Govt of Himachal Pradesh
Himachal Pradesh Higher Private Aayog
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Assessment Name	Qualification test for the post of Trained Graduate
Candidate's ID	
Roll No.	
Candidate Name	
Father's Name	
Date of Birth	
Email	

15/12/2025 Shift 12:00 PM - 2:00 PM Shift 2 Himexam.com)

Candidate Exam Day Photograph	

Section Name: Himachal Pradesh and Themes Based MCQ

Q1. The adult worms of Wuchereria bancrofti inhabit the:
- A. Intestine
- B. Lymphatics*
- C. Lymph vessels and lymph nodes
- D. Liver sinusoids

Q2. Heliconius armigera belongs to which order of insects?
- A. Hymenoptera
- B. Coleoptera
- C. Lepidoptera*
- D. Diptera

Q3. Select the most appropriate synonym of the underlined word in the given sentence.
The police tried hard to coerce the suspect into confessing, but he remained silent.
- A. Force*
- B. Love
- C. Trust
- D. Forget

Q4. What was Himachal Pradesh's economic growth rate in the financial year 2020-21, as reported in the State's Economic Survey 2024-25?
- A. 3.8%
- B. 4.2%
- C. 5.6%
- D. 6.1%*

Q5. For a declarative sentence, the following statements is true regarding its structure:
- A. It has a subject and a predicate*
- B. It has a subject only
- C. It has a predicate only

Q6. Which of the following is applied without making any contact between two objects?
- A. Contact force
- B. Magnetic force*
- C. Friction

Q7. Based on the English alphabetical order, three of the following pairs are alike in a certain way and one pair is not alike. Find out the odd pair.
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the pair.)
- A. IP : KR
- B. LT : NW
- C. EH : GJ*
- D. QV : SX

Q8. Which of the following d block ions is diamagnetic?
- A. Cu^{2+}
- B. Ti^{3+}
- C. Sc^{3+}*
- D. Ni^{2+}

Q9. The first cleavage in mammals is:
- A. Discoidal
- B. Holoblastic and unequal
- C. Holoblastic and equal*
- D. Meroblastic

Q10. Which of the following is the most essential principle of an effective classroom?
- A. Strict punishment for every mistake
- B. Clear and consistent rules*
- C. Long lectures without breaks
- D. Avoiding student questions

Q11. The type of cleavage in the adult echinoderms is:
- A. Spiral
- B. Radial*
- C. Bilateral
- D. Rotational

Q12. Which of the following statements about Protista is INCORRECT?
- A. Flowers of Phaseolus vulgaris are generally yellowish.
- B. Flowers of Abelmoschus esculentus are solitary.
- C. Flowers of Solanum melongena are in cymose inflorescence.*
- D. Flowers of Abelmoschus esculentus are bisexual.

Q13. Evaluate the Assertion (A) and Reason (R) based on facts and define the relationship between both.
(A): Metals like sodium and magnesium generally act as reducing agents in organic reactions.
(R): Metals tend to lose electrons due to their low ionization energies.
- A. Both A and R are true, R does not explain A.
- B. Both A and R are true and R explains A.*
- C. A is true but R is false.
- D. A is false but R is true.

Q14. Among these compounds, where is back bonding most significant?
- A. BF_3
- B. BCl_3
- C. BBr_3
- D. BH_3*

Q15. Which mammalian feature is directly associated with homeothermy?
- A. Completely divided heart
- B. Four-chambered heart*
- C. Single circulation
- D. Two-chambered heart

Q16. Match the following ecological factors of crossopia and its effects:

A. Mineral salt	1. Needs a relatively short or long day length for flowering
B. Water	2. Needs in a relatively small amount for growth
C. Photoperiodism	3. Needs in a relatively large amount for growth
D. Macronutrients	4. Needs a relatively short or long day length for flowering
E. Micronutrients	5. Needs in a relatively small amount for growth
F. Short day	6. Needs in a relatively large amount for growth
G. Long day	7. Flowers are successively formed when conditions are favourable

- A. A-2, B-3, C-4, D-5, E-6, F-7, G-1
- B. A-3, B-2, C-1, D-6, E-5, F-4, G-7
- C. A-2, B-3, C-4, D-6, E-5, F-7, G-1*
- D. A-3, B-2, C-1, D-5, E-6, F-4, G-7

Q17. Which of the following ions variables is most suitable for saline soil conditions in India?
- A. Ca^{2+}
- B. Na^{+}*
- C. K^{+}
- D. Mg^{2+}

Q18. The radius of a cation is always smaller than its parent atom because _____.
- A. Cation charge increases
- B. Cation loses valence electrons*
- C. Cation gains valence electrons
- D. Electron clouds repulsion increase

Q19. Oncarboxylic acid cycle is one type of _____.
- A. Cleavage
- B. Metamorphosis
- C. Larva
- D. Development*

Q20. Which of the following plants has high antibacterial properties?
- A. Cissus Tetrandra agent
- B. Cissus Quadrangularis*
- C. Cissus Vitaceae agent
- D. Cissus Cissaceae family

Q21. Who among the following first proposed the chromosomal theory of inheritance?
- A. Gregor Mendel
- B. Thomas Hunt Morgan
- C. Walter Sutton and Theodor Boveri*
- D. Hugo de Vries

Q22. Match the following plants, which are found in different phytogeographic zones.

Cedar, Deodar	Mountain vegetation
Sal, Teak	Tropical deciduous
Mangrove	Salt tolerant

- A. A-2, B-1, C-3, D-4
- B. A-1, B-2, C-3, D-4*
- C. A-3, B-1, C-2, D-4
- D. A-4, B-3, C-2, D-1

Q23. Which enzyme is responsible in the formation of brown colour when a cut apple is exposed to oxygen from the air?
- A. Peroxidase
- B. Catalase
- C. Phenolase
- D. Polyphenol oxidase*

Q24. Which of the following types of fungus are characteristic of plants?
- A. Saprophytic
- B. Parasitic
- C. Symbiotic*
- D. Pathogenic

Q25. Match the following forms of literature with their correct famous that are limited to plant identification.

