4410096163682

Status : Answered

Chosen Option : 1

Q.21 Ticagrelor differs from clopidogrel by which mechanism of action?

Ans ☒ 1. Ticagrelor is a reversible P2Y₁₂ inhibitor, while clopidogrel is irreversible

☒ 2. Ticagrelor is a glycoprotein IIb/IIIa antagonist, clopidogrel is not

☒ 3. Ticagrelor increases cAMP, clopidogrel decreases cAMP

☒ 4. Ticagrelor inhibits COX-1, clopidogrel inhibits COX-2

Question Type : MCQ

Question ID : 4410091689205

Option 1 ID : 4410096663246

Option 2 ID : 4410096663248

Option 3 ID : 4410096663249

Option 4 ID : 4410096663247

Status : Not Answered

Chosen Option : --

Q.22 A patient is suspected to have ingested a compound with a carbonyl group that does not react with Fehling's solution. Which of the following is most likely?

Ans ☒ 1. The compound is a ketone

☒ 2. The compound is a carboxylic acid

☒ 3. The compound is an alcohol

☒ 4. The compound is an aldehyde

Question Type : MCQ

Question ID : 4410091599165

Option 1 ID : 4410096316447

Option 2 ID : 4410096316450

Option 3 ID : 4410096316449

Option 4 ID : 4410096316448

Status : Answered

Chosen Option : 1

Q.23 In CRDDS, why should the absorption rate be faster than the release rate from the dosage form?

- Ans
- ☐ 1. To improve taste masking
 - ☐ 2. To enhance packaging
 - ☒ 3. To prevent dose dumping
 - ☐ 4. To increase shelf life

Question Type : MCQ
Question ID : 4410091713854
Option 1 ID : 4410096759493
Option 2 ID : 4410096759495
Option 3 ID : 4410096759492
Option 4 ID : 4410096759494
Status : Answered
Chosen Option : 3

Q.24 In the preparation of Arista, what is the role of keeping the fermentation container in a special room, underground cellar, or heap of paddy?

- Ans
- ☐ 1. To cool down the mixture rapidly
 - ☐ 2. To expose the mixture to sunlight
 - ☒ 3. To maintain a constant temperature during fermentation
 - ☐ 4. To add aroma from surroundings

Question Type : MCQ
Question ID : 4410091702760
Option 1 ID : 4410096716228
Option 2 ID : 4410096716227
Option 3 ID : 4410096716226
Option 4 ID : 4410096716229
Status : Answered
Chosen Option : 3

Q.25 According to ICH guidelines, what is a primary purpose of conducting stability testing (Q1A-Q1F) on herbal drugs?

- Ans
- ☐ 1. To determine the geographical origin of the plant material
 - ☐ 2. To identify traditional uses of the herb
 - ☒ 3. To ensure maintenance of quality and effectiveness throughout the shelf life
 - ☐ 4. To establish manufacturing costs

Question Type : MCQ
Question ID : 4410091702907
Option 1 ID : 4410096716799
Option 2 ID : 4410096716800
Option 3 ID : 4410096716798
Option 4 ID : 4410096716801
Status : Answered
Chosen Option : 3

Q.26 According to the Code of Pharmaceutical Ethics, which of the following is NOT permitted in advertising display materials for medicines by pharmacists?

- Ans
- ☒ 1. Promoting a healthy lifestyle
 - ☒ 2. Using the word 'Cure' in reference to an ailment
 - ☒ 3. Listing the pharmacist's qualifications
 - ☒ 4. Displaying prices of medicines

Question Type : MCQ
Question ID : 4410091702562
Option 1 ID : 4410096715463
Option 2 ID : 4410096715464
Option 3 ID : 4410096715465
Option 4 ID : 4410096715462
Status : Answered
Chosen Option : 2

Q.27 Which type of dietary fibre is primarily responsible for bulking stool and facilitating the quick passage of waste through the elementary canal?

