



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी ई एन नं. - 03/2025 - CEN No. - 03/2025



Registration Number	
Roll Number	
Candidate Name	
Community	SC
Test Centre Name	iON Digital Zone iDZ Ramtekdi 3
Test Date	12/03/2026
Test Time	4:30 PM - 6:00 PM
Post Name	NURSING SUPERINTENDENT
Application Photograph	
Exam Day Photograph	

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.
No marks will be deducted for questions left unanswered

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Q.1 In a scenario where light passes through three different media (air, water, and glass) in sequence, which law helps in predicting the final direction of the light ray?

- Ans
- ☐ 1. Law of gravity
 - ☐ 2. Law of conservation of energy
 - ☐ 3. Law of superposition
 - ☒ 4. Snell's Law

Question Type : MCQ
Question ID : 4410091559544
Option 1 ID : 4410096160420
Option 2 ID : 4410096160418
Option 3 ID : 4410096160421
Option 4 ID : 4410096160419
Status : Answered
Chosen Option : 2

Q.2 A box is pushed with a force of 20 N across a horizontal floor for a distance of 5 m in the direction of the force. What is the work done by the force?

- Ans
- ☐ 1. 25 J
 - ☒ 2. 100 J
 - ☐ 3. 400 J
 - ☐ 4. 50 J

Question Type : MCQ
Question ID : 4410091647750
Option 1 ID : 4410096507261
Option 2 ID : 4410096507263
Option 3 ID : 4410096507264
Option 4 ID : 4410096507262
Status : Answered
Chosen Option : 2

Q.3 Which of the following cities became the capital of British India in the late 18th century?

- Ans
- ☐ 1. Bombay
 - ☐ 2. Madras
 - ☒ 3. Kolkata
 - ☐ 4. Delhi

Question Type : MCQ
Question ID : 4410091574057
Option 1 ID : 4410096251432
Option 2 ID : 4410096251433
Option 3 ID : 4410096251435
Option 4 ID : 4410096251434
Status : Answered
Chosen Option : 1

Q.4 Seven boxes H, I, J, P, Q, R and S are kept one over the other but not necessarily in the same order.
H is kept second from the bottom. Only three boxes are kept between H and S. J is kept at one of the positions below H. Only Q is kept between S and R. P is kept at one of the positions above S.
How many boxes are kept between J and P?

- Ans
- ☐ 1. Four
 - ☐ 2. One
 - ☒ 3. Five
 - ☐ 4. Three

Question Type : MCQ
Question ID : 4410091289810
Option 1 ID : 4410095091152
Option 2 ID : 4410095091150
Option 3 ID : 4410095091153
Option 4 ID : 4410095091151
Status : Answered
Chosen Option : 2

Q.5 Each vowel in the word MANAGER is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

- Ans
- ☐ 1. M
 - ☐ 2. K
 - ☒ 3. F
 - ☐ 4. N

Question Type : MCQ
Question ID : 441009779785
Option 1 ID : 4410093073143
Option 2 ID : 4410093073144
Option 3 ID : 4410093073145
Option 4 ID : 4410093073146
Status : Not Answered
Chosen Option : --

Q.6 In the presence of sunlight, chlorine is added to hydrocarbons in a very fast reaction. Chlorine can replace the hydrogen atoms one by one. It is called a/an _____ reaction.

- Ans
- ☒ 1. addition
 - ☒ 2. replacement
 - ☒ 3. substitution
 - ☒ 4. elimination

Question Type : MCQ
Question ID : 441009647558
Option 1 ID : 4410092544291
Option 2 ID : 4410092544293
Option 3 ID : 4410092544290
Option 4 ID : 4410092544292
Status : Answered
Chosen Option : 1

Q.7 The testes are located in the _____ because sperm formation requires a lower temperature than the normal body temperature.

- Ans
- ☒ 1. scrotum
 - ☒ 2. prostate
 - ☒ 3. bladder
 - ☒ 4. abdomen

Question Type : MCQ
Question ID : 4410091696906
Option 1 ID : 4410096693425
Option 2 ID : 4410096693428
Option 3 ID : 4410096693427
Option 4 ID : 4410096693426
Status : Answered
Chosen Option : 1

Q.8 A company wants to reduce long-term environmental pollution from its packaging materials. Which material should it choose to avoid persistent environmental harm?

- Ans
- ☒ 1. A material that can be decomposed by natural processes
 - ☒ 2. A material that is harmful to the ecosystem
 - ☒ 3. A material that remains unchanged for decades
 - ☒ 4. A material that is inert and does not interact with organisms

Question Type : MCQ
Question ID : 4410091697586
Option 1 ID : 4410096696071
Option 2 ID : 4410096696074
Option 3 ID : 4410096696072
Option 4 ID : 4410096696073
Status : Answered
Chosen Option : 1

Q.9 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster 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.)

- Ans
- ☒ 1. QKGD
 - ☒ 2. VPLI
 - ☒ 3. UOKH
 - ☒ 4. KFAX

Question Type : MCQ
Question ID : 441009784043
Option 1 ID : 4410093090177
Option 2 ID : 4410093090178
Option 3 ID : 4410093090175
Option 4 ID : 4410093090176
Status : Answered
Chosen Option : 4

Q.10 By what percentage has the National Highway (NH) network expanded from 2014 to 2023?

- Ans
- ☒ 1. 60%
 - ☒ 2. 70%
 - ☒ 3. 50%
 - ☒ 4. 40%

Question Type : MCQ
Question ID : 441009103217
Option 1 ID : 441009410961
Option 2 ID : 441009410962
Option 3 ID : 441009410960
Option 4 ID : 441009410959
Status : Not Answered
Chosen Option : --

Q.11 In a division sum, the divisor is 17 times the quotient and 11 times the remainder. If the remainder is 34, what is the dividend?

- Ans
- ☒ 1. 8260
 - ☒ 2. 8265
 - ☒ 3. 8266
 - ☒ 4. 8262

Question Type : MCQ
Question ID : 441009560298
Option 1 ID : 4410092196461
Option 2 ID : 4410092196460
Option 3 ID : 4410092196462
Option 4 ID : 4410092196459
Status : Not Answered
Chosen Option : --

Q.12 A ball of mass 0.5 kg is accelerated at 4 m/s². If a second ball of mass 1 kg is to achieve the same acceleration, what force must be applied to it?

- Ans
- ☒ 1. 4 N
 - ☒ 2. 0.5 N
 - ☒ 3. 2.5 N
 - ☒ 4. 2 N

Question Type : MCQ
Question ID : 4410091640822
Option 1 ID : 4410096480479
Option 2 ID : 4410096480481
Option 3 ID : 4410096480482
Option 4 ID : 4410096480480
Status : Answered
Chosen Option : 1

Q.13 What does the size of an atom mainly depend on?

- Ans
- ☒ 1. Number of isotopes
 - ☒ 2. Number of neutrons
 - ☒ 3. Distance of electrons from the nucleus
 - ☒ 4. Number of protons

Question Type : MCQ
Question ID : 4410091560364
Option 1 ID : 4410096163585
Option 2 ID : 4410096163583
Option 3 ID : 4410096163584
Option 4 ID : 4410096163582
Status : Answered
Chosen Option : 3

Q.14 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.
Among five trees, N, O, R, S and T each having a different height, which tree is the tallest?
(I) O is shorter than only one tree. O is taller than N but shorter than R.
(II) N is taller than T.

- Ans
- ☒ 1. Both statements I and II together are NOT sufficient to answer the question
 - ☒ 2. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question
 - ☒ 3. Data in Statement I alone is sufficient to answer the question while data in statement II is not
 - ☒ 4. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Question Type : MCQ
Question ID : 4410091344135
Option 1 ID : 4410095309239
Option 2 ID : 4410095309238
Option 3 ID : 4410095309236
Option 4 ID : 4410095309237
Status : Answered
Chosen Option : 3

Q.15 Who among the following appoints Municipal Commissioners?

- Ans
- ☒ 1. President of India
 - ☒ 2. Chief Justice of High Court
 - ☒ 3. State Government
 - ☒ 4. Vice-President of India

Question Type : MCQ
Question ID : 441009634315
Option 1 ID : 4410092491406
Option 2 ID : 4410092491405
Option 3 ID : 4410092491403
Option 4 ID : 4410092491404
Status : Answered
Chosen Option : 3

Q.16 A and B can complete a work together in 9 days. If A alone can do it in 12 days, then, B alone can do one-third of the same work in _____days.⁴⁰⁷⁵

- Ans
- ☒ 1. 24
 - ☒ 2. 12
 - ☒ 3. 48
 - ☒ 4. 36

Question Type : MCQ
Question ID : 441009897388
Option 1 ID : 4410093543623
Option 2 ID : 4410093543622
Option 3 ID : 4410093543625
Option 4 ID : 4410093543624
Status : Answered
Chosen Option : 2

Q.17 If a real and inverted image is formed by a convex lens on a screen 20 cm away from the lens, and the object is placed 30 cm from the lens, what is the focal length of the lens according to the lens formula?

- Ans
- ☒ 1. The focal length is 12 cm
 - ☒ 2. The focal length is 10 cm
 - ☒ 3. The focal length is 20 cm
 - ☒ 4. The focal length is 15 cm

Question Type : MCQ
Question ID : 4410091610265
Option 1 ID : 4410096359957
Option 2 ID : 4410096359955
Option 3 ID : 4410096359958
Option 4 ID : 4410096359956
Status : Answered
Chosen Option : 2

Q.18 _____ secured the Ranji Trophy title in 2024-25 after drawing the final against Kerala and winning on the basis of a first-innings lead.

- Ans
- ☒ 1. Mumbai
 - ☒ 2. Vidarbha
 - ☒ 3. Saurashtra
 - ☒ 4. Gujarat

Question Type : MCQ
Question ID : 4410091567953
Option 1 ID : 4410096193105
Option 2 ID : 4410096193102
Option 3 ID : 4410096193104
Option 4 ID : 4410096193103
Status : Answered
Chosen Option : 4

Q.19 The University of London awarded honorary degree of Doctor of Science (Economics) to which Indian on its foundation day in November 2025?

- Ans
- ☒ 1. Azim Premji
 - ☒ 2. Nandan Nilekani
 - ☒ 3. Kumar Mangalam Birla
 - ☒ 4. Gautam Adani

Question Type : MCQ
Question ID : 4410091571214
Option 1 ID : 4410096205887
Option 2 ID : 4410096205890
Option 3 ID : 4410096205889
Option 4 ID : 4410096205888
Status : Not Answered
Chosen Option : --

Q.20 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 - 31
5 - 511323

- Ans
- ☒ 1. 10 - 101
 - ☒ 2. 2 - 11
 - ☒ 3. 9 - 81
 - ☒ 4. 4 - 31

Question Type : MCQ
Question ID : 441009591345
Option 1 ID : 4410092320495
Option 2 ID : 4410092320494
Option 3 ID : 4410092320496
Option 4 ID : 4410092320493
Status : Answered
Chosen Option : 1

Q.21 P sells a Laptop to Q at a loss of 40% and Q sells the laptop to R at a profit of 25%. If R purchased the laptop for ₹8946, then what was the cost price (in ₹) of the laptop for P?2624

Ans ☒ 1. 11928

☒ 2. 12138

☒ 3. 11981

☒ 4. 12122

Question Type : MCQ
Question ID : 441009566198
Option 1 ID : 4410092219912
Option 2 ID : 4410092219913
Option 3 ID : 4410092219915
Option 4 ID : 4410092219914
Status : Answered
Chosen Option : 1

Q.22 Which Fundamental Right explicitly prohibits human trafficking, forced labour, and the employment of children in hazardous occupations?