Manual	Book of information, especially having facts for reference, or instructions for use, usually in the form of a small book
Monograph	A genus or a family, consisting of all species known to occur in a given area

- A. A-1, B-2, C-3, D-4
- B. A-2, B-1, C-3, D-4*
- C. A-3, B-1, C-2, D-4
- D. A-4, B-3, C-2, D-1

Q26. When was National Rural Health Mission launched by the Government of India?
- A. 2003
- B. 2005
- C. 2007
- D. 2009

Q27. What is the term used for fungi that requires two different, unrelated host plants to complete their full life cycle?
- A. Monocyclic fungi
- B. Heterocyclic fungi*
- C. Dimorphic fungi

Q28. Which of the following tourist places is described as being part of a 'cold desert' where the monsoon rain never comes?
- A. Shimla
- B. Spiti*
- C. Dharamshala

Q29. Select the name of the nuclear division that is the process leading to the formation of gametes during the reproductive cycle of an organism.
- A. Mitosis
- B. Meiosis*
- C. Binary fission
- D. Budding

Q30. Which of the following factors DOES NOT significantly affect the atomic size of an element?
- A. Number of electrons
- B. Nuclear charge
- C. Electron-electron repulsion
- D. Electron-electron repulsion*

Q31. _____ is one of the primary ingredients of herbal drug Sulfet used for cough and various respiratory disorders.
- A. Cissus Quadrangularis
- B. Cissus Vitaceae
- C. Cissus Africana
- D. Cissus Rotundifolia*

Q32. The unique feature of the situation in Ginkgo biloba, as mentioned in the passage, is _____.
- A. the presence of both male and female reproductive organs on the same tree
- B. the absence of male reproductive organs
- C. the presence of female reproductive organs*
- D. the absence of seeds

Q33. What is the most significant advantage of micropropagation, one of the most popular applications of tissue culture?
- A. It is more time consuming and requires more sophisticated equipment and environment.
- B. It is a slow process that requires a large amount of space and specialized equipment.
- C. It is a rapid process that can produce a large number of plants in a small space.*
- D. It is a process that requires a lot of space and does not produce many plants.

Q34. Bacteriophytes are also called _____.
- A. Algae
- B. Viruses*
- C. Green algae
- D. Green algae

Q35. Fungi are examples of which type of organisms?
- A. Autotrophic
- B. Heterotrophic*
- C. Chemical
- D. Chemical

Q36. The accessory pigment chlorophyll b differs from chlorophyll a in having:
- A. Chlorophyllin
- B. Chlorophyllide
- C. Chlorophyllase
- D. Chlorophyllase*

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Q. The Chinook is the warmest dog
A. It is warmest
B. It is warmest dog
C. It is warmest dog in the world

Answer Type: MCQ
Question ID: 4444444444
Option 1 ID: 4444444445
Option 2 ID: 4444444446
Option 3 ID: 4444444447
Option 4 ID: 4444444448
Status: Not Answered
Chosen Option:

Q. What was the score of India in Sustainable Development Goals Index 2020?
A. 117
B. 118
C. 119
D. 120

Answer Type: MCQ
Question ID: 4444444449
Option 1 ID: 4444444450
Option 2 ID: 4444444451
Option 3 ID: 4444444452
Option 4 ID: 4444444453
Status: Not Answered
Chosen Option:

Q. Which of the following Botanical gardens possess Rhododendrons, Victoria amazonica and Welwitschia mirabilis?
A. Lalbagh Botanical Garden, Bengaluru
B. Indian Botanic Garden, Howrah
C. Rose Botanical garden, Pune
D. Botanical Research garden, Delhi

Answer Type: MCQ
Question ID: 4444444454
Option 1 ID: 4444444455
Option 2 ID: 4444444456
Option 3 ID: 4444444457
Option 4 ID: 4444444458
Status: Not Answered
Chosen Option:

Q. Which instructional material best represents a teacher-centred approach?
A. Textbook
B. Computer
C. Internet
D. Video

Answer Type: MCQ
Question ID: 4444444459
Option 1 ID: 4444444460
Option 2 ID: 4444444461
Option 3 ID: 4444444462
Option 4 ID: 4444444463
Status: Not Answered
Chosen Option:

Q. Which of the following shows Himachal Pradesh's status changes in chronological order after Independence?
A. Part C State → Union Territory → Part B State → Full Statehood
B. Part C State → Union Territory → Part B State → Full Statehood
C. Part C State → Union Territory → Part B State → Full Statehood
D. Part C State → Union Territory → Part B State → Full Statehood

Answer Type: MCQ
Question ID: 4444444464
Option 1 ID: 4444444465
Option 2 ID: 4444444466
Option 3 ID: 4444444467
Option 4 ID: 4444444468
Status: Not Answered
Chosen Option:

Q. Which of the following is the best method to control water hyacinth in freshwater domestic ponds?
A. Chemical spraying
B. Introducing fish that eat it
C. Draining the pond
D. Burning the plants

Answer Type: MCQ
Question ID: 4444444469
Option 1 ID: 4444444470
Option 2 ID: 4444444471
Option 3 ID: 4444444472
Option 4 ID: 4444444473
Status: Not Answered
Chosen Option:

Q. All amino acids found in proteins are:
A. Essential for humans, including histidine and arginine
B. Found only in animal tissues, not in plant proteins
C. Classified as either essential or non-essential
D. Able to be synthesized in the body from simple carbohydrates

Answer Type: MCQ
Question ID: 4444444474
Option 1 ID: 4444444475
Option 2 ID: 4444444476
Option 3 ID: 4444444477
Option 4 ID: 4444444478
Status: Not Answered
Chosen Option:

Q. If the equilibrium constant is K = 10², in which direction does the equilibrium position lie?
A. To the right
B. To the left
C. In the middle
D. It does not lie

Answer Type: MCQ
Question ID: 4444444479
Option 1 ID: 4444444480
Option 2 ID: 4444444481
Option 3 ID: 4444444482
Option 4 ID: 4444444483
Status: Not Answered
Chosen Option:

Q. When do social divisions become a threat to democracy?
A. When they are based on caste
B. When citizens are unaware
C. When they are engaged in healthy debate
D. When they are challenged by opposition parties

Answer Type: MCQ
Question ID: 4444444484
Option 1 ID: 4444444485
Option 2 ID: 4444444486
Option 3 ID: 4444444487
Option 4 ID: 4444444488
Status: Not Answered
Chosen Option:

Q. Identify the correct sentence. "ଯିଏ ଯେତେ ପରିଶ୍ରମ କରିବ ସେ ସେତେ ଅଧିକ ଫଳ ପାଇବ।"
A. ଯିଏ
B. ଯେତେ
C. ପରିଶ୍ରମ
D. ଫଳ

Answer Type: MCQ
Question ID: 4444444489
Option 1 ID: 4444444490
Option 2 ID: 4444444491
Option 3 ID: 4444444492
Option 4 ID: 4444444493
Status: Not Answered
Chosen Option:

Q. Select the most appropriate option to complete the sentence.
She is ___ ambitious person who always sets high goals.
A. a
B. an
C. the
D. –

Answer Type: MCQ
Question ID: 4444444494
Option 1 ID: 4444444495
Option 2 ID: 4444444496
Option 3 ID: 4444444497
Option 4 ID: 4444444498
Status: Not Answered
Chosen Option:

Q. Which of the given statements about chemisorption is correct?
A. It is a reversible process
B. It is always exothermic and spontaneous
C. It is always reversible
D. It is usually monolayer or multilayer adsorption

Answer Type: MCQ
Question ID: 4444444499
Option 1 ID: 4444444500
Option 2 ID: 4444444501
Option 3 ID: 4444444502
Option 4 ID: 4444444503
Status: Not Answered
Chosen Option:

Q. What is a common ICT tool used for delivering online courses and tracking student progress?
A. Learning Management System (LMS)
B. Face Masksbook
C. Video Player
D. Cyber Security and Ethical Hacking (CEH)