- Ans
- ☒ 1. Simple carbohydrates
 - ☒ 2. Soluble fibre
 - ☒ 3. Dietary fat
 - ☒ 4. Water-insoluble fibre

Question Type : MCQ
Question ID : 4410091703158
Option 1 ID : 4410096717776
Option 2 ID : 4410096717775
Option 3 ID : 4410096717777
Option 4 ID : 4410096717774
Status : Answered
Chosen Option : 4

Q.28 Under ICH guidelines, clinical efficacy evaluation must include which of the following?

- Ans
- ☒ 1. Evidence from well-designed human trials
 - ☒ 2. Labeling information
 - ☒ 3. Results from stability testing only
 - ☒ 4. Only animal study results

Question Type : MCQ
Question ID : 4410091696166
Option 1 ID : 4410096690574
Option 2 ID : 4410096690577
Option 3 ID : 4410096690576
Option 4 ID : 4410096690575
Status : Answered
Chosen Option : 1

Q.29 When dilute hydrochloric acid catalyzes the inversion of sucrose, what is the observed order of the reaction?

- Ans
- ☐ 1. Second order
 - ☐ 2. Third order
 - ☒ 3. First order
 - ☐ 4. Zero order

Question Type : MCQ
Question ID : 4410091714251
Option 1 ID : 4410096760918
Option 2 ID : 4410096760919
Option 3 ID : 4410096760917
Option 4 ID : 4410096760916
Status : Not Answered
Chosen Option : --

Q.30 If a controlled drug delivery system is designed without considering the uniformity of absorption, what is the most likely negative outcome?

- Ans
- ☐ 1. Better taste masking
 - ☐ 2. Improved packaging
 - ☐ 3. Enhanced color stability
 - ☒ 4. Inconsistent drug levels in the body

Question Type : MCQ
Question ID : 4410091713856
Option 1 ID : 4410096759501
Option 2 ID : 4410096759502
Option 3 ID : 4410096759503
Option 4 ID : 4410096759500
Status : Answered
Chosen Option : 4

Q.31 Which colorant is most suitable for use in a syrup intended for children, to improve appearance?

- Ans
- ☐ 1. Metallic powder
 - ☒ 2. Water-soluble food dye
 - ☐ 3. Activated charcoal
 - ☐ 4. Oil-based pigment

Question Type : MCQ
Question ID : 4410091589302
Option 1 ID : 4410096277802
Option 2 ID : 4410096277800
Option 3 ID : 4410096277803
Option 4 ID : 4410096277801
Status : Answered
Chosen Option : 2

Q.32 Which statement best explains why oligomycin inhibits ATP synthesis in mitochondria?

- Ans
- ☐ 1. It inhibits the adenine nucleotide carrier, preventing ADP supply
 - ☐ 2. It binds to cytochrome oxidase and blocks electron transfer
 - ☒ 3. It binds to ATP synthase and blocks proton channels, preventing proton re-entry into the matrix
 - ☐ 4. It reacts with reduced cytochrome to inhibit oxygen binding

Question Type : MCQ
Question ID : 4410091695089
Option 1 ID : 4410096686420
Option 2 ID : 4410096686417
Option 3 ID : 4410096686419
Option 4 ID : 4410096686418
Status : Not Answered
Chosen Option : --

Q.33 To ensure long-term stability of an emulsion, which combination of factors should be prioritized?

- Ans
- ☒ 1. Disperse phase concentration of 40%, storage in cool place, adequate emulsifying agent
 - ☐ 2. Disperse phase concentration below 20%, warm storage, excess emulsifier
 - ☐ 3. Disperse phase concentration above 70%, storage at room temperature, minimal emulsifier
 - ☐ 4. Disperse phase concentration of 55%, storage in sunlight, reduced emulsifier

Question Type : MCQ
Question ID : 4410091702443
Option 1 ID : 4410096714995
Option 2 ID : 4410096714996
Option 3 ID : 4410096714994
Option 4 ID : 4410096714997
Status : Answered
Chosen Option : 1

Q.34 A pharmacist is trying to explain how a drug works in the body. Which branch of pharmacology is most relevant to this explanation?