Ans ☒ 1. Right to Equality

☒ 2. Right to Education

☒ 3. Right against Exploitation

☒ 4. Right to Freedom

Question Type : MCQ
Question ID : 4410091572536
Option 1 ID : 4410096211078
Option 2 ID : 4410096211079
Option 3 ID : 4410096211077
Option 4 ID : 4410096211076
Status : Answered
Chosen Option : 3

Q.23 Which combination will result in a salt and water only?

Ans ☒ 1. Sulfuric acid and potassium hydroxide

☒ 2. Sodium hydroxide and oxygen

☒ 3. Nitric acid and carbon dioxide

☒ 4. Hydrochloric acid and calcium carbonate

Question Type : MCQ
Question ID : 4410091565683
Option 1 ID : 4410096184166
Option 2 ID : 4410096184169
Option 3 ID : 4410096184167
Option 4 ID : 4410096184168
Status : Answered
Chosen Option : 4

Q.24 According to the Indian Mineral Industry at a Glance, Annual Report 2022–23, which Indian state recorded the highest total value of mineral production during the financial year 2022–2023 (excluding atomic and fuel minerals)?

- Ans
- ☐ 1. Rajasthan
 - ☐ 2. Karnataka
 - ☐ 3. Chhattisgarh
 - ☒ 4. Odisha

Question Type : MCQ
Question ID : 4410091590902
Option 1 ID : 4410096284023
Option 2 ID : 4410096284022
Option 3 ID : 4410096284021
Option 4 ID : 4410096284020
Status : Answered
Chosen Option : 2

Q.25 In November 2025, which of the following conferences highlighted India's telecom innovation and 6G vision?

- Ans
- ☐ 1. International Bharat 6G Vision & Future Networks Summit 2025
 - ☐ 2. World Telecommunication Development Conference (WTDC-25)
 - ☐ 3. Global Cyber Security Summit 2025
 - ☒ 4. Emerging Science, Technology and Innovation Conclave (ESTIC) 2025

Question Type : MCQ
Question ID : 4410091583006
Option 1 ID : 4410096253377
Option 2 ID : 4410096253378
Option 3 ID : 4410096253379
Option 4 ID : 4410096253376
Status : Answered
Chosen Option : 2

Q.26 Given that $M : N = 5 : 4$ & $N : P = 4 : 7$. If the difference between P and M is 11, find N.

- Ans
- ☐ 1. 44
 - ☒ 2. 22
 - ☐ 3. 11
 - ☐ 4. 66

Question Type : MCQ
Question ID : 4410091583151
Option 1 ID : 4410096253954
Option 2 ID : 4410096253953
Option 3 ID : 4410096253952
Option 4 ID : 4410096253955
Status : Answered
Chosen Option : 2

Q.27 Which of the following government initiatives is specifically aimed at the conservation and protection of wildlife in India through habitat preservation and species-focused management?

- Ans ☒ 1. Project Tiger
- ☐ 2. Operation Flood
- ☐ 3. Swachh Bharat Mission
- ☐ 4. Pradhan Mantri Gram Sadak Yojana

Question Type : MCQ
Question ID : 4410091561860
Option 1 ID : 4410096169218
Option 2 ID : 4410096169220
Option 3 ID : 4410096169221
Option 4 ID : 4410096169219
Status : Answered
Chosen Option : 1

Q.28 Which institute secured the top position in the NIRF Rankings 2025 for the seventh consecutive year?

- Ans ☐ 1. Indian Institute of Technology Delhi
- ☐ 2. Indian Institute of Science Bengaluru
- ☒ 3. Indian Institute of Technology Madras
- ☐ 4. Indian Institute of Technology Bombay

Question Type : MCQ
Question ID : 4410091583109
Option 1 ID : 4410096253787
Option 2 ID : 4410096253785
Option 3 ID : 4410096253784
Option 4 ID : 4410096253786
Status : Answered
Chosen Option : 3

Q.29 During anaerobic respiration in yeast, pyruvate is converted into which of the following substances?

- Ans ☐ 1. Glucose and oxygen
- ☐ 2. Carbon dioxide and water
- ☒ 3. Ethanol and carbon dioxide
- ☐ 4. Lactic acid and water

Question Type : MCQ
Question ID : 4410091560842
Option 1 ID : 4410096165564
Option 2 ID : 4410096165565
Option 3 ID : 4410096165563
Option 4 ID : 4410096165562
Status : Answered
Chosen Option : 4

Q.30 If the volume of a cube is $27,000\text{ m}^3$, then find the total surface area of the cube in m^2 .

- Ans
- ☐ 1. 5351
 - ☐ 2. 5438
 - ☒ 3. 5400
 - ☐ 4. 5403

Question Type : MCQ
Question ID : 441009272735
Option 1 ID : 4410091059490
Option 2 ID : 4410091059489
Option 3 ID : 4410091059487
Option 4 ID : 4410091059488
Status : Answered
Chosen Option : 3

Section : Professional Ability

Q.1 To increase the effectiveness of the teaching-learning process in the ward among patients, the nurse should:

- Ans
- ☐ 1. Ignore patient's concerns
 - ☐ 2. Give as much information as he/she can in a short span of time
 - ☐ 3. Rely exclusively on written materials or media
 - ☒ 4. Focus on active learning involving the patient

Question Type : MCQ
Question ID : 4410091564029
Option 1 ID : 4410096177713
Option 2 ID : 4410096177714
Option 3 ID : 4410096177716
Option 4 ID : 4410096177715
Status : Answered
Chosen Option : 2

Q.2 Which two factors can influence an individual's nutritional status according to the context of physiological and psychological aspects?

- Ans
- ☒ 1. Digestion efficiency and emotional state
 - ☐ 2. Food cost and climate
 - ☐ 3. Physical activity and geography
 - ☐ 4. Appetite changes and cultural beliefs

Question Type : MCQ
Question ID : 4410091558538
Option 1 ID : 4410096156546
Option 2 ID : 4410096156547
Option 3 ID : 4410096156548
Option 4 ID : 4410096156545
Status : Answered
Chosen Option : 1

Q.3 Which of the following organs play(s) the primary role in maintaining fluid and electrolyte balance in the human body?

- Ans
- ☐ 1. Stomach
 - ☒ 2. Kidneys
 - ☐ 3. Lungs
 - ☐ 4. Liver

Question Type : MCQ
Question ID : 4410091554083
Option 1 ID : 4410096138992
Option 2 ID : 4410096138991
Option 3 ID : 4410096138993
Option 4 ID : 4410096138990
Status : Answered
Chosen Option : 2

Q.4 What is the main mechanism of action for immunotherapy in treating allergic diseases?

- Ans
- ☐ 1. Suppressing only the symptoms of allergy
 - ☐ 2. Destroying allergens in the bloodstream
 - ☐ 3. Stimulating histamine production
 - ☒ 4. Desensitizing the immune response to specific allergens

Question Type : MCQ
Question ID : 4410091583673
Option 1 ID : 4410096256018
Option 2 ID : 4410096256017
Option 3 ID : 4410096256019
Option 4 ID : 4410096256016
Status : Answered
Chosen Option : 4

Q.5 A nurse is tasked with teaching newly diagnosed hypertensive patients about medication adherence. What approach reflects effective teaching responsibility?

- Ans
- ☐ 1. Handing out medication charts to every patient
 - ☐ 2. Reading the medication instructions aloud to patients
 - ☒ 3. Evaluating patient ability to explain their medication plan
 - ☐ 4. Telling patients to follow instructions at home

Question Type : MCQ
Question ID : 4410091697782
Option 1 ID : 4410096696835
Option 2 ID : 4410096696833
Option 3 ID : 4410096696834
Option 4 ID : 4410096696836
Status : Answered
Chosen Option : 3

Q.6 A 34-year-old multiparous woman in labor develops sudden, severe postpartum hemorrhage unresponsive to uterine massage and oxytocin. Examination reveals a soft, boggy uterus. What is the next best step in management?

- Ans
- ☐ 1. Manual removal of placenta
 - ☐ 2. Start blood transfusion
 - ☒ 3. Administer uterotonic agents
 - ☐ 4. Immediate surgical intervention

Question Type : MCQ
Question ID : 4410091591344
Option 1 ID : 4410096285783
Option 2 ID : 4410096285786
Option 3 ID : 4410096285785
Option 4 ID : 4410096285784
Status : Answered
Chosen Option : 2

Q.7 Which of the following is NOT a sign of true labour?

- Ans
- ☐ 1. Regular contractions
 - ☒ 2. Irregular contractions that subside with rest
 - ☐ 3. Progressive cervical dilation
 - ☐ 4. Increasing contraction intensity

Question Type : MCQ
Question ID : 4410091591270
Option 1 ID : 4410096285488
Option 2 ID : 4410096285490
Option 3 ID : 4410096285487
Option 4 ID : 4410096285489
Status : Answered
Chosen Option : 2

Q.8 A new policy mandates the introduction of advanced wound care products in the ward. To integrate this change into the budget, which process should the nurse administrator prioritize?

- Ans ☒ 1. Evaluate product costs and revise expenditure forecasts
- ☐ 2. Eliminate other essential items to offset new costs
- ☐ 3. Ignore the policy until next year's budget cycle
- ☐ 4. Distribute existing budget equally among all supplies

Question Type : MCQ
Question ID : 4410091697676
Option 1 ID : 4410096696416
Option 2 ID : 4410096696417
Option 3 ID : 4410096696418
Option 4 ID : 4410096696415
Status : Answered
Chosen Option : 1

Q.9 Which of the following is the most appropriate method for disposing of microbiologically contaminated sharps in a clinical laboratory setting?

- Ans ☐ 1. Chemical disinfection followed by general disposal
- ☒ 2. Placing in puncture-resistant biohazard containers for incineration
- ☐ 3. Autoclaving and disposing in regular trash
- ☐ 4. Disposing directly in regular trash

Question Type : MCQ
Question ID : 4410091591199
Option 1 ID : 4410096285207
Option 2 ID : 4410096285204
Option 3 ID : 4410096285205
Option 4 ID : 4410096285206
Status : Answered
Chosen Option : 2

Q.10 Which of the following is the most appropriate position for a child during a rectal suppository administration?