Answer Type: MCQ
Question ID: 4444444504
Option 1 ID: 4444444505
Option 2 ID: 4444444506
Option 3 ID: 4444444507
Option 4 ID: 4444444508
Status: Not Answered
Chosen Option:

Q. Which of the following operations achieved major success by Odisha Mining Corp 6.09 lakh Crore Railway Ivolins mining at the Kudhkuja river mouth in Odisha during February 2020?
A. Iron ore
B. Coal
C. Uranium Ore
D. Limestone Ore

Answer Type: MCQ
Question ID: 4444444509
Option 1 ID: 4444444510
Option 2 ID: 4444444511
Option 3 ID: 4444444512
Option 4 ID: 4444444513
Status: Not Answered
Chosen Option:

Q. The order Chelonia/Testudines is unique because its members have:
A. Scales instead of feathers
B. Fused ribs and sternum
C. Three-chambered hearts
D. Feathered wings

Answer Type: MCQ
Question ID: 4444444514
Option 1 ID: 4444444515
Option 2 ID: 4444444516
Option 3 ID: 4444444517
Option 4 ID: 4444444518
Status: Not Answered
Chosen Option:

Q. Who received the Bharat Ratna award in January 2020 for contributions to the Chipko movement?
A. Uma Bharti
B. Gaura Devi
C. Sunderlal Bahuguna
D. Anna Hazare

Answer Type: MCQ
Question ID: 4444444519
Option 1 ID: 4444444520
Option 2 ID: 4444444521
Option 3 ID: 4444444522
Option 4 ID: 4444444523
Status: Not Answered
Chosen Option:

Q. Which of the following electrical appliances functions due to the heating effect of current?
A. Electric fan
B. Electric iron
C. Electric bell
D. Transformer

Answer Type: MCQ
Question ID: 4444444524
Option 1 ID: 4444444525
Option 2 ID: 4444444526
Option 3 ID: 4444444527
Option 4 ID: 4444444528
Status: Not Answered
Chosen Option:

Q. The idea that development CANNOT be compartmentalised into separate areas such as health, nutrition and education implies that:
A. Each area develops best when isolated from the others
B. Progress in one area will automatically lead to progress in all others
C. Focusing on one area may create problems in another
D. Development is the sum of separate, unrelated achievements

Answer Type: MCQ
Question ID: 4444444529
Option 1 ID: 4444444530
Option 2 ID: 4444444531
Option 3 ID: 4444444532
Option 4 ID: 4444444533
Status: Not Answered
Chosen Option:

Q. Which amino acids contain sulfur in their side chains?
A. Lysine and Arginine
B. Cysteine and Methionine
C. Serine and Threonine
D. Aspartic acid and Glutamic acid

Answer Type: MCQ
Question ID: 4444444534
Option 1 ID: 4444444535
Option 2 ID: 4444444536
Option 3 ID: 4444444537
Option 4 ID: 4444444538
Status: Not Answered
Chosen Option:

Q. Among the following, which part will show the same elevation as boiling point for the same concentration?
A. 0.1 M NaCl
B. 0.1 M Urea
C. 0.05 M NaCl
D. 0.05 M Urea

Answer Type: MCQ
Question ID: 4444444539
Option 1 ID: 4444444540
Option 2 ID: 4444444541
Option 3 ID: 4444444542
Option 4 ID: 4444444543
Status: Not Answered
Chosen Option:

Q. In which year was the Murali bird replaced as the State Bird of Arunachal Pradesh?
A. 1987
B. 1986
C. 1988
D. 1989

Answer Type: MCQ
Question ID: 4444444544
Option 1 ID: 4444444545
Option 2 ID: 4444444546
Option 3 ID: 4444444547
Option 4 ID: 4444444548
Status: Not Answered
Chosen Option:

Q. Which of the following is a gravimetric factor?
A. Factor = Molar mass of analyte / Molar mass of precipitate
B. Factor = Molar mass of analyte to precipitate
C. Factor = Molar mass of analyte / Molar mass of precipitate
D. Factor = Molar mass of precipitate / Molar mass of analyte

Answer Type: MCQ
Question ID: 4444444549
Option 1 ID: 4444444550
Option 2 ID: 4444444551
Option 3 ID: 4444444552
Option 4 ID: 4444444553
Status: Not Answered
Chosen Option:

Q. SHGs help members by promoting which of the following?
A. Financial dependence on banks
B. Social isolation and reduced confidence
C. Skill development and collective action
D. Legal disputes among members

Answer Type: MCQ
Question ID: 4444444554
Option 1 ID: 4444444555
Option 2 ID: 4444444556
Option 3 ID: 4444444557
Option 4 ID: 4444444558
Status: Not Answered
Chosen Option:

Q. Which of the following is the infective stage of Ancylostoma duodenale in humans?
A. Filariform larva
B. Egg
C. Rhabditiform larva
D. Miracidium larva

Answer Type: MCQ
Question ID: 4444444559
Option 1 ID: 4444444560
Option 2 ID: 4444444561
Option 3 ID: 4444444562
Option 4 ID: 4444444563
Status: Not Answered
Chosen Option:

Q. Which fibrous protein is found in the outer layers of the skin and makes the skin a strong protective layer to the outside environment?
A. Keratin
B. Collagen
C. Elastin
D. Fibrin

Answer Type: MCQ
Question ID: 4444444564
Option 1 ID: 4444444565
Option 2 ID: 4444444566
Option 3 ID: 4444444567
Option 4 ID: 4444444568
Status: Not Answered
Chosen Option:

Q. Study of communities, their composition, their behaviour and relation with the environment is called _____.
A. Ecosystem
B. Community ecology
C. Individual ecology
D. Synecology

Answer Type: MCQ
Question ID: 4444444569
Option 1 ID: 4444444570
Option 2 ID: 4444444571
Option 3 ID: 4444444572
Option 4 ID: 4444444573
Status: Not Answered
Chosen Option:

Q. Do ry cue b ejjdbu ewz ax nnsvdtdi ruf q ?
A. qyu
B. ewz
C. fsq
D. –

Answer Type: MCQ
Question ID: 4444444574
Option 1 ID: 4444444575
Option 2 ID: 4444444576
Option 3 ID: 4444444577
Option 4 ID: 4444444578
Status: Not Answered
Chosen Option:

Q. The life cycle of nearly all _____ is completed in a single year.
A. Annuals
B. Perennials
C. Biennials
D. Herbs

Answer Type: MCQ
Question ID: 4444444579
Option 1 ID: 4444444580
Option 2 ID: 4444444581
Option 3 ID: 4444444582
Option 4 ID: 4444444583
Status: Not Answered
Chosen Option:

Q. Which of the following correctly represents the change in colour of a transition metal complex, according to Crystal Field Theory?
A. Ligands with stronger fields absorb longer wavelengths of light
B. The complex appears blue if it absorbs red light
C. Ligands with weaker fields absorb shorter wavelengths of light
D. Color is invisible; the absorbed wavelength decreases

Answer Type: MCQ
Question ID: 4444444584
Option 1 ID: 4444444585
Option 2 ID: 4444444586
Option 3 ID: 4444444587
Option 4 ID: 4444444588
Status: Not Answered
Chosen Option:

Q. Which type of parasitism involves a parasite that ultimately kills its host as part of its developmental process?
A. Commensalism
B. Mutualism
C. Parasitoidism
D. Phoresy

Answer Type: MCQ
Question ID: 4444444589
Option 1 ID: 4444444590
Option 2 ID: 4444444591
Option 3 ID: 4444444592
Option 4 ID: 4444444593
Status: Not Answered
Chosen Option:

Q. In what way does disciplinary knowledge bridge school education with higher education and professional practice?
A. It forces school students to follow the same rigid rules as university students
B. It helps students understand how knowledge is created and used in the real world
C. It encourages students to memorise as much information as possible
D. It discourages students from asking questions and challenging ideas

Answer Type: MCQ
Question ID: 4444444594
Option 1 ID: 4444444595
Option 2 ID: 4444444596
Option 3 ID: 4444444597
Option 4 ID: 4444444598
Status: Not Answered
Chosen Option:

Q. Which of the following point mutations results in the formation of a premature stop codon?
A. Missense mutation
B. Nonsense mutation
C. Silent mutation
D. Frameshift mutation

Answer Type: MCQ
Question ID: 4444444599
Option 1 ID: 4444444600
Option 2 ID: 4444444601
Option 3 ID: 4444444602
Option 4 ID: 4444444603
Status: Not Answered
Chosen Option:

Q. Which communication channel is considered the most effective for complex messages?
A. Written memo
B. Face-to-face conversation
C. Telephone call
D. Video conference

Answer Type: MCQ
Question ID: 4444444604
Option 1 ID: 4444444605
Option 2 ID: 4444444606
Option 3 ID: 4444444607
Option 4 ID: 4444444608
Status: Not Answered
Chosen Option:

Q. Raw classified occupations based on:
A. Occupation, Industry, Status
B. Industry, Status, Level of education
C. Occupation, Industry, Level of education
D. Area, Industry, Age

Answer Type: MCQ
Question ID: 4444444609
Option 1 ID: 4444444610
Option 2 ID: 4444444611
Option 3 ID: 4444444612
Option 4 ID: 4444444613
Status: Not Answered
Chosen Option:

Q. Evaluate the Assertion (A) and Reason (R) based on facts and define the relationship between both.
Assertion (A): Ecological succession is a process of gradual and unidirectional, generally proceed faster in tundra ecosystem.
(R): The rooting group in tundra is an electron-donating group, which increases the electron density on the benzene ring.
A. A is true but R is false.
B. A is false but R is true.
C. Both A and R are true and the correct explanation of A.
D. Both A and R are true but R is not the correct explanation of A.

Answer Type: MCQ
Question ID: 4444444614
Option 1 ID: 4444444615
Option 2 ID: 4444444616
Option 3 ID: 4444444617
Option 4 ID: 4444444618
Status: Not Answered
Chosen Option:

Q. When 2.5 mol of a non-volatile solute is dissolved in 555 g of water, the depression in freezing point of the solution will be:
Given: Kf for water=1.86°C/mol
A. 3.72°C
B. 7.44°C
C. 1.86°C
D. 5.58°C

Answer Type: MCQ
Question ID: 4444444619
Option 1 ID: 4444444620
Option 2 ID: 4444444621
Option 3 ID: 4444444622
Option 4 ID: 4444444623
Status: Not Answered
Chosen Option:

Q. According to the Langmuir adsorption theory, which of the given statements about monolayer coverage is correct?
A. It occurs when the surface is only partially covered
B. It is independent of the pressure of the gas
C. It occurs when the surface is covered with a single layer of adsorbate molecules
D. It occurs when there is no change in the surface area

Answer Type: MCQ
Question ID: 4444444624
Option 1 ID: 4444444625
Option 2 ID: 4444444626
Option 3 ID: 4444444627
Option 4 ID: 4444444628
Status: Not Answered
Chosen Option:

Q. What is a common challenge faced during curriculum implementation?
A. Lack of teacher training
B. Excessive time for assessment
C. Overabundance of qualified teachers
D. Limited student participation

Answer Type: MCQ
Question ID: 4444444629
Option 1 ID: 4444444630
Option 2 ID: 4444444631
Option 3 ID: 4444444632
Option 4 ID: 4444444633
Status: Not Answered
Chosen Option:

Q. Chu fya ter ozmy _____ ? Identify the missing potential fly:
A. ozmy
B. ter
C. fya
D. Chu

Answer Type: MCQ
Question ID: 4444444634
Option 1 ID: 4444444635
Option 2 ID: 4444444636
Option 3 ID: 4444444637
Option 4 ID: 4444444638
Status: Not Answered
Chosen Option:

Q. Which of the following conditions increases the rate of adsorption of a gas on a solid surface?
A. Increasing the surface area of the solid
B. Decreasing the temperature
C. Decreasing the pressure of the gas
D. Increasing the volume of the container

Answer Type: MCQ
Question ID: 4444444639
Option 1 ID: 4444444640
Option 2 ID: 4444444641
Option 3 ID: 4444444642
Option 4 ID: 4444444643
Status: Not Answered
Chosen Option:

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Answer Key: 4
Question ID: 4444444444
Option 1D: 4444444445
Option 2D: 4444444446
Option 3D: 4444444447
Option 4D: 4444444448
Status: Answered

Q6 The constitutional basis for free and compulsory education under the Right to Education Act is derived from which Directive Principle?

A. Article 39
B. Article 45
C. Article 47
D. Article 51

Answer Key: 4
Question ID: 4444444449
Option 1D: 4444444450
Option 2D: 4444444451
Option 3D: 4444444452
Option 4D: 4444444453
Status: Answered

Q7 As per the Economic Survey of Himachal Pradesh 2024-25, what was GSDP growth rate (at the state) in 2024-25?

A. 7.8%
B. 8.2%
C. 9.0%
D. 10.5%

Answer Key: 4
Question ID: 4444444454
Option 1D: 4444444455
Option 2D: 4444444456
Option 3D: 4444444457
Option 4D: 4444444458
Status: Answered

Q8 Which of the following is the quality of professional ethics?

A. Corporate
B. Fair
C. Loyalty
D. Liability

Answer Key: 4
Question ID: 4444444459
Option 1D: 4444444460
Option 2D: 4444444461
Option 3D: 4444444462
Option 4D: 4444444463
Status: Answered

Q9 The media cavity of mucilage is primarily concerned with:

A. Digestion
B. Transport and storage
C. Excretion
D. Locomotion

Answer Key: 4
Question ID: 4444444464
Option 1D: 4444444465
Option 2D: 4444444466
Option 3D: 4444444467
Option 4D: 4444444468
Status: Answered

Q10 Select the most appropriate option to fill in the blank. Strange spores _____ silence seem to separate one period of activity from another.

A. of
B. in
C. on
D. from

Answer Key: 4
Question ID: 4444444469
Option 1D: 4444444470
Option 2D: 4444444471
Option 3D: 4444444472
Option 4D: 4444444473
Status: Answered

Q11 Vitamin C functions which metal ion?