- Ans
- ☐ 1. Pharmaceutics
 - ☒ 2. Pharmacodynamics
 - ☐ 3. Anatomy
 - ☐ 4. Biochemistry

Question Type : MCQ
Question ID : 4410091557260
Option 1 ID : 4410096151570
Option 2 ID : 4410096151569
Option 3 ID : 4410096151572
Option 4 ID : 4410096151571
Status : Answered
Chosen Option : 2

Q.35 Which risk factor for myocardial infarction cannot be modified?

- Ans
- ☐ 1. Obesity
 - ☐ 2. Smoking
 - ☒ 3. Age
 - ☐ 4. Poor oral hygiene

Question Type : MCQ

Question ID : 4410091555693

Option 1 ID : 4410096145318

Option 2 ID : 4410096145317

Option 3 ID : 4410096145319

Option 4 ID : 4410096145320

Status : Answered

Chosen Option : 4

Q.36 Which of the following illustrates why alphabetical classification of crude drugs may not be ideal for educational purposes?

- Ans
- ☐ 1. It highlights all chemical differences
 - ☐ 2. It only classifies synthetic drugs
 - ☐ 3. It always groups drugs by part used
 - ☒ 4. It fails to teach relationships between drugs of similar sources

Question Type : MCQ

Question ID : 4410091696003

Option 1 ID : 4410096689964

Option 2 ID : 4410096689965

Option 3 ID : 4410096689962

Option 4 ID : 4410096689963

Status : Answered

Chosen Option : 4

Q.37 Which statement best describes the common chemical structure of aminoglycoside antibiotics?

- Ans
- ☐ 1. They are characterized by a single amine group on a benzene ring
 - ☐ 2. They lack any ring structure in their core
 - ☐ 3. They have an unsubstituted cyclohexane ring
 - ☒ 4. They contain a highly substituted 1,3-diaminocyclohexane central ring

Question Type : MCQ

Question ID : 4410091695041

Option 1 ID : 4410096686235

Option 2 ID : 4410096686236

Option 3 ID : 4410096686234

Option 4 ID : 4410096686233

Status : Not Answered

Chosen Option : --

Q.38 An emulsifying agent is used to stabilize an oil-in-water emulsion because of its:

- Ans
- ☐ 1. Strong odor
 - ☐ 2. High sweetness
 - ☐ 3. Bright color
 - ☒ 4. Ability to reduce interfacial tension

Question Type : MCQ
Question ID : 4410091591629
Option 1 ID : 4410096286915
Option 2 ID : 4410096286914
Option 3 ID : 4410096286916
Option 4 ID : 4410096286913
Status : Answered
Chosen Option : 4

Q.39 Which organism produces aminoglycoside antibiotics?

- Ans
- ☐ 1. Yeasts
 - ☐ 2. Fungi
 - ☒ 3. Actinomycetes
 - ☐ 4. Algae

Question Type : MCQ
Question ID : 4410091561110
Option 1 ID : 4410096166616
Option 2 ID : 4410096166615
Option 3 ID : 4410096166614
Option 4 ID : 4410096166617
Status : Answered
Chosen Option : 3

Q.40 According to international guidelines, which qualification phase would you focus on when you want to ensure that equipment performs consistently within defined limits during actual process runs?

- Ans
- ☐ 1. Installation Qualification
 - ☐ 2. Design Qualification
 - ☐ 3. Operational Qualification
 - ☒ 4. Performance Qualification

Question Type : MCQ
Question ID : 4410091557647
Option 1 ID : 4410096152884
Option 2 ID : 4410096152886
Option 3 ID : 4410096152887
Option 4 ID : 4410096152885
Status : Answered
Chosen Option : 3

Q.41 What is a disadvantage of suspensions when compared to solutions?

- Ans
- ☐ 1. Suspensions are never used for insoluble drugs
 - ☐ 2. Suspensions have faster absorption than solutions
 - ☒ 3. Suspensions require shaking before use to ensure uniformity of dose
 - ☐ 4. Suspensions do not require containers

Question Type : MCQ
Question ID : 4410091558186
Option 1 ID : 4410096155095
Option 2 ID : 4410096155097
Option 3 ID : 4410096155096
Option 4 ID : 4410096155094
Status : Answered
Chosen Option : 3

Q.42 If an instrument is being installed in a new lab, which qualification phase should be documented according to the context?