- Ans ☐ 1. Prone
- ☐ 2. Supine
- ☒ 3. Sims'
- ☐ 4. Sitting

Question Type : MCQ
Question ID : 4410091576054
Option 1 ID : 4410096225004
Option 2 ID : 4410096225002
Option 3 ID : 4410096225003
Option 4 ID : 4410096225005
Status : Answered
Chosen Option : 3

Q.11 A healthy newborn is found with mild jaundice 24 hours after birth. What is the best initial nursing action?

- Ans
- ☒ 1. Stop breastfeeding and notify the physician
 - ☒ 2. Continue regular feeding and monitor the jaundice.
 - ☒ 3. Start phototherapy immediately
 - ☒ 4. Administer intravenous fluids

Question Type : MCQ
Question ID : 4410091591289
Option 1 ID : 4410096285563
Option 2 ID : 4410096285564
Option 3 ID : 4410096285565
Option 4 ID : 4410096285566
Status : Answered
Chosen Option : 2

Q.12 Mutual interaction of individuals and we feeling are the elements of:

- Ans
- ☒ 1. Individual
 - ☒ 2. Personality
 - ☒ 3. Society
 - ☒ 4. Leader

Question Type : MCQ
Question ID : 4410091563911
Option 1 ID : 4410096177234
Option 2 ID : 4410096177236
Option 3 ID : 4410096177233
Option 4 ID : 4410096177235
Status : Answered
Chosen Option : 4

Q.13 A pregnant woman complains of heartburn during her third trimester. Which combination of management strategies is most appropriate for this minor disorder?

- Ans
- ☒ 1. Skipping dinner and increasing caffeine intake
 - ☒ 2. Drinking carbonated beverages with meals
 - ☒ 3. Consuming small frequent meals and avoiding spicy foods
 - ☒ 4. Eating large meals and lying down immediately

Question Type : MCQ
Question ID : 4410091558387
Option 1 ID : 4410096155952
Option 2 ID : 4410096155951
Option 3 ID : 4410096155950
Option 4 ID : 4410096155949
Status : Answered
Chosen Option : 3

Q.14 What is the primary advantage of using models as audio-visual aids in health education?

- Ans
- ☒ 1. They do not require electricity
 - ☒ 2. They are easily disposable
 - ☒ 3. They stimulate the sense of touch and sight
 - ☒ 4. They are only used for children

Question Type : MCQ
Question ID : 4410091573014
Option 1 ID : 4410096212885
Option 2 ID : 4410096212883
Option 3 ID : 4410096212884
Option 4 ID : 4410096212886
Status : Answered
Chosen Option : 3

Q.15 A nurse is educating a group of patients about diabetes management but notices that several participants are distracted due to background noises in the ward. Which barrier of communication is affecting the session?

- Ans
- ☒ 1. Environmental barrier
 - ☒ 2. Semantic barrier
 - ☒ 3. Psychological barrier
 - ☒ 4. Physical barrier

Question Type : MCQ
Question ID : 4410091557505
Option 1 ID : 4410096152320
Option 2 ID : 4410096152319
Option 3 ID : 4410096152318
Option 4 ID : 4410096152317
Status : Answered
Chosen Option : 1

Q.16 Bachmann's bundle is often considered an extension of which of the following, and what is its primary function?

- Ans
- ☒ 1. Middle internodal tract; slowing impulse conduction to the AV node
 - ☒ 2. Anterior internodal tract; activating the left atrium
 - ☒ 3. Posterior internodal tract; initiating SA node impulses
 - ☒ 4. Atrioventricular (AV) bundle; ventricular depolarization

Question Type : MCQ
Question ID : 4410091695075
Option 1 ID : 4410096686363
Option 2 ID : 4410096686362
Option 3 ID : 4410096686361
Option 4 ID : 4410096686364
Status : Answered
Chosen Option : 4

Q.17 A nurse is evaluating elimination needs of a patient with a newly established colostomy. Which action demonstrates best practice for promoting self-care?

- Ans
- ☒ 1. Performing all ostomy care for the patient
 - ☒ 2. Encouraging the patient to observe and participate in ostomy care
 - ☒ 3. Avoiding discussion of ostomy management
 - ☒ 4. Limiting patient involvement to prevent anxiety

Question Type : MCQ
Question ID : 4410091570891
Option 1 ID : 4410096204542
Option 2 ID : 4410096204543
Option 3 ID : 4410096204544
Option 4 ID : 4410096204545
Status : Answered
Chosen Option : 2

Q.18 A doctor treats both physical symptoms and emotional stress in a patient, believing that the mind and body affect each other. Which theory does this approach best reflect?

- Ans
- ☒ 1. Dualism
 - ☒ 2. Eliminative Materialism
 - ☒ 3. Materialism
 - ☒ 4. Behaviorism

Question Type : MCQ
Question ID : 4410091695152
Option 1 ID : 4410096686667
Option 2 ID : 4410096686668
Option 3 ID : 4410096686666
Option 4 ID : 4410096686665
Status : Answered
Chosen Option : 4

Q.19 After a stroke, a patient has difficulty comprehending speech but retains the ability to speak fluently, though the words lack meaning. Which brain region is most likely damaged?

- Ans
- ☒ 1. Broca's area in the frontal lobe is affected
 - ☒ 2. Somatosensory cortex in the parietal lobe is affected
 - ☒ 3. Visual cortex in the occipital lobe is affected
 - ☒ 4. Wernicke's area in the left temporal lobe is affected

Question Type : MCQ
Question ID : 4410091695119
Option 1 ID : 4410096686530
Option 2 ID : 4410096686531
Option 3 ID : 4410096686532
Option 4 ID : 4410096686529
Status : Answered
Chosen Option : 1

Q.20 Which of the following is NOT a correct practice in maintaining records?

- Ans ☒ 1. Using correction fluid to erase mistakes
- ☐ 2. Keeping records confidential
- ☐ 3. Recording data promptly
- ☐ 4. Writing clearly and legibly

Question Type : MCQ
Question ID : 4410091577758
Option 1 ID : 4410096232076
Option 2 ID : 4410096232079
Option 3 ID : 4410096232078
Option 4 ID : 4410096232077
Status : Answered
Chosen Option : 1

Q.21 The average daily dietary intake for a healthy individual for a given life stage and gender group is called:

- Ans ☒ 1. Recommended dietary allowance
- ☐ 2. Adequate dietary intake
- ☐ 3. Estimated average requirement
- ☐ 4. Tolerable upper intake level

Question Type : MCQ
Question ID : 4410091593770
Option 1 ID : 4410096295408
Option 2 ID : 4410096295406
Option 3 ID : 4410096295409
Option 4 ID : 4410096295407
Status : Answered
Chosen Option : 1

Q.22 A public health nurse is conducting a health awareness mela in a rural area where most of the young adults are smokers. What should be the most appropriate aim of health education?

- Ans ☐ 1. Teaching common surgical procedures and care after surgery among adults
- ☐ 2. Performing diagnostic evaluation to screen and distributing medication
- ☐ 3. Focusing only on the problems and dangers of smoking
- ☒ 4. Encouraging behavior change by providing information and support

Question Type : MCQ
Question ID : 4410091569979
Option 1 ID : 4410096200920
Option 2 ID : 4410096200919
Option 3 ID : 4410096200917
Option 4 ID : 4410096200918
Status : Answered
Chosen Option : 4

Q.23 In the context of pelvic infections affecting the vagina, which management strategy is most appropriate when both infection and fistula are present?

- Ans
- ☒ 1. Analgesics without antibiotics
 - ☒ 2. Only observation
 - ☒ 3. Antibiotic therapy followed by surgical repair
 - ☒ 4. Immediate surgical repair before infection control

Question Type : MCQ
Question ID : 4410091557492
Option 1 ID : 4410096152268
Option 2 ID : 4410096152267
Option 3 ID : 4410096152266
Option 4 ID : 4410096152265
Status : Answered
Chosen Option : 3

Q.24 A pregnant woman diagnosed with hydramnios presents with sudden severe abdominal pain and difficulty breathing. What is the most appropriate immediate nursing action?

- Ans
- ☒ 1. Administer oral fluids including lots of fruit juices
 - ☒ 2. Provide rest position to left side and provide oxygen
 - ☒ 3. Encourage ambulation and exercise
 - ☒ 4. Apply abdominal binder

Question Type : MCQ
Question ID : 4410091558403
Option 1 ID : 4410096156015
Option 2 ID : 4410096156014
Option 3 ID : 4410096156013
Option 4 ID : 4410096156016
Status : Answered
Chosen Option : 2

Q.25 Which cell type is mainly involved during the early stage of inflammation?

- Ans
- ☒ 1. Basophils
 - ☒ 2. Erythrocytes
 - ☒ 3. Lymphocytes
 - ☒ 4. Neutrophils

Question Type : MCQ
Question ID : 4410091580829
Option 1 ID : 4410096244663
Option 2 ID : 4410096244661
Option 3 ID : 4410096244662
Option 4 ID : 4410096244660
Status : Answered
Chosen Option : 4

Q.26 A nurse at an under five clinic observes a child with below-average growth and missed immunizations. What should be the nurse's most appropriate intervention?

- Ans
- ☒ 1. Advise immediate admission to hospital
 - ☒ 2. Educate parents on nutrition and immunizations
 - ☒ 3. Refer the child to a tertiary health care centre
 - ☒ 4. Refer the child to a primary health care provider for follow-up

Question Type : MCQ
Question ID : 4410091576083
Option 1 ID : 4410096225118
Option 2 ID : 4410096225119
Option 3 ID : 4410096225120
Option 4 ID : 4410096225121
Status : Answered
Chosen Option : 4

Q.27 In a clinical scenario, a patient with a skin infection requires a drug that acts directly at the site of infection. Which drug form should be selected?

- Ans
- ☒ 1. Suppository
 - ☒ 2. Syrup
 - ☒ 3. Topical cream
 - ☒ 4. Capsule

Question Type : MCQ
Question ID : 4410091570995
Option 1 ID : 4410096204971
Option 2 ID : 4410096204973
Option 3 ID : 4410096204972
Option 4 ID : 4410096204974
Status : Answered
Chosen Option : 3

Q.28 What does the acronym RACE stand for, in the context of hospital fire safety policies?

- Ans
- ☒ 1. Rescue, Alarm, Confine, Extinguish
 - ☒ 2. Rescue, Act, Contain, Exit
 - ☒ 3. Report, Act, Control, Elaborate
 - ☒ 4. Run, Alarm, Call, Evacuate

Question Type : MCQ
Question ID : 4410091697681
Option 1 ID : 4410096696436
Option 2 ID : 4410096696437
Option 3 ID : 4410096696438
Option 4 ID : 4410096696435
Status : Answered
Chosen Option : 1

Q.29 A nurse is educating a community about food adulteration. Which combination of actions best helps prevent the consumption of adulterated food?

- Ans
- ☐ 1. Cooking food at high temperatures and storing leftovers in the refrigerator
 - ☐ 2. Washing fruits and vegetables thoroughly and storing them in plastic containers
 - ☒ 3. Purchasing branded products and checking for standard certification marks
 - ☐ 4. Reading food labels and buying from local markets

Question Type : MCQ
Question ID : 4410091558597
Option 1 ID : 4410096156780
Option 2 ID : 4410096156779
Option 3 ID : 4410096156778
Option 4 ID : 4410096156777
Status : Answered
Chosen Option : 3

Q.30 A community health nurse is assessing a 6-month-old infant during a home visit. Which assessment finding most strongly suggests the infant is meeting expected developmental milestones?