A. Fe
B. Ni
C. Co
D. Cu

Answer Key: 4
Question ID: 4444444474
Option 1D: 4444444475
Option 2D: 4444444476
Option 3D: 4444444477
Option 4D: 4444444478
Status: Answered

Q12 The pupal stage in holometabolous insects functions primarily for:

A. Feeding and growth
B. Reproduction and sexual maturation
C. Reproduction
D. Metamorphosis and resting stage

Answer Key: 4
Question ID: 4444444479
Option 1D: 4444444480
Option 2D: 4444444481
Option 3D: 4444444482
Option 4D: 4444444483
Status: Answered

Q13 Which of the following is NOT correct about the comparison of acidic and basic strength?

A. Electron withdrawing group increases the acidic strength
B. Electron donating group increases the acidic strength
C. Basic character increases down the group in the same family
D. Electron withdrawing group decreases the acidic strength

Answer Key: 4
Question ID: 4444444484
Option 1D: 4444444485
Option 2D: 4444444486
Option 3D: 4444444487
Option 4D: 4444444488
Status: Answered

Q14 What is the term for a child who learns correct teaching behaviours?

A. Co-teacher
B. Co-teacher
C. Co-teacher
D. Co-teacher

Answer Key: 4
Question ID: 4444444489
Option 1D: 4444444490
Option 2D: 4444444491
Option 3D: 4444444492
Option 4D: 4444444493
Status: Answered

Q15 Which of the following is one of the diagnostic features of angiosperms?

A. Triple fusion
B. Presence of vessels
C. Double fertilization
D. Naked ovules

Answer Key: 4
Question ID: 4444444494
Option 1D: 4444444495
Option 2D: 4444444496
Option 3D: 4444444497
Option 4D: 4444444498
Status: Answered

Q16 The body wall of coelenterates is composed of:

A. Chitin and lipids
B. Cellulose and calcium carbonate crystals
C. Lipids only
D. Only mesenchymal tissue

Answer Key: 4
Question ID: 4444444499
Option 1D: 4444444500
Option 2D: 4444444501
Option 3D: 4444444502
Option 4D: 4444444503
Status: Answered

Q17 Refer to the following letter series and answer the question that follows. Counting is to done from left to right only. A B C D E F G H I J K L M N O P Q R S T U V W X Y Z (Right) How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. More than two
B. Two
C. One
D. None

Answer Key: 4
Question ID: 4444444504
Option 1D: 4444444505
Option 2D: 4444444506
Option 3D: 4444444507
Option 4D: 4444444508
Status: Answered

Q18 Although both hemoglobin and cytochromes contain iron, they cross differ. Which of the following correctly describes this difference?

A. Hemoglobin contains a porphyrin ring, whereas cytochromes do not
B. Cytochrome facilitates electron transfer by alternating Fe2+/Fe3+ states directly, whereas oxygen binding in hemoglobin does not involve any change in iron's oxidation state
C. Hemoglobin and cytochromes are chemically identical but differ in their location
D. Cytochromes are found in red blood cells, while hemoglobin is found in muscle cells

Answer Key: 4
Question ID: 4444444509
Option 1D: 4444444510
Option 2D: 4444444511
Option 3D: 4444444512
Option 4D: 4444444513
Status: Answered

Q19 The famous gold-foil scattering experiment confirmed the existence of which atomic feature?

A. Protons
B. Electrons
C. Nucleus
D. Neutrons

Answer Key: 4
Question ID: 4444444514
Option 1D: 4444444515
Option 2D: 4444444516
Option 3D: 4444444517
Option 4D: 4444444518
Status: Answered

Q20 Okazaki fragments in prokaryotes are joined by which enzyme?

A. DNA ligase
B. Helicase
C. Primase
D. DNA Pol I

Answer Key: 4
Question ID: 4444444519
Option 1D: 4444444520
Option 2D: 4444444521
Option 3D: 4444444522
Option 4D: 4444444523
Status: Answered

Q21 Select the major challenge that contemporary India's education system is facing.

A. Lack of access to higher education
B. Lack of trained professionals
C. Limited investment in research and development
D. Limited investment in basic education

Answer Key: 4
Question ID: 4444444524
Option 1D: 4444444525
Option 2D: 4444444526
Option 3D: 4444444527
Option 4D: 4444444528
Status: Answered

Q22 State whether the following statements is True or False. The object on which the work is done is zero. The object on which the work is done gains energy.

A. Both (a) and (b) are true
B. (a) is true and (b) is false
C. (a) is false and (b) is true
D. Both (a) and (b) are false

Answer Key: 4
Question ID: 4444444529
Option 1D: 4444444530
Option 2D: 4444444531
Option 3D: 4444444532
Option 4D: 4444444533
Status: Answered

Q23 _____ written law, whether as the ever very **of** **the** **or** **and** **as** **of** **case** **_____ ?**

A. Law
B. Law
C. Law
D. Law

Answer Key: 4
Question ID: 4444444534
Option 1D: 4444444535
Option 2D: 4444444536
Option 3D: 4444444537
Option 4D: 4444444538
Status: Answered

Q24 Vector Xanthophyta chaspora can be controlled by which of the following measures?

A. Use of resistant varieties and cutoff and P is applied mould populations
B. Use of resistant varieties and cutoff and P is applied mould populations
C. Use of resistant varieties and cutoff and P is applied mould populations
D. Use of resistant varieties and cutoff and P is applied mould populations

Answer Key: 4
Question ID: 4444444539
Option 1D: 4444444540
Option 2D: 4444444541
Option 3D: 4444444542
Option 4D: 4444444543
Status: Answered

Q25 Which of the following statement is NOT correct regarding Deep Fragmentation?

A. Deep fragmentation is also called as Holoblastic Cleavage and Equal Cleavage
B. Deep fragmentation is also called as Holoblastic Cleavage and Equal Cleavage
C. Deep fragmentation is also called as Holoblastic Cleavage and Equal Cleavage
D. Deep fragmentation is also called as Holoblastic Cleavage and Equal Cleavage

Answer Key: 4
Question ID: 4444444544
Option 1D: 4444444545
Option 2D: 4444444546
Option 3D: 4444444547
Option 4D: 4444444548
Status: Answered

Q26 The famous Kullu Dussehra festival in Himachal Pradesh begins on which day of the Hindu calendar?

A. Ashwin Shukla Dashami
B. Kartik Purnima
C. Vijaya Dashami
D. Dussehra of Kullu

Answer Key: 4
Question ID: 4444444549
Option 1D: 4444444550
Option 2D: 4444444551
Option 3D: 4444444552
Option 4D: 4444444553
Status: Answered

Q27 The transference number of _____ is 0.5. If the ionic mobility of _____ is approximately _____ the ionic mobility of H+ is approximately _____

A. H+, 1.5 times, H+, 1.5 times
B. H+, 1 time, H+, 1 time
C. H+, 1.5 times, H+, 1.5 times
D. H+, 1 time, H+, 1 time

Answer Key: 4
Question ID: 4444444554
Option 1D: 4444444555
Option 2D: 4444444556
Option 3D: 4444444557
Option 4D: 4444444558
Status: Answered

Q28 Which of the following features best distinguishes a Mutual Fund from a Bank Deposit?