- Ans
- ☐ 1. Design Qualification
 - ☐ 2. Vendor Qualification
 - ☐ 3. Process Validation
 - ☒ 4. Installation Qualification

Question Type : MCQ
Question ID : 4410091558128
Option 1 ID : 4410096154840
Option 2 ID : 4410096154842
Option 3 ID : 4410096154843
Option 4 ID : 4410096154841
Status : Answered
Chosen Option : 1

Q.43 What is the function of a vector in molecular cloning?

- Ans
- ☒ 1. To replicate inserted DNA in a host cell
 - ☐ 2. To cut DNA fragments
 - ☐ 3. To sequence DNA bases
 - ☐ 4. To separate DNA fragments by size

Question Type : MCQ
Question ID : 4410091560034
Option 1 ID : 4410096162251
Option 2 ID : 4410096162250
Option 3 ID : 4410096162253
Option 4 ID : 4410096162252
Status : Answered
Chosen Option : 1

Q.44 Which of the following is a biological factor that can influence the design of a controlled drug delivery system?

- Ans
- ☐ 1. Stirring speed
 - ☐ 2. Packaging material
 - ☐ 3. Tablet hardness
 - ☒ 4. Enzyme activity

Question Type : MCQ
Question ID : 4410091598472
Option 1 ID : 4410096313828
Option 2 ID : 4410096313829
Option 3 ID : 4410096313827
Option 4 ID : 4410096313826
Status : Answered
Chosen Option : 4

Q.45 If an emulsion separates into two layers that cannot be redispersed by shaking, what has likely occurred?

- Ans
- ☒ 1. Cracking
 - ☐ 2. Creaming
 - ☐ 3. Homogenization
 - ☐ 4. Phase inversion

Question Type : MCQ
Question ID : 4410091702428
Option 1 ID : 4410096714939
Option 2 ID : 4410096714938
Option 3 ID : 4410096714941
Option 4 ID : 4410096714940
Status : Answered
Chosen Option : 4

Q.46 Which of the following best describes the main focus of pharmacology as a discipline?

- Ans
- ☐ 1. Study of drug packaging methods
 - ☐ 2. Study of drug compounding techniques
 - ☐ 3. Study of drug pricing strategies
 - ☒ 4. Study of the effects of drugs on living systems

Question Type : MCQ
Question ID : 4410091689116
Option 1 ID : 4410096662908
Option 2 ID : 4410096662907
Option 3 ID : 4410096662909
Option 4 ID : 4410096662906
Status : Answered
Chosen Option : 4

Q.47 How does the construction of a super centrifuge minimize emulsification during separation of two immiscible liquids?

- Ans ☒ 1. By heating the mixture to decrease viscosity.
- ☒ 2. By having a smooth, high-speed rotating bowl and gentle feed entry to reduce turbulence.
- ☒ 3. By using a rough, textured interior surface to break up droplets.
- ☒ 4. By introducing air bubbles to agitate the mixture.

Question Type : MCQ
Question ID : 4410091691704
Option 1 ID : 4410096672961
Option 2 ID : 4410096672958
Option 3 ID : 4410096672959
Option 4 ID : 4410096672960
Status : Answered
Chosen Option : 2

Q.48 Which scenario best illustrates a practical challenge when using alphabetical classification for large pharmacopoeias?

- Ans ☒ 1. Classifying drugs by their pharmacological action
- ☒ 2. Grouping drugs by plant parts
- ☒ 3. Difficulty in locating a drug if its spelling is unknown
- ☒ 4. Assigning drugs by chemical structure

Question Type : MCQ
Question ID : 4410091696002
Option 1 ID : 4410096689961
Option 2 ID : 4410096689958
Option 3 ID : 4410096689959
Option 4 ID : 4410096689960
Status : Answered
Chosen Option : 3

Q.49 A chemist wants to reduce a ketone to an alkane in a basic medium using hydrazine. Which reaction mechanism should they select to achieve this transformation?