- Ans
- ☐ 1. The infant can say two-word sentences fluently with a clear understanding
 - ☐ 2. The infant regularly skips meals throughout the day and exhibits anhedonia
 - ☐ 3. The infant can walk unassisted for several steps and is able to run freely
 - ☒ 4. The infant is able to sit with support and transfers objects between hands

Question Type : MCQ
Question ID : 4410091698565
Option 1 ID : 4410096699907
Option 2 ID : 4410096699908
Option 3 ID : 4410096699906
Option 4 ID : 4410096699905
Status : Answered
Chosen Option : 4

Q.31 During nebulization for a patient with chronic obstructive pulmonary disease (COPD), the nurse notes that the medication is not visibly misting. What is the best nursing action to address this issue?

- Ans
- ☐ 1. Ask the patient to hold their breath for 10 seconds after each inhalation
 - ☐ 2. Administer the next scheduled dose of medication immediately
 - ☒ 3. Check for kinks in the tubing and ensure the device is connected
 - ☐ 4. Increase the oxygen flow to the maximum setting on the wall

Question Type : MCQ
Question ID : 4410091697399
Option 1 ID : 4410096695341
Option 2 ID : 4410096695342
Option 3 ID : 4410096695339
Option 4 ID : 4410096695340
Status : Answered
Chosen Option : 3

Q.32 During a complex surgical procedure, the surgical team realizes a critical piece of equipment is malfunctioning. What is the most appropriate action for the nurse in charge of operation theatre supplies?

- Ans
- ☐ 1. Replace the equipment after the procedure is complete
 - ☐ 2. Attempt to fix the equipment during the procedure
 - ☒ 3. Immediately inform the surgeon and provide a sterile backup
 - ☐ 4. Ignore the issue and continue the procedure

Question Type : MCQ
Question ID : 4410091557951
Option 1 ID : 4410096154119
Option 2 ID : 4410096154116
Option 3 ID : 4410096154117
Option 4 ID : 4410096154118
Status : Answered
Chosen Option : 3

Q.33 In the context of community health nursing, how can nurses most effectively contribute to disease prevention within a health care delivery system?

- Ans
- ☐ 1. By delegating all preventive tasks to doctors
 - ☐ 2. By focusing solely on treatment
 - ☐ 3. By only distributing medicines
 - ☒ 4. By promoting vaccination and educating about hygiene

Question Type : MCQ
Question ID : 4410091566334
Option 1 ID : 4410096186743
Option 2 ID : 4410096186740
Option 3 ID : 4410096186742
Option 4 ID : 4410096186741
Status : Answered
Chosen Option : 4

Q.34 Which factor describes the ability of a microbe to cause disease in a host?

- Ans
- ☒ 1. virulence
 - ☐ 2. antibiotic
 - ☐ 3. vector
 - ☐ 4. immunity

Question Type : MCQ
Question ID : 4410091695209
Option 1 ID : 4410096686885
Option 2 ID : 4410096686887
Option 3 ID : 4410096686888
Option 4 ID : 4410096686886
Status : Answered
Chosen Option : 1

Q.35 A hospital is conducting a disaster drill. The nurse leader must decide how to allocate limited medical supplies while ensuring patient care. What is the most appropriate nursing action in this scenario?

- Ans
- ☒ 1. Distribute supplies fairly among all patients
 - ☒ 2. Allocate supplies based on triage Principles
 - ☒ 3. Reserve supplies for staff use only as per their will
 - ☒ 4. Withhold supplies until more arrive

Question Type : MCQ
Question ID : 4410091558252
Option 1 ID : 4410096155401
Option 2 ID : 4410096155403
Option 3 ID : 4410096155402
Option 4 ID : 4410096155404
Status : Answered
Chosen Option : 2

Q.36 In the context of utilizing research in nursing practice, what is the primary role of clinical guidelines derived from systematic reviews?

- Ans
- ☒ 1. They serve as legal requirements for all nursing interventions
 - ☒ 2. They provide evidence-based recommendations
 - ☒ 3. They substitute for ongoing professional education
 - ☒ 4. They replace the need for clinical judgment

Question Type : MCQ
Question ID : 4410091592295
Option 1 ID : 4410096289545
Option 2 ID : 4410096289544
Option 3 ID : 4410096289546
Option 4 ID : 4410096289543
Status : Answered
Chosen Option : 2

Q.37 Which statement accurately describes the relationship between attention and perception?

- Ans
- ☒ 1. Perception occurs before attention can be directed
 - ☒ 2. Attention acts as a filter for perception of information
 - ☒ 3. Perception does not require attention
 - ☒ 4. Attention is needed only for complex perception

Question Type : MCQ
Question ID : 4410091593829
Option 1 ID : 4410096295642
Option 2 ID : 4410096295643
Option 3 ID : 4410096295644
Option 4 ID : 4410096295645
Status : Answered
Chosen Option : 2

Q.38 A head nurse notices that patient care is delayed due to overlapping responsibilities among the team members. Which managerial action best demonstrates effective coordination in this situation?

- Ans
- ☐ 1. Allowing staff to choose their own tasks each day
 - ☐ 2. Assigning all tasks to the most experienced nurse on duty
 - ☐ 3. Increasing the number of staff meetings for discussion
 - ☒ 4. Clarifying each team member's specific duties for the shift

Question Type : MCQ
Question ID : 4410091697673
Option 1 ID : 4410096696406
Option 2 ID : 4410096696405
Option 3 ID : 4410096696404
Option 4 ID : 4410096696403
Status : Answered
Chosen Option : 4

Q.39 A patient with a history of recurrent second-trimester miscarriages undergoes an MRI. The scan shows a heart-shaped uterine cavity with two distinct horns. What is the most likely diagnosis?

- Ans
- ☐ 1. didelphys uterus
 - ☒ 2. biconuate uterus
 - ☐ 3. septate uterus
 - ☐ 4. unicornuate uterus

Question Type : MCQ
Question ID : 4410091697650
Option 1 ID : 4410096696317
Option 2 ID : 4410096696315
Option 3 ID : 4410096696316
Option 4 ID : 4410096696318
Status : Answered
Chosen Option : 2

Q.40 Which of the following best describes preventive pediatric care in child health nursing?

- Ans
- ☐ 1. Treating illnesses after they occur
 - ☐ 2. Focusing solely on physical growth
 - ☒ 3. Promoting health and preventing disease in children
 - ☐ 4. Administering medication for all symptoms

Question Type : MCQ
Question ID : 4410091555613
Option 1 ID : 4410096144997
Option 2 ID : 4410096144998
Option 3 ID : 4410096144999
Option 4 ID : 4410096145000
Status : Answered
Chosen Option : 3

Q.41 Which of the following best describes a person with dependent personality disorder?

- Ans ☒ 1. Has difficulty making everyday decisions without advice or reassurance from others
- ☐ 2. Shows excessive emotional instability, unstable self-image and impulsivity
- ☐ 3. Exhibits persistent suspiciousness and deep-seated mistrust of others
- ☐ 4. Displays a persistent pattern of violating the rights of others' without remorse

Question Type : MCQ
Question ID : 4410091584172
Option 1 ID : 4410096257995
Option 2 ID : 4410096257997
Option 3 ID : 4410096257998
Option 4 ID : 4410096257996
Status : Answered
Chosen Option : 1

Q.42 A family relocates to a new community, and the receiving nurse needs to update their health record. Which practice best promotes continuity of care and accurate health tracking?

- Ans ☒ 1. Transferring and integrating previous health records promptly
- ☐ 2. Relying on verbal accounts from family members
- ☐ 3. Only recording new illnesses reported by the family
- ☐ 4. Starting a new record without reviewing past data

Question Type : MCQ
Question ID : 4410091698578
Option 1 ID : 4410096699957
Option 2 ID : 4410096699959
Option 3 ID : 4410096699960
Option 4 ID : 4410096699958
Status : Answered
Chosen Option : 1

Q.43 Who commonly pays the premium for health insurance in employer-sponsored plans?

- Ans ☐ 1. The patient's family
- ☒ 2. The employer
- ☐ 3. Charity organizations
- ☐ 4. The government

Question Type : MCQ
Question ID : 4410091586668
Option 1 ID : 4410096267613
Option 2 ID : 4410096267612
Option 3 ID : 4410096267615
Option 4 ID : 4410096267614
Status : Answered
Chosen Option : 3

Q.44 The nurse–patient relationship in holistic nursing is best described as:

- Ans
- ☐ 1. Procedure-focused
 - ☐ 2. Nurse-centered
 - ☐ 3. Task-oriented
 - ☒ 4. Patient-centered

Question Type : MCQ
Question ID : 4410091578740
Option 1 ID : 4410096236055
Option 2 ID : 4410096236052
Option 3 ID : 4410096236053
Option 4 ID : 4410096236054
Status : Answered
Chosen Option : 4

Q.45 In a rural hospital, the nursing administrator must choose a financing strategy that aligns with the national health plan's emphasis on equitable access. Which approach most effectively meets this requirement?

- Ans
- ☐ 1. Distribute funds equally among all wards regardless of need
 - ☐ 2. Base allocations solely on historical spending data
 - ☒ 3. Allocate resources based on community health needs assessments
 - ☐ 4. Prioritize funding for urban-based specialty units

Question Type : MCQ
Question ID : 4410091697731
Option 1 ID : 4410096696638
Option 2 ID : 4410096696640
Option 3 ID : 4410096696637
Option 4 ID : 4410096696639
Status : Answered
Chosen Option : 3

Q.46 What is the most appropriate action for a nurse if a discrepancy is found in the medication record during shift change?

- Ans
- ☐ 1. Erase the record
 - ☐ 2. Ignore the discrepancy
 - ☒ 3. Immediately report to supervisor
 - ☐ 4. Wait for next shift to address

Question Type : MCQ
Question ID : 4410091571008
Option 1 ID : 4410096205026
Option 2 ID : 4410096205024
Option 3 ID : 4410096205023
Option 4 ID : 4410096205025
Status : Answered
Chosen Option : 3

Q.47 A community health nurse is assigned to a village where an increase in hypertension cases has been observed. She organizes health screenings, provides dietary counseling, and refers detected cases for further management. Which level of prevention is primarily being applied in this scenario?

- Ans
- ☐ 1. Primordial prevention through policy advocacy
 - ☐ 2. Tertiary prevention through rehabilitation services
 - ☒ 3. Secondary prevention through early detection and intervention
 - ☐ 4. Primary prevention through lifestyle education

Question Type : MCQ
Question ID : 4410091698574
Option 1 ID : 4410096699944
Option 2 ID : 4410096699943
Option 3 ID : 4410096699942
Option 4 ID : 4410096699941
Status : Answered
Chosen Option : 3

Q.48 If a person touches a hot surface and quickly pulls their hand away, which type of nerves are primarily responsible for sending the signal to move the hand?