A. Guaranteed repayment
B. Fixed interest income
C. Investor participation in profits
D. Government backing

Answer Key: 4
Question ID: 4444444559
Option 1D: 4444444560
Option 2D: 4444444561
Option 3D: 4444444562
Option 4D: 4444444563
Status: Answered

Q29 The philosophical branch dedicated to exploring the nature of art, creation and the expression of beauty in various forms is formally known as:

A. Philosophy of Literature
B. Philosophy of Performance
C. Philosophy of Visual Art
D. Philosophy of Beauty and Art

Answer Key: 4
Question ID: 4444444564
Option 1D: 4444444565
Option 2D: 4444444566
Option 3D: 4444444567
Option 4D: 4444444568
Status: Answered

Q30 Which metal exhibits catalytic behaviour that significantly influences the rate in the ability to form stable Perfluoro olefins?

A. Ni
B. Fe
C. Co
D. Cu

Answer Key: 4
Question ID: 4444444569
Option 1D: 4444444570
Option 2D: 4444444571
Option 3D: 4444444572
Option 4D: 4444444573
Status: Answered

Q31 Which of the following is essential for natural selection and adaptation?

A. Genetic variation
B. Environmental isolation
C. Reproductive aging
D. Mutation

Answer Key: 4
Question ID: 4444444574
Option 1D: 4444444575
Option 2D: 4444444576
Option 3D: 4444444577
Option 4D: 4444444578
Status: Answered

Q32 **ಸರಿ ಪೆಟ್ಟಿಗೆಯ ಆಕಾರ ಕಂಡುಹಿಡಿಯಿರಿ.**

A. ಎರಡು ಆಯತಾಕಾರದ ಮುಖಗಳು ಮತ್ತು ನಾಲ್ಕು ಚೌಕಾಕಾರದ ಮುಖಗಳು
B. ಆರು ಆಯತಾಕಾರದ ಮುಖಗಳು
C. ಎರಡು ಚೌಕಾಕಾರದ ಮುಖಗಳು ಮತ್ತು ನಾಲ್ಕು ತ್ರಿಕೋನಾಕಾರದ ಮುಖಗಳು
D. ಎರಡು ತ್ರಿಕೋನಾಕಾರದ ಮುಖಗಳು ಮತ್ತು ಮೂರು ಆಯತಾಕಾರದ ಮುಖಗಳು

Answer Key: 4
Question ID: 4444444579
Option 1D: 4444444580
Option 2D: 4444444581
Option 3D: 4444444582
Option 4D: 4444444583
Status: Answered

Q33 Which substrate will undergo step-wise oxidation most rapidly with O2/H2O2?

A. Ethanol
B. Ethanol
C. Ethanol
D. Ethanol

Answer Key: 4
Question ID: 4444444584
Option 1D: 4444444585
Option 2D: 4444444586
Option 3D: 4444444587
Option 4D: 4444444588
Status: Answered

Q34 Evaluate the Assertion (A) and Reason (R) and define the correct statement from the below:
(A): Enthalpy is an extensive property, meaning it depends on the amount of substance present.
(R): Extensive properties do not change with the quantity of the material.

A. A is false but R is true, such is not the correct explanation of A
B. Both A and R are true
C. A is true but R is false
D. Both A and R are true, and R is the correct explanation of A

Answer Key: 4
Question ID: 4444444589
Option 1D: 4444444590
Option 2D: 4444444591
Option 3D: 4444444592
Option 4D: 4444444593
Status: Answered

Q35 In SN1 reaction, the rate determining step is the formation of _____ and the final shift of vinyl (alkene) is _____

A. Carbocation, Carbocation
B. 1,2 - 1,3
C. 1,2 - 1,2
D. 1,3 - 1,3

Answer Key: 4
Question ID: 4444444594
Option 1D: 4444444595
Option 2D: 4444444596
Option 3D: 4444444597
Option 4D: 4444444598
Status: Answered

Q36 **Ву ну кам в** **нДйки** **ичи** **ва Вьйи** **ерка?**
Вьи йсни и **ут** **ина** **ди** **ени** **ки** **ки** **ки** **вет?**

A. Ина
B. Ина
C. Ина
D. Ина

Answer Key: 4
Question ID: 4444444599
Option 1D: 4444444600
Option 2D: 4444444601
Option 3D: 4444444602
Option 4D: 4444444603
Status: Answered

Q37 Select the option that rectifies the INCORRECTLY spelt word in the following sentence.
Children in affluent homes sleep in separate rooms.

A. spelnt
B. spelnt
C. spelnt
D. spelnt

Answer Key: 4
Question ID: 4444444604
Option 1D: 4444444605
Option 2D: 4444444606
Option 3D: 4444444607
Option 4D: 4444444608
Status: Answered

Q38 The violet colour of Co(H2O)6Cl2 is due to

A. Charge transfer transition
B. Ligand to metal charge transfer
C. d-d transition
D. Metal to ligand charge transfer

Answer Key: 4
Question ID: 4444444609
Option 1D: 4444444610
Option 2D: 4444444611
Option 3D: 4444444612
Option 4D: 4444444613
Status: Answered

Q39 Which of the following compounds is the end product of the Krebs cycle?

A. Pyruvic acid (C3)
B. Acetyl-CoA (C2)
C. Oxaloacetic acid
D. Citric acid (C6)

Answer Key: 4
Question ID: 4444444614
Option 1D: 4444444615
Option 2D: 4444444616
Option 3D: 4444444617
Option 4D: 4444444618
Status: Answered

Q40 The linkage between monosaccharide units in cellulose is

A. α-1,4-glycosidic bond
B. β-1,4-glycosidic bond
C. α-1,6-glycosidic bond
D. β-1,6-glycosidic bond

Answer Key: 4
Question ID: 4444444619
Option 1D: 4444444620
Option 2D: 4444444621
Option 3D: 4444444622
Option 4D: 4444444623
Status: Answered

Q41 When other floral parts are inserted below the ovary on the thalamus, the flower is called _____

A. Hypogynous
B. Epigynous
C. Perigynous
D. Thalamic

Answer Key: 4
Question ID: 4444444624
Option 1D: 4444444625
Option 2D: 4444444626
Option 3D: 4444444627
Option 4D: 4444444628
Status: Answered

Q42 Which practice best aligns with inclusive classroom design?

A. Teaching students to work independently at their own pace
B. Teaching students to work in groups to promote collaboration
C. Teaching students to work in groups to promote collaboration
D. Teaching students to work in groups to promote collaboration

Answer Key: 4
Question ID: 4444444629
Option 1D: 4444444630
Option 2D: 4444444631
Option 3D: 4444444632
Option 4D: 4444444633
Status: Answered

Q43 Trout (Salmo trutta and Oncorhynchus mykiss) are examples of

A. Cartilaginous fishes
B. Jawless fishes
C. Bony ray-finned fishes
D. Lobe-finned fishes

Answer Key: 4
Question ID: 4444444634
Option 1D: 4444444635
Option 2D: 4444444636
Option 3D: 4444444637
Option 4D: 4444444638
Status: Answered

Q44 Which of the following acts as a masking agent in EDTA titration?