- Ans ☒ 1. Wolff-Kishner reduction
- ☒ 2. Clemmensen reduction
- ☒ 3. Witting reaction
- ☒ 4. Cannizzaro reaction

Question Type : MCQ
Question ID : 4410091695217
Option 1 ID : 4410096686917
Option 2 ID : 4410096686918
Option 3 ID : 4410096686919
Option 4 ID : 4410096686920
Status : Not Answered
Chosen Option : --

Q.50 Why is recombinant DNA technology preferred for vaccine development over traditional methods?

- Ans
- ☐ 1. It increases pill size.
 - ☒ 2. It allows precise antigen production.
 - ☐ 3. It reduces tablet bitterness.
 - ☐ 4. It improves drug flavor.

Question Type : MCQ
Question ID : 4410091592000
Option 1 ID : 4410096288370
Option 2 ID : 4410096288367
Option 3 ID : 4410096288368
Option 4 ID : 4410096288369
Status : Answered
Chosen Option : 2

Q.51 Which drug is commonly used to prevent stroke in patients with a history of Transient ischemic attack?

- Ans
- ☐ 1. Digoxin
 - ☐ 2. Atorvastatin
 - ☒ 3. Aspirin
 - ☐ 4. Furosemide

Question Type : MCQ
Question ID : 4410091689219
Option 1 ID : 4410096663304
Option 2 ID : 4410096663303
Option 3 ID : 4410096663302
Option 4 ID : 4410096663305
Status : Answered
Chosen Option : 2

Q.52 What is acid-base catalysis in chemical kinetics?

- Ans
- ☒ 1. Acceleration of reaction by acids or bases
 - ☐ 2. Slowing of reaction by acids or bases
 - ☐ 3. Formation of precipitate by acids or bases
 - ☐ 4. Neutralization of acids and bases

Question Type : MCQ
Question ID : 4410091561468
Option 1 ID : 4410096167998
Option 2 ID : 4410096167999
Option 3 ID : 4410096168001
Option 4 ID : 4410096168000
Status : Answered
Chosen Option : 1

Q.53 A pharmacy wants to attract more customers by putting up posters that claim their products work faster than any other and guarantee a cure for specific illnesses. According to the Code of Pharmaceutical Ethics, what is the main ethical issue with this advertising approach?

- Ans ☒ 1. It contains misleading and exaggerated claims, and uses the word 'Cure'
- ☐ 2. It only advertises prescription medicines
- ☐ 3. It provides too much technical information
- ☐ 4. It fails to mention product prices

Question Type : **MCQ**
Question ID : **4410091702566**
Option 1 ID : **4410096715480**
Option 2 ID : **4410096715481**
Option 3 ID : **4410096715479**
Option 4 ID : **4410096715478**
Status : **Answered**
Chosen Option : **1**

Q.54 Which of the following is not a natural coloring agent used in monophasic liquid dosage forms?

- Ans ☒ 1. Coal-tar
- ☐ 2. Caramel
- ☐ 3. Carotenoids
- ☐ 4. Cochineal

Question Type : **MCQ**
Question ID : **4410091589294**
Option 1 ID : **4410096277771**
Option 2 ID : **4410096277770**
Option 3 ID : **4410096277769**
Option 4 ID : **4410096277768**
Status : **Answered**
Chosen Option : **1**

Q.55 What is the main process involved in the preparation of Asavas and Aristas?

- Ans ☒ 1. Fermentation
- ☐ 2. Sublimation
- ☐ 3. Filtration
- ☐ 4. Distillation

Question Type : **MCQ**
Question ID : **4410091702747**
Option 1 ID : **4410096716179**
Option 2 ID : **4410096716181**
Option 3 ID : **4410096716178**
Option 4 ID : **4410096716180**
Status : **Answered**
Chosen Option : **1**

Q.56 Which statement best describes dietary fibers in plants?