- Ans
- ☐ 1. Sensory nerves
 - ☒ 2. Motor nerves
 - ☐ 3. Autonomic nerves
 - ☐ 4. Interneurons

Question Type : MCQ
Question ID : 4410091568867
Option 1 ID : 4410096196708
Option 2 ID : 4410096196709
Option 3 ID : 4410096196711
Option 4 ID : 4410096196710
Status : Answered
Chosen Option : 3

Q.49 When planning a community health education session, why might a nurse choose posters instead of pamphlets?

- Ans
- ☒ 1. Posters are more effective for large groups with limited literacy
 - ☐ 2. Posters require detailed explanations
 - ☐ 3. Pamphlets are always more expensive
 - ☐ 4. Posters can be reused every time

Question Type : MCQ
Question ID : 4410091557554
Option 1 ID : 4410096152514
Option 2 ID : 4410096152516
Option 3 ID : 4410096152515
Option 4 ID : 4410096152513
Status : Answered
Chosen Option : 1

Q.50 A female patient presents with localized pain and swelling at the opening of the genital tract, including the clitoris and vestibule. The nurse recognizes that this infection is limited to which anatomical region?

- Ans ☒ 1. Vulva
- ☒ 2. Vagina
- ☒ 3. Cervix
- ☒ 4. Uterus

Question Type : MCQ
Question ID : 4410091697642
Option 1 ID : 4410096696283
Option 2 ID : 4410096696284
Option 3 ID : 4410096696285
Option 4 ID : 4410096696286
Status : Answered
Chosen Option : 1

Q.51 Which fetal position is most commonly associated with prolonged labor due to malposition?

- Ans ☒ 1. Occipito-posterior position
- ☒ 2. Occipito-anterior position
- ☒ 3. Breech presentation
- ☒ 4. Transverse lie

Question Type : MCQ
Question ID : 4410091584879
Option 1 ID : 4410096260714
Option 2 ID : 4410096260713
Option 3 ID : 4410096260716
Option 4 ID : 4410096260715
Status : Answered
Chosen Option : 4

Q.52 In a healthcare setting, combining hand hygiene with the use of personal protective equipment (PPE) demonstrates which principle of asepsis?

- Ans ☒ 1. Preventing cross-contamination
- ☒ 2. Disposing of waste materials
- ☒ 3. Maintaining a sterile field only
- ☒ 4. Treating infections after they occur

Question Type : MCQ
Question ID : 4410091557393
Option 1 ID : 4410096151962
Option 2 ID : 4410096151964
Option 3 ID : 4410096151961
Option 4 ID : 4410096151963
Status : Answered
Chosen Option : 1

Q.53 What is the primary function of the baroreceptors located in the carotid sinus and aortic arch?

- Ans
- ☐ 1. Produce red blood cells
 - ☐ 2. Facilitate gas exchange
 - ☐ 3. Regulate heart contractions
 - ☒ 4. Monitor blood pressure changes

Question Type : MCQ
Question ID : 4410091553236
Option 1 ID : 4410096135345
Option 2 ID : 4410096135346
Option 3 ID : 4410096135343
Option 4 ID : 4410096135344
Status : Answered
Chosen Option : 4

Q.54 During orogastric feeding in a neonate, the nurse observes coughing and cyanosis. What should be the nurse's immediate response?

- Ans
- ☐ 1. Offer the infant a pacifier to calm down
 - ☐ 2. Reposition the child and continue feeding slowly
 - ☐ 3. Increase the feeding rate to complete faster
 - ☒ 4. Stop the feeding and assess airway patency immediately

Question Type : MCQ
Question ID : 4410091697376
Option 1 ID : 4410096695254
Option 2 ID : 4410096695253
Option 3 ID : 4410096695252
Option 4 ID : 4410096695251
Status : Answered
Chosen Option : 4

Q.55 What is the expected color and composition of lochia serosa?

- Ans
- ☐ 1. Clear watery discharge with no cells
 - ☐ 2. White or yellow discharge with mucus and leukocytes
 - ☐ 3. Bright red discharge with blood clots
 - ☒ 4. Pinkish or brownish discharge containing serous fluid and leukocytes

Question Type : MCQ
Question ID : 4410091591306
Option 1 ID : 4410096285634
Option 2 ID : 4410096285633
Option 3 ID : 4410096285631
Option 4 ID : 4410096285632
Status : Answered
Chosen Option : 4

Q.56 Which dietary modification should be recommended for a patient with Meniere's disease to help control the symptoms?

- Ans
- ☐ 1. Increasing daily fluid intake
 - ☐ 2. Recommending a high-protein diet
 - ☒ 3. Restricting sodium intake
 - ☐ 4. Encouraging caffeine consumption

Question Type : MCQ
Question ID : 4410091583786
Option 1 ID : 4410096256470
Option 2 ID : 4410096256471
Option 3 ID : 4410096256468
Option 4 ID : 4410096256469
Status : Answered
Chosen Option : 3

Q.57 What is an example of poor listening?

- Ans
- ☐ 1. Maintaining eye contact
 - ☐ 2. Nodding to show understanding
 - ☐ 3. Asking clarifying questions
 - ☒ 4. Interrupting the speaker

Question Type : MCQ
Question ID : 4410091579997
Option 1 ID : 4410096241302
Option 2 ID : 4410096241303
Option 3 ID : 4410096241304
Option 4 ID : 4410096241301
Status : Answered
Chosen Option : 4

Q.58 A nurse observes that a woman's lochia has transitioned from rubra to alba on the twelfth postpartum day. What does this indicate about her recovery process?

- Ans
- ☒ 1. The healing of the endometrial lining is progressing normally
 - ☐ 2. The patient is at increased risk of developing endometritis
 - ☐ 3. The patient should restrict her physical activity further
 - ☐ 4. The presence of lochia alba suggests delayed involution

Question Type : MCQ
Question ID : 4410091697551
Option 1 ID : 4410096695939
Option 2 ID : 4410096695940
Option 3 ID : 4410096695941
Option 4 ID : 4410096695942
Status : Answered
Chosen Option : 1

Q.59 How can interdependence affect decision-making in a family?

- Ans ☒ 1. It encourages joint participation in making choices
- ☐ 2. It leads to decisions made by outsiders
- ☐ 3. It prevents any decisions from being made
- ☐ 4. It excludes some members from decisions

Question Type : MCQ
Question ID : 4410091589203
Option 1 ID : 4410096277405
Option 2 ID : 4410096277406
Option 3 ID : 4410096277407
Option 4 ID : 4410096277404
Status : Answered
Chosen Option : 4

Q.60 A patient is diagnosed with monozygotic monoamniotic twins. What is the most accurate explanation for this diagnosis?

- Ans ☐ 1. Twins that develop from two fertilized eggs, each with separate placentas
- ☐ 2. Twins that develop from a single fertilized egg, each with a separate placenta
- ☒ 3. Twins that develop from a single fertilized egg, share both placenta and amniotic sac
- ☐ 4. Twins that develop from two fertilized eggs, sharing a placenta

Question Type : MCQ
Question ID : 4410091697573
Option 1 ID : 4410096696023
Option 2 ID : 4410096696025
Option 3 ID : 4410096696024
Option 4 ID : 4410096696026
Status : Answered
Chosen Option : 3

Q.61 A 5-year-old child is prescribed nebulization for acute bronchospasm. Which nursing action best ensures the medication is effectively delivered during the procedure?

- Ans ☐ 1. Asking the child to hold breath for a few seconds after each inhalation
- ☐ 2. Placing the child in a fully supine position during nebulization
- ☒ 3. Ensuring the child breathes slowly and deeply during nebulization
- ☐ 4. Allowing the child to eat immediately during the nebulization process

Question Type : MCQ
Question ID : 4410091697389
Option 1 ID : 4410096695305
Option 2 ID : 4410096695304
Option 3 ID : 4410096695303
Option 4 ID : 4410096695306
Status : Answered
Chosen Option : 3

Q.62 When managing a patient with increased intracranial pressure, which combination of actions should the nurse prioritize to promote patient safety and reduce complications?

- Ans
- ☒ 1. Elevate the head of the bed and monitor vital signs
 - ☐ 2. Keep the patient flat and administer fluids
 - ☐ 3. Encourage coughing and deep breathing exercises
 - ☐ 4. Place ice packs on the patient's head and limit movement

Question Type : MCQ
Question ID : 4410091557993
Option 1 ID : 4410096154286
Option 2 ID : 4410096154287
Option 3 ID : 4410096154288
Option 4 ID : 4410096154289
Status : Answered
Chosen Option : 2

Q.63 Which two main techniques are commonly used to assess a patient's lung sounds during a physical assessment?

- Ans
- ☐ 1. Inspection and palpation
 - ☐ 2. Percussion and inspection
 - ☒ 3. Auscultation and percussion
 - ☐ 4. Palpation and auscultation

Question Type : MCQ
Question ID : 4410091557368
Option 1 ID : 4410096151884
Option 2 ID : 4410096151887
Option 3 ID : 4410096151885
Option 4 ID : 4410096151886
Status : Answered
Chosen Option : 3

Q.64 Which microorganism is typically classified as a eukaryote?

- Ans
- ☐ 1. Viruses
 - ☐ 2. Bacteria
 - ☒ 3. Protozoa
 - ☐ 4. Cyanobacterium

Question Type : MCQ
Question ID : 4410091590982
Option 1 ID : 4410096284343
Option 2 ID : 4410096284341
Option 3 ID : 4410096284340
Option 4 ID : 4410096284342
Status : Answered
Chosen Option : 1

Q.65 A middle-aged man with poorly controlled diabetes develops a foot ulcer, which becomes infected with bacteria that are part of his normal skin flora. Which type of infection is this?

- Ans
- ☐ 1. An exotic infection by drug-resistant bacteria
 - ☐ 2. A zoonotic infection from animal contact
 - ☒ 3. An endogenous infection from resident bacteria
 - ☐ 4. An exogenous infection from hospital staff

Question Type : MCQ
Question ID : 4410091695198
Option 1 ID : 4410096686847
Option 2 ID : 4410096686848
Option 3 ID : 4410096686845
Option 4 ID : 4410096686846
Status : Answered
Chosen Option : 3

Q.66 A state government seeks to address disparities in health care access. According to the National Health Policy, which initiative should they implement first?

- Ans
- ☐ 1. Developing new pharmaceutical industries
 - ☐ 2. Establishing medical colleges in cities
 - ☒ 3. Expanding primary health care outreach
 - ☐ 4. Promoting private insurance coverage

Question Type : MCQ
Question ID : 4410091698618
Option 1 ID : 4410096700113
Option 2 ID : 4410096700114
Option 3 ID : 4410096700115
Option 4 ID : 4410096700116
Status : Not Answered
Chosen Option : --

Q.67 In gynecological nursing, why might artificial insemination be recommended as a fertility treatment?