A. Calcon-carboxylic T
B. Eriochrome Black T
C. Murexide
D. Fluorescein

Answer Key: 4
Question ID: 4444444639
Option 1D: 4444444640
Option 2D: 4444444641
Option 3D: 4444444642
Option 4D: 4444444643
Status: Answered

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✘ D. Phenolphthalein

Question Type : **MCQ**
Question ID : **4410091487155**
Option 1 ID : **4410095875031**
Option 2 ID : **4410095875032**
Option 3 ID : **4410095875033**
Option 4 ID : **4410095875034**
Status : **Answered C**
Chosen Option :

Q.123 A teacher divides the lesson into small steps, explains each step clearly, checks for understanding and provides guided practice before independent work. Which instructional model is being used?

Ans
✔ A. Inquiry-Based Learning
✘ B. Flipped Classroom
✘ C. Collaborative Learning
✘ D. Direct Instruction Model

Question Type : **MCQ**
Question ID : **4410091504772**
Option 1 ID : **4410095943553**
Option 2 ID : **4410095943555**
Option 3 ID : **4410095943556**
Option 4 ID : **4410095943554**
Status : **Answered A**
Chosen Option :

Q.124 The Government of India has chosen which district in Uttar Pradesh to launch the NAVYA – Nurturing Aspirations through Vocational Training for Young Adolescent Girls programme on 24th June 2025?

Ans
✘ A. Gorakhpur
✔ B. Sonbhadra
✘ C. Varanasi
✘ D. Bareilly

Question Type : **MCQ**
Question ID : **441009918374**
Option 1 ID : **4410093627497**
Option 2 ID : **4410093627499**
Option 3 ID : **4410093627496**
Option 4 ID : **4410093627498**
Status : **Answered A**
Chosen Option :

Q.125 Carnivorous vertebrates have a shorter intestine because:

Ans
✘ A. Their liver produces more enzymes
✘ B. They swallow food whole
✔ C. Protein is simpler to digest than cellulose
✘ D. Their stomach is very large

Question Type : **MCQ**
Question ID : **4410091512853**
Option 1 ID : **4410095975449**
Option 2 ID : **4410095975447**
Option 3 ID : **4410095975446**
Option 4 ID : **4410095975448**
Status : **Answered C**
Chosen Option :

Q.126 Which of the following statements about the effect of dilution on the conductance of an electrolyte solution is correct?

Ans
✘ A. Conductance increases due to increased mobility of ions on dilution
✔ B. Conductance decreases due to a decrease in the number of ions per unit volume
✘ C. Conductance remains unchanged as dilution does not affect ions at all
✘ D. Both conductance and equivalent conductance decrease with dilution

Question Type : **MCQ**
Question ID : **4410091488703**
Option 1 ID : **4410095880999**
Option 2 ID : **4410095880998**
Option 3 ID : **4410095881001**
Option 4 ID : **4410095881000**
Status : **Answered A**
Chosen Option :

Q.127 Which biome is characterised by low precipitation, high temperatures, and is often dominated by cacti and succulents?

Ans
✘ A. Tropical rainforest
✘ B. Tundra
✘ C. Grassland
✔ D. Desert

Question Type : **MCQ**
Question ID : **441009624123**
Option 1 ID : **4410092450624**
Option 2 ID : **4410092450626**
Option 3 ID : **4410092450627**
Option 4 ID : **4410092450625**
Status : **Answered D**
Chosen Option :

Q.128 Which of the following bryophytes exhibits the most advanced sporophyte with partial independence?

Ans
✘ A. Anthoceros
✔ B. Funaria
✘ C. Riccia
✘ D. Marchantia

Question Type : **MCQ**
Question ID : **4410091490217**
Option 1 ID : **4410095886879**
Option 2 ID : **4410095886880**
Option 3 ID : **4410095886877**
Option 4 ID : **4410095886878**
Status : **Answered B**
Chosen Option :

Q.129 Which of the following skills reduces misunderstanding in conflict?

Ans
✘ A. Directive questioning
✘ B. Fixed turn-taking
✘ C. Rapid decision-making
✔ D. Active listening

Question Type : **MCQ**
Question ID : **4410091523765**
Option 1 ID : **4410096018332**
Option 2 ID : **4410096018333**
Option 3 ID : **4410096018331**
Option 4 ID : **4410096018334**
Status : **Answered D**
Chosen Option :

Q.130 The myelin sheath in the peripheral nervous system is formed by:

Ans
✘ A. Astrocytes
✔ B. Schwann cells
✘ C. Oligodendrocytes
✘ D. Microglia

Question Type : **MCQ**
Question ID : **4410091498727**
Option 1 ID : **4410095919812**
Option 2 ID : **4410095919813**
Option 3 ID : **4410095919814**
Option 4 ID : **4410095919815**
Status : **Answered B**
Chosen Option :

Q.131 दिए गए वाक्य के रेखांकित शब्द का पर्यायवाची नहीं है–
अध्यापक ने कहानी का विस्तृत <u>विवेचन</u> विद्यार्थियों को समझाया।

Ans
✘ A. मीमांसा
✘ B. विश्लेषण
✔ C. प्रकट
✘ D. निरूपण

Question Type : **MCQ**
Question ID : **4410091489395**
Option 1 ID : **4410095883632**
Option 2 ID : **4410095883630**
Option 3 ID : **4410095883629**
Option 4 ID : **4410095883631**
Status : **Answered B**
Chosen Option :

Q.132 Which technique is used in DNA fingerprinting to separate DNA fragments according to their size?

Ans
✔ A. Gel electrophoresis
✘ B. DNA hybridization
✘ C. Polymerase chain reaction
✘ D. Southern blotting

Question Type : **MCQ**
Question ID : **4410091491421**
Option 1 ID : **4410095891465**
Option 2 ID : **4410095891467**
Option 3 ID : **4410095891466**
Option 4 ID : **4410095891468**
Status : **Answered A**
Chosen Option :

Q.133 Which event occurs only during oogenesis and not during spermatogenesis?