- Ans
- ☐ 1. They are produced by animals.
 - ☐ 2. They are simple sugars used for immediate energy.
 - ☒ 3. They are parts like leaves, stems, fruits, and seeds that cannot be digested or absorbed by the body.
 - ☐ 4. They are nutrients easily absorbed by the body.

Question Type : MCQ
Question ID : 4410091703150
Option 1 ID : 4410096717744
Option 2 ID : 4410096717745
Option 3 ID : 4410096717743
Option 4 ID : 4410096717742
Status : Answered
Chosen Option : 3

Q.57 In subcutaneous administration, which property of the drug does not affect its absorption rate?

- Ans
- ☐ 1. Lipid solubility
 - ☐ 2. Molecular weight
 - ☐ 3. Ionization of the drug
 - ☒ 4. Gastric emptying time

Question Type : MCQ
Question ID : 4410091559624
Option 1 ID : 4410096160720
Option 2 ID : 4410096160723
Option 3 ID : 4410096160722
Option 4 ID : 4410096160721
Status : Answered
Chosen Option : 4

Q.58 Which of the following best describes a consumer in pharmaceutical marketing?

- Ans
- ☐ 1. A wholesaler who buys products to sell to others
 - ☐ 2. A company purchasing products to manufacture other goods
 - ☐ 3. A retailer who stocks products for sale
 - ☒ 4. An individual who buys products for personal use and not for resale

Question Type : MCQ
Question ID : 4410091714835
Option 1 ID : 4410096763254
Option 2 ID : 4410096763256
Option 3 ID : 4410096763257
Option 4 ID : 4410096763255
Status : Answered
Chosen Option : 4

Q.59 Which product is commonly produced using recombinant DNA (rDNA) technology?

- Ans
- ☐ 1. Aspirin
 - ☐ 2. Ibuprofen
 - ☒ 3. Insulin
 - ☐ 4. Vitamin C

Question Type : MCQ
Question ID : 4410091591981
Option 1 ID : 4410096288292
Option 2 ID : 4410096288294
Option 3 ID : 4410096288291
Option 4 ID : 4410096288293
Status : Answered
Chosen Option : 3

Q.60 Which of the following statements best describes a strong acid in acid-base equilibria?

- Ans
- ☐ 1. Does not ionize in water
 - ☒ 2. Completely ionizes in water
 - ☐ 3. Forms a strong conjugate base
 - ☐ 4. Partially ionizes in water

Question Type : MCQ
Question ID : 4410091569372
Option 1 ID : 4410096198486
Option 2 ID : 4410096198484
Option 3 ID : 4410096198487
Option 4 ID : 4410096198485
Status : Not Answered
Chosen Option : --

Q.61 Which dietary fiber, when fermented by colonic bacteria, produces short-chain fatty acids beneficial for gut health?

- Ans
- ☐ 1. Lignin
 - ☐ 2. Chitin
 - ☒ 3. Inulin
 - ☐ 4. Cellulose

Question Type : MCQ
Question ID : 4410091562039
Option 1 ID : 4410096169820
Option 2 ID : 4410096169821
Option 3 ID : 4410096169818
Option 4 ID : 4410096169819
Status : Answered
Chosen Option : 4

Q.62 A pharmacist is using the British Pharmacopoeia to look up drugs. Based on the context, which classification is most likely being used?

- Ans
- ☐ 1. Botanical classification
 - ☒ 2. Alphabetical classification
 - ☐ 3. Therapeutic classification
 - ☐ 4. Pharmacodynamic classification

Question Type : MCQ
Question ID : 4410091561388
Option 1 ID : 4410096167697
Option 2 ID : 4410096167694
Option 3 ID : 4410096167696
Option 4 ID : 4410096167695
Status : Answered
Chosen Option : 2

Q.63 What is the most common cause of acute myocardial infarction?

- Ans
- ☐ 1. Hypertension
 - ☐ 2. Bacterial infection
 - ☐ 3. Viral infection
 - ☒ 4. Atherosclerosis

Question Type : MCQ
Question ID : 4410091557130
Option 1 ID : 4410096151084
Option 2 ID : 4410096151081
Option 3 ID : 4410096151083
Option 4 ID : 4410096151082
Status : Answered
Chosen Option : 4

Q.64 What is the primary mechanism by which phentermine decreases appetite?