- Ans
- ☐ 1. To treat infections in the reproductive tract
 - ☐ 2. To prevent sexually transmitted infections
 - ☒ 3. When male infertility factors prevent natural conception
 - ☐ 4. To perform cancer screening

Question Type : MCQ
Question ID : 4410091557485
Option 1 ID : 4410096152237
Option 2 ID : 4410096152239
Option 3 ID : 4410096152238
Option 4 ID : 4410096152240
Status : Answered
Chosen Option : 2

Q.68 A nurse must design a psychoeducation session for parents of children with autism spectrum disorder (ASD). Which approach is most likely to improve parental understanding and support for their child's social development?

- Ans
- ☒ 1. Discouraging parental involvement in therapy
 - ☒ 2. Emphasizing punishment for inappropriate behaviors
 - ☒ 3. Encouraging consistent routines and positive reinforcement
 - ☒ 4. Promoting frequent changes in daily schedules

Question Type : MCQ
Question ID : 4410091570060
Option 1 ID : 4410096201243
Option 2 ID : 4410096201241
Option 3 ID : 4410096201242
Option 4 ID : 4410096201244
Status : Not Answered
Chosen Option : --

Q.69 Who is primarily responsible for delivering ICDS services at the village level?

- Ans
- ☒ 1. Block Development Officer
 - ☒ 2. Anganwadi Worker
 - ☒ 3. School Teacher
 - ☒ 4. ASHA Worker

Question Type : MCQ
Question ID : 4410091570851
Option 1 ID : 4410096204385
Option 2 ID : 4410096204382
Option 3 ID : 4410096204383
Option 4 ID : 4410096204384
Status : Answered
Chosen Option : 4

Q.70 During the menstrual cycle, what typically occurs when estrogen and progesterone levels drop at the end of the cycle?

- Ans
- ☒ 1. Ovulation begins
 - ☒ 2. The uterine lining thickens
 - ☒ 3. Menstruation starts
 - ☒ 4. The follicle matures

Question Type : MCQ
Question ID : 4410091557444
Option 1 ID : 4410096152096
Option 2 ID : 4410096152099
Option 3 ID : 4410096152097
Option 4 ID : 4410096152098
Status : Answered
Chosen Option : 3

Q.1 A wave has a wavelength of 0.5 m and a frequency of 200 Hz. Its speed is _____ .

Ans ☒ 1. 100 m/s

☐ 2. 200 m/s

☐ 3. 400 m/s

☐ 4. 50 m/s

Q.2 A pipe can fill a tank in 6 hours. Another pipe can empty the filled tank in 42 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be filled is:

Ans ☐ 1. 8

☐ 2. 9

☐ 3. 10

☒ 4. 7

Q.3 Which of the following is the primary international body that promotes global trade liberalization and economic globalization?

Ans ☒ 1. World Trade Organization (WTO)

☐ 2. European Free Trade Association (EFTA)

☐ 3. Shanghai Cooperation Organization (SCO)

☐ 4. African Continental Free Trade Area (AfCFTA)

Q.4 Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question? (NOTE – A two/three digit number cannot be broken into individual digits for operations, e.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)
5 - 10 - 20 - 40 ; 3 - 6 - 12 - 24

Ans ☐ 1. 3 - 6 - 12 - 23

☒ 2. 6 - 12 - 24 - 48

☐ 3. 11 - 22 - 24 - 28

☐ 4. 6 - 10 - 12 - 14

Q.5 Which of the following groups represents Indo-Aryan languages primarily spoken in the eastern region of India?

- Ans
- ☐ 1. Konkani, Marathi, Gujarati
 - ☒ 2. Assamese, Bengali, Odia
 - ☐ 3. Assamese, Konkani, Odia
 - ☐ 4. Bengali, Maithali, Konkani

Q.6 The total surface area of 12 cubes and 17 cuboids is 968 sq. cm. Each cuboid is formed by joining two cubes face to face. If the length of each side of a cube is 'a' cm, then find the value of $\frac{a^3}{4} \times \frac{8-a}{4-a}$.

- Ans
- ☐ 1. 2
 - ☒ 2. 6
 - ☐ 3. 8
 - ☐ 4. 4

Q.7 Which Indian film actress won the 70th Filmfare Best Actor in a Leading Role (Female) award in 2025?

- Ans
- ☐ 1. Kangana Ranaut
 - ☐ 2. Radhika Apte
 - ☒ 3. Alia Bhatt
 - ☐ 4. Yami Gautam

Q.8 Which Amendment Act made elementary education a fundamental right under Article 21A, mandating free and compulsory education for all children aged 6 to 14 years?

- Ans
- ☐ 1. 104th Amendment
 - ☒ 2. 86th Amendment
 - ☐ 3. 73rd Amendment
 - ☐ 4. 101st Amendment

Q.9 अमित ने समान धनराशि को साधारण ब्याज और वार्षिक रूप से संयोजित चक्रवृद्धि ब्याज पर 8% की समान वार्षिक ब्याज दर से 2 वर्षों के लिए निवेश किया। अंत में, उसे अर्जित दोनों ब्याज दरों के बीच ₹52 का अंतर प्राप्त होता है। प्रत्येक स्थिति में निवेश की गई धनराशि (₹ में) कितनी थी?

- Ans
- ☐ 1. 7375
 - ☐ 2. 7225
 - ☐ 3. 8475
 - ☒ 4. 8125

Q.10 By applying Newton's law of gravitation to a falling object at the surface of the Earth, the acceleration due to gravity is given by $g = GM / R^2$. The symbol M represents the mass of the:

- Ans
- ☐ 1. Sun
 - ☐ 2. Falling object
 - ☒ 3. Earth
 - ☐ 4. Moon

Q.11 Each vowel in the word CURTAIL is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

- Ans
- ☐ 1. C
 - ☒ 2. B
 - ☐ 3. D
 - ☐ 4. A

Q.12 Which statement best explains why non-metallic oxides generally react with bases?

- Ans
- ☐ 1. Non-metallic oxides do not react with bases
 - ☐ 2. Non-metallic oxides are basic in nature
 - ☐ 3. Non-metallic oxides are neutral in nature
 - ☒ 4. Non-metallic oxides are acidic in nature

Q.13 A neuron consists of a cell body, a nucleus, and many short, branched parts called _____.

- Ans
- ☐ 1. flagella
 - ☒ 2. dendrites
 - ☐ 3. cilia
 - ☐ 4. villi

Q.14 Where did India begin Exercise MAITREE-XIV with Thailand in 2025?

- Ans
- ☒ 1. Meghalaya
 - ☐ 2. Arunachal Pradesh
 - ☐ 3. Assam
 - ☐ 4. Sikkim

Q.15 What is the maximum number of electrons that can be present in the third shell ($n=3$) of an atom?

- Ans
- ☒ 1. 18
 - ☐ 2. 8
 - ☐ 3. 2
 - ☐ 4. 32

Q.16 Which of the following physiographic divisions is a part of the Peninsular Plateau?

- Ans
- ☐ 1. The Northern Plains
 - ☐ 2. The Himalayan Mountains
 - ☐ 3. The Islands
 - ☒ 4. The Central Highlands

Q.17 What should come in place of '?' in the given series based on the English alphabetical order?
JHK PNQ VTW BZC ?

- Ans
- ☒ 1. HFI
 - ☐ 2. GEQ
 - ☐ 3. HGK
 - ☐ 4. GFN

Q.18 The average of five numbers is 30. If one of the numbers is 34, what is the average of the remaining four numbers?

- Ans
- ☐ 1. 31
 - ☐ 2. 27
 - ☐ 3. 28
 - ☒ 4. 29

Q.19 Which branch of chemistry deals with the study of elements and compounds that do not contain carbon-hydrogen bonds?

- Ans
- ☐ 1. Organic chemistry
 - ☐ 2. Physical chemistry
 - ☐ 3. Biochemistry
 - ☒ 4. Inorganic chemistry

Q.20 The gravitational force (F) between two objects with mass m_1 and m_2 ; is always _____ .

- Ans
- ☐ 1. Sometimes attractive, sometimes repulsive
 - ☐ 2. Repulsive
 - ☒ 3. Attractive
 - ☐ 4. Zero

Q.21 All 69 people are standing in a row facing north. Tanay is 31st from the right end, while Lomasi is 28th from the left end. How many people are there between Tanay and Lomasi?

- Ans
- ☐ 1. 25
 - ☐ 2. 12
 - ☒ 3. 10
 - ☐ 4. 24

Q.22 किसी परिपथ में, यदि प्रतिरोध आधा कर दिया जाए और वोल्टेज समान रहे, तो शक्ति में क्या परिवर्तन होगा?

- Ans
- ☐ 1. शक्ति समान रहेगी।
 - ☐ 2. शक्ति चार गुना हो जाएगी।
 - ☒ 3. शक्ति दोगुनी हो जाएगी।
 - ☐ 4. शक्ति आधा हो जाएगी।

Q.23 In a certain code language,
A + B means 'A is the son of B'
A – B means 'A is the wife of B'
A @ B means 'A is the daughter of B'
A # B means 'A is the mother of B'
Based on the above, how is S related to K if 'S + W # Y @ K'?

- Ans
- ☐ 1. Husband
 - ☐ 2. Brother
 - ☐ 3. Father
 - ☒ 4. Son

Q.24 If fertilisation does not occur, what happens to the thickened uterine lining in females?

- Ans
- ☒ 1. It sheds as blood and mucous in menstruation
 - ☐ 2. It is absorbed back into the body slowly
 - ☐ 3. It hardens and forms scar tissue
 - ☐ 4. It remains in the uterus permanently

Q.25 Which among the following is NOT a land resource?

- Ans
- ☐ 1. Water
 - ☐ 2. Minerals
 - ☐ 3. Soil
 - ☒ 4. Sunlight

Q.26 In 2025, India launched a homegrown microprocessor called DHRUV64. What is its key feature?

- Ans
- ☐ 1. 64-bit solar-powered chip
 - ☒ 2. 64-bit dual-core microprocessor
 - ☐ 3. 64-bit wireless data chip
 - ☐ 4. 64-bit blockchain microprocessor

Q.27 Which constitutional amendment established an urban local government system in India in 1992?

- Ans
- ☐ 1. 73rd Constitutional Amendment Act
 - ☐ 2. 68th Constitutional Amendment Act
 - ☐ 3. 65th Constitutional Amendment Bill
 - ☒ 4. 74th Constitutional Amendment Act

Q.28 Both skeletal and cardiac muscles have striations. Which feature distinguishes cardiac muscle from skeletal muscle?

- Ans
- ☐ 1. Multiple nuclei per cell
 - ☒ 2. Uninucleate
 - ☐ 3. Voluntary control
 - ☐ 4. Absence of nucleus

Q.29 The largest four-digit number which when divided by 14, 9 and 8 leaves remainder 2 in each case is:

- Ans
- ☐ 1. 9964
 - ☐ 2. 9234
 - ☐ 3. 9584
 - ☒ 4. 9578

Q.30 In which year was the East India Company founded to engage in trade with India and East and Southeast Asia?

- Ans
- ☐ 1. 1605
 - ☒ 2. 1600
 - ☐ 3. 1615
 - ☐ 4. 1610

Section : Professional Ability

Q.1 How does the addition of a co-emulsifier like cetyl alcohol affect an emulsion?

- Ans
- ☐ 1. It turns oil-in-water to water-in-oil type
 - ☒ 2. It improves the stability of the emulsion
 - ☐ 3. It increases the solubility of oil phase
 - ☐ 4. It decreases the viscosity significantly

Q.2 According to Stokes' law, which change will most effectively reduce the rate of creaming in an emulsion?

- Ans
- ☒ 1. Decreasing the size of the droplets
 - ☐ 2. Increasing the density difference between phases
 - ☐ 3. Increasing the droplet size
 - ☐ 4. Decreasing the viscosity of the external phase

Q.3 Why is the mouth of the fermentation vessel covered with muslin cloth during preparation of Arista and Asava?

- Ans
- ☐ 1. To maintain temperature
 - ☐ 2. To enhance sweetness
 - ☒ 3. To allow air exchange and prevent contamination
 - ☐ 4. To prevent evaporation

Q.4 Which class of appetite suppressants does fluoxetine belong to?

- Ans
- ☒ 1. Central serotonin pathway drugs
 - ☐ 2. Amphetamines
 - ☐ 3. Sympathomimetic drugs
 - ☐ 4. Central catecholamine pathway drugs

Q.5 When using a super centrifuge for separating oil and water emulsions, what operational parameter most significantly affects the sharpness of phase separation?

- Ans
- ☐ 1. Diameter of the feed tube
 - ☒ 2. Rotational speed of the centrifuge bowl
 - ☐ 3. Temperature of the feed mixture
 - ☐ 4. Viscosity of the lubricating oil

Q.6 Which mechanism is suggested as one way fiber can lower plasma cholesterol?

- Ans
- ☒ 1. Binding bile acids
 - ☐ 2. Increasing blood glucose
 - ☐ 3. Increasing protein synthesis
 - ☐ 4. Reducing water intake

Q.7 Which of following is commonly used as an antiseptic in surgical scrubs?

- Ans
- ☐ 1. Ethylene oxide
 - ☒ 2. Chlorhexidine
 - ☐ 3. Sodium hypochlorite
 - ☐ 4. Phenol

Q.8 When submitting a herbal medicinal product for marketing authorization in Europe requiring efficacy comparable to conventional medicines, which guideline applies?

- Ans
- ☐ 1. ICH Q10 Pharmaceutical Quality System
 - ☐ 2. ICH S7A Safety Pharmacology Studies
 - ☐ 3. EU Regulation 536/2014 on clinical trials
 - ☒ 4. EU Directive 2001/83/EC as amended by Directive 2004/24/EC

Q.9 Why are aminoglycosides generally not effective against anaerobic bacteria?

- Ans
- ☐ 1. Anaerobic bacteria lack a cell wall
 - ☒ 2. Aminoglycosides require oxygen-dependent transport to enter cells
 - ☐ 3. Anaerobes produce more protein than aerobes
 - ☐ 4. Aminoglycosides are inactivated by anaerobes

Q.10 What is the role of plasmids in the application of rDNA technology in pharmaceutical biotechnology?

- Ans
- ☐ 1. Nutrients for cell growth
 - ☐ 2. Enzymes for digestion
 - ☐ 3. Markers for identification
 - ☒ 4. Vectors for gene transfer

Q.11 Which of the following is an external factor influencing consumer buying behaviour?

- Ans
- ☐ 1. Attitude
 - ☐ 2. Personal motivation
 - ☐ 3. Perception
 - ☒ 4. Economic changes

Q.12 Which combination of biological factors must be considered together when designing a controlled drug delivery system for oral use?

- Ans
- ☒ 1. Gastrointestinal motility and enzyme activity
 - ☐ 2. Tablet weight and shape
 - ☐ 3. Capsule size and taste
 - ☐ 4. Storage temperature and humidity

Q.13 Which of the following concentration range of sucrose acts as a self preservative in monophasic liquid dosage forms?

- Ans
- ☐ 1. 50-55%
 - ☐ 2. 40-45%
 - ☐ 3. 20-30%
 - ☒ 4. 60-85%

Q.14 Which statement best describes an advantage of biphasic systems over monophasic systems?

- Ans
- ☐ 1. Have no risk of microbial growth
 - ☐ 2. Do not need flavoring agents
 - ☒ 3. Can deliver insoluble drugs
 - ☐ 4. Are always clear solutions

Q.15 Which symptom is commonly associated with acute myocardial infarction?

- Ans
- ☐ 1. Intermittent cough
 - ☐ 2. Frequent urination
 - ☒ 3. Severe chest pain
 - ☐ 4. Fever

Q.16 Which of following processes is required for clarifying injectable solutions by removing submicron contaminants?

- Ans
- ☐ 1. Gravity sedimentation tank
 - ☐ 2. Drying oven at high temperature
 - ☐ 3. Slow-speed mixer with filter paper
 - ☒ 4. Super centrifuge operating at maximum safe rotational speed

Q.17 A patient with significant weight loss due to cancer is started on an appetite stimulant. Which of the following drugs, a progestational agent, is most appropriate for this indication?

- Ans
- ☐ 1. Orlistat
 - ☒ 2. Megestrol acetate
 - ☐ 3. Lorcaserin
 - ☐ 4. Naltrexone

Q.18 What is the effect of adding a small amount of strong acid to a buffer solution of acetic acid and sodium acetate?

- Ans
- ☐ 1. The pH drops sharply to acidic value
 - ☐ 2. The pH remains exactly the same
 - ☒ 3. The pH settles near its original value
 - ☐ 4. The pH increases significantly

Q.19 If a compound inhibits the site between cytochrome b and c1, which of the following is most likely that compound?

- Ans
- ☐ 1. Cyanide
 - ☒ 2. Antimycin A
 - ☐ 3. Malonate
 - ☐ 4. Rotenone

Q.20 Which of the following is NOT typically used as a flavor in oral monophasic liquids?

- Ans
- ☐ 1. Strawberry
 - ☒ 2. Copper sulfate
 - ☐ 3. Vanilla
 - ☐ 4. Orange

Q.21 If poorly water soluble drugs are formulated as emulsions then which of the following is a major advantage of using emulsions as a biphasic liquid dosage form?

- Ans
- ☐ 1. They always mask the taste of all drugs completely
 - ☐ 2. They require no special storage conditions
 - ☐ 3. They are less expensive to manufacture than all other dosage forms
 - ☒ 4. They enhance dissolution rates and bioavailability of the drug

Q.22 Which of the following best describes the difference between the alphabetical classification of drugs in the European Pharmacopoeia and the United States Pharmacopeia (U.S.P.)?

- Ans
- ☐ 1. Both use Latin names
 - ☐ 2. U.S.P. uses scientific names, European Pharmacopoeia uses common names
 - ☐ 3. Both use English names
 - ☒ 4. European Pharmacopoeia uses Latin names, U.S.P. uses English names

Q.23 Which of the following is NOT typically considered an Operational Qualification test for an HPLC unit?

- Ans
- ☐ 1. Detector wavelength accuracy
 - ☐ 2. Gradient linearity
 - ☐ 3. Pump flow rate
 - ☒ 4. Routine analytical tests

Q.24 What is the main goal of using rDNA technology in pharmaceuticals?

- Ans
- ☐ 1. To increase tablet size
 - ☐ 2. To change tablet color
 - ☐ 3. To improve taste of medicines
 - ☒ 4. To produce therapeutic proteins

Q.25 According to the code of pharmaceutical ethics, which of these statements is NOT allowed in advertising for medicines?

- Ans
- ☒ 1. Misleading claim
 - ☐ 2. Storage instructions
 - ☐ 3. Product origin
 - ☐ 4. Shelf-life information

Q.26 Which of the following is a commonly used antiplatelet drug?

- Ans
- ☐ 1. Paracetamol
 - ☒ 2. Aspirin
 - ☐ 3. Metformin
 - ☐ 4. Furosemide

Q.27 Aldehydes and ketones both undergo nucleophilic addition reactions. Which property do they both share that enables this reaction?

- Ans
- ☒ 1. Presence of a carbonyl group
 - ☐ 2. Presence of an alkene group
 - ☐ 3. Presence of an ether group
 - ☐ 4. Presence of a carboxyl group

Q.28 In the context of alphabetical classification, what is the primary advantage?

- Ans
- ☐ 1. Previous and successive drug entries are related
 - ☐ 2. Pharmacological action of drugs can be identified
 - ☒ 3. Easy retrieval of drug information
 - ☐ 4. Biological source can be traced

Q.29 Which organization establishes the Code of Pharmaceutical Ethics regarding advertising and displays in India?

- Ans
- ☒ 1. Pharmacy Council of India
 - ☐ 2. Indian Pharmacopoeia Commission
 - ☐ 3. Central Drugs Standard Control Organisation
 - ☐ 4. Medical Council of India

Q.30 Evaluate the following scenario: An elderly patient is prescribed a high-fibre diet for chronic constipation. Which precaution should be emphasized to avoid adverse effects?

- Ans
- ☐ 1. Restrict fibre intake if taking calcium supplements to prevent mineral binding interactions.
 - ☒ 2. Ensure adequate fluid intake to prevent gastrointestinal obstruction.
 - ☐ 3. Increase fibre intake rapidly to maximize benefits.
 - ☐ 4. Take fibre supplements immediately before bedtime to enhance overnight bowel movement.

Q.31 If a patient indicates myocardial infarction due to cocaine use, which etiological category does this fall under?

- Ans
- ☒ 1. Drug-induced ischemia
 - ☐ 2. Peripheral vascular disease
 - ☐ 3. Nonmodifiable risk factor
 - ☐ 4. Coronary artery anomaly

Q.32 What is the primary purpose of using chemical methods in sterilization?

- Ans
- ☒ 1. To eliminate microorganisms
 - ☐ 2. To improve nutrient content of media
 - ☐ 3. To remove visible dirt
 - ☐ 4. To remove toxic residues

Q.33 Which adverse effect is most commonly associated with the long-term use of antiplatelet drugs?

- Ans
- ☐ 1. Hyperglycemia
 - ☐ 2. Hypertension
 - ☒ 3. Bleeding
 - ☐ 4. Constipation

Q.34 If a chemist identifies a molecule as both a proton donor and an electron-pair acceptor, which two acid-base concepts does this relate to?

- Ans
- ☐ 1. Arrhenius and Lewis
 - ☐ 2. Arrhenius and Bronsted-Lowry
 - ☒ 3. Bronsted-Lowry and Lewis
 - ☐ 4. Earlier and Arrhenius

Q.35 Which statement best describes Bronsted acids in the context of acid catalysis?

- Ans
- ☐ 1. Bronsted acids are only H^+ ions
 - ☐ 2. Bronsted acids are always undissociated
 - ☐ 3. Bronsted acids are proton acceptors
 - ☒ 4. Bronsted acids are proton donors that can cause acid catalysis

Q.36 Which of the following best describes the composition of Schiff's reagent used in detecting aldehydes?