- Ans
- ☐ 1. By blocking serotonin receptors
 - ☐ 2. By inhibiting intestinal absorption of fats
 - ☐ 3. By stimulating gastric acid secretion
 - ☒ 4. By increasing norepinephrine and dopamine levels in the brain

Question Type : MCQ
Question ID : 4410091701237
Option 1 ID : 4410096710254
Option 2 ID : 4410096710257
Option 3 ID : 4410096710256
Option 4 ID : 4410096710255
Status : Answered
Chosen Option : 4

Q.65 According to the earlier concept, what taste is characteristic of an acid?

- Ans
- ☐ 1. Sweet
 - ☐ 2. Bitter
 - ☒ 3. Sour
 - ☐ 4. Salty

Question Type : MCQ
Question ID : 4410091560165
Option 1 ID : 4410096162781
Option 2 ID : 4410096162778
Option 3 ID : 4410096162779
Option 4 ID : 4410096162780
Status : Answered
Chosen Option : 3

Q.66 Which of the following best describes the content required in an efficacy dossier under EU guidelines for herbal products?

- Ans
- ☐ 1. Manufacturing site inspection reports
 - ☐ 2. Certificates of analysis only
 - ☒ 3. Clinical data supporting therapeutic claims
 - ☐ 4. Adverse event reporting forms only

Question Type : MCQ
Question ID : 4410091696170
Option 1 ID : 4410096690591
Option 2 ID : 4410096690592
Option 3 ID : 4410096690590
Option 4 ID : 4410096690593
Status : Answered
Chosen Option : 3

Q.67 In acid-base titrations, which indicator would you select for titrating a weak acid with a strong base and why?

- Ans
- ☒ 1. Phenolphthalein, because its endpoint pH matches the equivalence point of the titration.
 - ☐ 2. Methyl orange, because it changes color at pH 4.
 - ☐ 3. Litmus, because it changes color in all types of titrations.
 - ☐ 4. Bromothymol blue, because it changes color at pH 6.

Question Type : MCQ
Question ID : 4410091694759
Option 1 ID : 4410096685109
Option 2 ID : 4410096685110
Option 3 ID : 4410096685112
Option 4 ID : 4410096685111
Status : Answered
Chosen Option : 2

Q.68 Which colorant is commonly used to impart a yellow color to oral liquid preparations?

- Ans
- ☐ 1. Erythrosine
 - ☐ 2. Carmoisine
 - ☒ 3. Sunset yellow
 - ☐ 4. Brilliant blue

Question Type : MCQ
Question ID : 4410091557744
Option 1 ID : 4410096153274
Option 2 ID : 4410096153275
Option 3 ID : 4410096153272
Option 4 ID : 4410096153273
Status : Answered
Chosen Option : 2

Q.69 A manufacturer observes phase separation in an oil-in-water emulsion stored at room temperature. Which formulation adjustment should be considered to address this disadvantage?

- Ans
- ☐ 1. Omitting flavoring agents
 - ☐ 2. Decreasing the drug particle size
 - ☐ 3. Reducing the use of preservatives
 - ☒ 4. Optimizing the concentration of emulsifying agents

Question Type : MCQ
Question ID : 4410091557703
Option 1 ID : 4410096153111
Option 2 ID : 4410096153110
Option 3 ID : 4410096153108
Option 4 ID : 4410096153109
Status : Answered
Chosen Option : 4

Q.70 How does studying consumer behaviour assist drug stores in managing their business?

- Ans
- ☐ 1. By ignoring market trends
 - ☐ 2. By focusing only on wholesale buyers
 - ☐ 3. By increasing advertising costs
 - ☒ 4. By helping to judge demands and calculate expenditure

Question Type : MCQ
Question ID : 4410091714841
Option 1 ID : 4410096763278
Option 2 ID : 4410096763281
Option 3 ID : 4410096763280
Option 4 ID : 4410096763279
Status : Answered
Chosen Option : 4