- Ans
- ☐ 1. Alkaline solution of cupric ion complexed with sodium potassium tartrate ions
 - ☐ 2. Ammoniacal solution of silver oxide
 - ☐ 3. Alkaline solution of cupric ion complexed with citrate ions
 - ☒ 4. Rosalinine hydrochloride dissolved in water

Q.37 Which of the following is considered ethical in pharmaceutical advertising according to the Code?

- Ans
- ☐ 1. Promoting off-label uses
 - ☐ 2. Comparing with non-pharmaceutical products
 - ☒ 3. Providing balanced information about drug use
 - ☐ 4. Concealing side effects

Q.38 Which of the following statements best describes the mechanism of acid-base catalysis in the hydrolysis of esters?

- Ans
- ☒ 1. A proton is transferred from the acid catalyst to the carbonyl oxygen, increasing electrophilicity and facilitating nucleophilic attack.
 - ☐ 2. The base catalyst adds a hydroxide ion to the ester, forming a stable intermediate that halts the reaction.
 - ☐ 3. The base catalyst removes a proton from the alcohol group, reducing nucleophilicity and inhibiting the reaction.
 - ☐ 4. The acid catalyst donates an electron pair to the carbonyl group, decreasing its reactivity.

Q.39 Which of the following acids has the lowest pKa value, indicating the highest acid strength?

Ans ☒ 1. Sulphuric acid

☐ 2. Citric acid

☐ 3. Acetic acid

☐ 4. Formic acid

Q.40 What is the influence of food in stomach on drug delivery system?

Ans ☒ 1. May alter the rate and extent of drug bioavailability

☐ 2. Change the enteric coating of drug

☐ 3. Change the intrinsic permeability of intestinal membrane

☐ 4. Alter the color of drug

Q.41 According to the Lewis acid-base concept, a Lewis acid is defined as a/an:

Ans ☐ 1. Proton acceptor

☒ 2. Electron acceptor

☐ 3. Proton donor

☐ 4. Electron donor

Q.42 A dietitian is tasked with planning meals for a client who needs increased stool bulk and also wants to help manage blood cholesterol. Which of the following combination of foods best meets both requirements?

Ans ☐ 1. Refined pasta and cheese

☐ 2. White bread and butter

☐ 3. Eggs and grilled chicken

☒ 4. Whole grain cereals and oats

Q.43 How can temperature fluctuations during storage destabilize a suspension?

- Ans
- ☒ 1. They can cause particle growth or Ostwald ripening, affecting particle size distribution and polymorphic form.
 - ☐ 2. They make all particles dissolve completely.
 - ☐ 3. They increase the viscosity of the suspension, making it more stable.
 - ☐ 4. They permanently eliminate all risks of particle caking.

Q.44 A pharmacist needs to distinguish between an unknown sample of aldehyde and ketone. Which chemical test would provide a positive result only for aldehydes and not for ketones?

- Ans
- ☐ 1. Schiff's test
 - ☒ 2. Tollen's reagent test
 - ☐ 3. Sodium nitroprusside test
 - ☐ 4. Iodoform test

Q.45 A consumer's negative experience with side effects from a drug leads to avoidance of all similar products. Which characteristic explains this behavior?

- Ans
- ☐ 1. Preference for attractive packaging
 - ☐ 2. Increased price sensitivity toward medicines
 - ☐ 3. Influence of celebrity endorsement
 - ☒ 4. Influence of past experience on future choices

Q.46 Methotrexate and Riboflavin are unsuitable for sustained release because they are absorbed through:

- Ans
- ☐ 1. Paracellular diffusion
 - ☐ 2. Passive diffusion
 - ☒ 3. Active transport
 - ☐ 4. Pinocytosis

Q.47 A pharmacy student is given a list of medicinal plants and asked to organize them for quick reference in a drug store. Which classification system should he use to ensure drugs are easy to locate ?

- Ans
- ☒ 1. Alphabetical classification
 - ☐ 2. Chemical classification
 - ☐ 3. Taxonomical classification
 - ☐ 4. Morphological classification

Q.48 Which of the following are used as in-vitro anticoagulants?

- Ans
- ☐ 1. Indandione derivatives
 - ☐ 2. Coumarin derivatives
 - ☐ 3. Phenindione
 - ☒ 4. Calcium complexing agents

Q.49 Which of the following is a typical symptom of acute myocardial infarction that helps distinguish it from angina pectoris?

- Ans
- ☒ 1. Sudden severe chest pain lasting more than 20 minutes
 - ☐ 2. Pain only during deep breathing
 - ☐ 3. Chest pain relieved by rest
 - ☐ 4. Mild chest discomfort after exercise

Q.50 Which property makes glutaraldehyde suitable for sterilizing medical equipment?

- Ans
- ☐ 1. Low boiling point for easy evaporation
 - ☐ 2. Selective activity against spores only
 - ☒ 3. Broad-spectrum antimicrobial action including spores
 - ☐ 4. Narrow-spectrum antimicrobial action

Q.51 Which of the following best defines a drug?

- Ans
- ☐ 1. A substance that causes addiction
 - ☐ 2. A nutrient essential for growth
 - ☐ 3. A chemical used in laboratory experiments
 - ☒ 4. A substance used to diagnose, prevent, or treat diseases

Q.52 Which compounds react with the oxidized form of cytochrome oxidase?

- Ans
- ☒ 1. Cyanide and azide
 - ☐ 2. Antimycin A and BAL
 - ☐ 3. Rotenone and amytal
 - ☐ 4. Carbon monoxide and piercidin A

Q.53 A patient receives a subcutaneous drug injection. To enhance drug absorption, the nurse co-administers hyaluronidase. What is the primary effect of this enzyme?

- Ans
- ☐ 1. It decreases blood flow to the site
 - ☒ 2. It increases drug-tissue contact area by breaking down connective tissue
 - ☐ 3. It induces local vasoconstriction
 - ☐ 4. It promotes drug precipitation at the site

Q.54 A pharmacist is tasked with choosing an appropriate indicator for titrating a weak acid with a strong base. Which factor should most influence their choice?

- Ans
- ☐ 1. The cost of the indicator
 - ☐ 2. The color of the indicator
 - ☐ 3. The container material used
 - ☒ 4. The pH range at the equivalence point

Q.55 What is the sequence of the four stages of equipment qualification as per ICH and US FDA guidelines, which ensures reliability during manufacturing?

- Ans
- ☐ 1. Installation, performance, operational & design
 - ☐ 2. Design, installation, performance & operational
 - ☐ 3. Installation, operational, performance & design
 - ☒ 4. Design, installation, operational & performance

Q.56 Which initial step is involved in the preparation of Arista according to Ayurvedic formulation?

- Ans
- ☐ 1. Adding honey at the beginning
 - ☐ 2. Directly fermenting whole herbs
 - ☒ 3. Coarsely powdering the drugs and preparing kasaya
 - ☐ 4. Dissolving sugar in water

Q.57 In a clinical scenario where bacteria produce aminoglycoside acetyltransferase, which aminoglycoside would likely retain efficacy and why?

- Ans
- ☐ 1. Neomycin, due to its high polarity
 - ☐ 2. Gentamicin, because it has no amino groups
 - ☒ 3. Amikacin, due to its L-hydroxyaminobutyryl group at N-1
 - ☐ 4. Streptomycin, due to absence of 2-deoxystreptamine nucleus

Q.58 Why is the kasaya strained before being kept in the fermentation vessel during Arista preparation?

- Ans
- ☐ 1. To increase temperature rapidly
 - ☒ 2. To remove solid particles and obtain a clear liquid for fermentation
 - ☐ 3. To reduce sugar content
 - ☐ 4. To initiate fermentation early

Q.59 What is the recognition sequence for the restriction endonuclease EcoRI?

- Ans
- ☐ 1. CCTAGG
 - ☒ 2. GAATTC
 - ☐ 3. ATCGAT
 - ☐ 4. GCGCGC

Q.60 What best describes a proprietary (brand) name in pharmacology?

- Ans
- ☒ 1. It is the name given by the manufacturer and is their trademark.
 - ☐ 2. It is the chemical structure name of the drug.
 - ☐ 3. It is the name given by the government agency.
 - ☐ 4. It is the universally accepted scientific name.

Q.61 Which of the following is an irreversible instability in emulsions?

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

Q.62 During an acid-base titration, a student uses a weak acid and a strong base. What will be the pH at the equivalence point?

- Ans
- ☐ 1. Depends on initial concentration of acid
 - ☒ 2. Greater than 7
 - ☐ 3. Exactly 7
 - ☐ 4. Less than 7

Q.63 Which parameter is affected when an acid catalyst is added to a reaction?

- Ans
- ☐ 1. Temperature
 - ☐ 2. Enthalpy change
 - ☒ 3. Activation energy
 - ☐ 4. Free energy

Q.64 What is a key advantage of rectal drug administration compared to oral?

- Ans
- ☐ 1. It always has faster onset than intravenous
 - ☐ 2. It is suitable for all drugs
 - ☐ 3. It eliminates all first-pass metabolism
 - ☒ 4. It can be used when a patient is vomiting

Q.65 Which of the following ICH guidelines covers the design and conduct of clinical trials for herbal drugs?

- Ans
- ☐ 1. Multidisciplinary (M) Guidelines
 - ☐ 2. Quality (Q) Guidelines
 - ☒ 3. Efficacy (E) Guidelines
 - ☐ 4. Safety (S) Guidelines

Q.66 Which activity is specifically included under the Quality Guidelines for herbal drug assessment?

- Ans
- ☐ 1. Preparation of Common Technical Document
 - ☐ 2. Genotoxicity studies
 - ☐ 3. Clinical trial conduct
 - ☒ 4. Botanical identification

Q.67 Which of the following is commonly used as a neutral preservative in monophasic liquid dosage forms?

- Ans
- ☐ 1. Phenol
 - ☐ 2. Benzoic acid
 - ☒ 3. Benzyl alcohol
 - ☐ 4. Methyl paraben

Q.68 Which of the following routes is considered a non per oral extravascular route for drug absorption?

- Ans
- ☐ 1. Gastric
 - ☒ 2. Buccal
 - ☐ 3. Oral
 - ☐ 4. Intravenous

Q.69 In the context of dietary fibres and complex carbohydrates, which health claim is most strongly supported by scientific evidence?

- Ans
- ☒ 1. Dietary fibre intake reduces the risk of coronary heart disease.
 - ☐ 2. Complex carbohydrates lead to insulin resistance when consumed in high amounts.
 - ☐ 3. Dietary fibre causes permanent weight loss without diet modification.
 - ☐ 4. All dietary fibres are completely digested in the small intestine.

Q.70 In the context of pharmaceutical marketing, how does a consumer's self-concept most likely influence their buying behaviour?

- Ans
- ☐ 1. It prevents information processing about products.
 - ☐ 2. It always leads to impulse purchases.
 - ☒ 3. It shapes preferences for products that align with their self-image.
 - ☐ 4. It has no effect on product involvement.

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)

- 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 P2Y₁ 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