Ans
✘ A. Formation of spermatids
✘ B. Meiosis
✔ C. Formation of polar bodies
✘ D. Formation of haploid gametes

Question Type : **MCQ**
Question ID : **4410091501969**
Option 1 ID : **4410095932268**
Option 2 ID : **4410095932271**
Option 3 ID : **4410095932269**
Option 4 ID : **4410095932270**
Status : **Answered C**
Chosen Option :

Q.134 Select the option that can be used as a one-word substitute for the given group of words.
A person who knows many languages

Ans
✘ A. Orator
✘ B. Linguist
✔ C. Polyglot
✘ D. Philologist

Question Type : **MCQ**
Question ID : **4410091112495**
Option 1 ID : **4410094386040**
Option 2 ID : **4410094386038**
Option 3 ID : **4410094386037**
Option 4 ID : **4410094386039**
Status : **Answered C**
Chosen Option :

Q.135 The edible part of litchi that is aril is regarded as the:

Ans
✘ A. Caruncle
✘ B. Operculum
✔ C. Third integument
✘ D. First integument

Question Type : **MCQ**
Question ID : **4410091510773**
Option 1 ID : **4410095967150**
Option 2 ID : **4410095967151**
Option 3 ID : **4410095967149**
Option 4 ID : **4410095967148**
Status : **Answered C**
Chosen Option :

Q.136 The weak bond in a carbon–carbon double bond that breaks during addition is:

Ans
✔ A. π bond
✘ B. σ bond
✘ C. hydrogen bond
✘ D. ionic bond

Question Type : **MCQ**
Question ID : **4410091485823**
Option 1 ID : **4410095869761**
Option 2 ID : **4410095869762**
Option 3 ID : **4410095869764**
Option 4 ID : **4410095869763**
Status : **Answered A**
Chosen Option :

Q.137 Which of the following is NOT essential for photosynthesis?

Ans
✘ A. Sun light
✘ B. Carbon dioxide
✔ C. Gravity
✘ D. Water

Question Type : **MCQ**
Question ID : **4410091507654**
Option 1 ID : **4410095955218**
Option 2 ID : **4410095955217**
Option 3 ID : **4410095955219**
Option 4 ID : **4410095955220**
Status : **Answered C**
Chosen Option :

Q.138 When there is only one copy of a chromosome instead of two, then this type of mutation is called:

Ans
✘ A. Trisomy
✘ B. Nullisomy
✔ C. Monosomy
✘ D. Tetrasomy

Question Type : **MCQ**
Question ID : **4410091508040**
Option 1 ID : **4410095956790**
Option 2 ID : **4410095956792**
Option 3 ID : **4410095956791**
Option 4 ID : **4410095956789**
Status : **Answered C**
Chosen Option :

Q.139 In the given sentence, the underlined segment is a proverb and may contain an error. Select the option that rectifies the given segment. If there is no error, select 'No rectification required'.
In regions with plenty of food but poor nutritional choices, the proverb more die of food than famine rings true, as obesity and related diseases become prevalent.

Ans
✘ A. famine causes more deaths than starvation
✘ B. more die of food
✔ C. No rectification required
✘ D. more die of famine than food

Question Type : **MCQ**
Question ID : **441009203734**
Option 1 ID : **441009801446**
Option 2 ID : **441009801447**
Option 3 ID : **441009801444**
Option 4 ID : **441009801445**
Status : **Answered C**
Chosen Option :

Q.140 The Himachal Pradesh Vidhan Sabha is:

Ans
✔ A. A unicameral legislature with 68 directly elected members
✘ B. A bicameral legislature with 2 houses and 60 total members
✘ C. A unicameral legislature with 60 nominated members
✘ D. A bicameral legislature with 68 members in the Upper House only

Question Type : **MCQ**
Question ID : **4410091530034**
Option 1 ID : **4410096043221**
Option 2 ID : **4410096043220**
Option 3 ID : **4410096043222**
Option 4 ID : **4410096043223**
Status : **Answered A**
Chosen Option :

Q.141 Seven people, R, F, V, T, G, B and N are sitting in a row, facing north. No one sits to the right of F. Only three people sit between F and R. Only two people sit between R and T. V sits third to the left of G. B sits to the immediate right of G. Who sits immediately to the right of N?

Ans
✘ A. T
✘ B. B
✘ C. G
✔ D. R

Question Type : **MCQ**
Question ID : **4410091484334**
Option 1 ID : **4410095864248**
Option 2 ID : **4410095864247**
Option 3 ID : **4410095864246**
Option 4 ID : **4410095864245**
Status : **Answered D**
Chosen Option :

Q.142 According to Caroline Moser which of the following is NOT a gender role generally played by women?

Ans
✔ A. Community political activities
✘ B. Reproductive
✘ C. Productive
✘ D. Community managing activities

Question Type : **MCQ**
Question ID : **4410091510716**
Option 1 ID : **4410095966918**
Option 2 ID : **4410095966916**
Option 3 ID : **4410095966917**
Option 4 ID : **4410095966919**
Status : **Answered A**
Chosen Option :

Q.143 लोकोक्ति 'गुड़ को ही मक्खियाँ लगती हैं' का सही अर्थ चुनिए–

Ans
✘ A. जहाँ मिठास होती है, वहाँ स्वाद होता है
✘ B. जहाँ भीड़ रहती है, वहाँ शांति नहीं होती
✘ C. जहाँ कष्ट होता है, वहीं सब जाते हैं
✔ D. जहाँ लाभ होता है, वहीं सब जाते हैं

Question Type : **MCQ**
Question ID : **4410091489326**
Option 1 ID : **4410095883383**
Option 2 ID : **4410095883381**
Option 3 ID : **4410095883382**
Option 4 ID : **4410095883380**
Status : **Answered D**
Chosen Option :

Q.144 Which of the following amino acids is coded by a single codon only?

Ans
✘ A. Arginine
✘ B. Serine
✘ C. Leucine
✔ D. Methionine

Question Type : **MCQ**
Question ID : **4410091492339**
Option 1 ID : **4410095895096**
Option 2 ID : **4410095895094**
Option 3 ID : **4410095895093**
Option 4 ID : **4410095895095**
Status : **Answered D**
Chosen Option :

Q.145 The body of cnidarians is organised at the:

Ans
✘ A. organ-system level
✔ B. tissue level
✘ C. organ level
✘ D. cellular level

Question Type : **MCQ**
Question ID : **4410091489913**
Option 1 ID : **4410095885692**
Option 2 ID : **4410095885690**
Option 3 ID : **4410095885691**
Option 4 ID : **4410095885689**
Status : **Answered B**
Chosen Option :

Q.146 Which of the following is used as the reducing agent in the extraction of iron in the blast furnace?

Ans
✘ A. H2O
✘ B. O2
✔ C. CO
✘ D. SO2

Question Type : **MCQ**
Question ID : **4410091522079**
Option 1 ID : **4410096011445**
Option 2 ID : **4410096011444**
Option 3 ID : **4410096011443**
Option 4 ID : **4410096011442**
Status : **Answered C**
Chosen Option :

Q.147 In alcoholic fermentation, pyruvate first undergoes:

Ans
✘ A. Dehydrogenation
✘ B. Reduction
✔ C. Decarboxylation
✘ D. Oxidation

Question Type : **MCQ**
Question ID : **4410091507612**
Option 1 ID : **4410095955049**
Option 2 ID : **4410095955052**
Option 3 ID : **4410095955050**
Option 4 ID : **4410095955051**
Status : **Answered C**
Chosen Option :

Q.148 Which of the following is a major product of the organic chemical industry in India?

Ans
✘ A. Cement
✔ B. Plastics and synthetic fibres
✘ C. Aluminium sheets
✘ D. Steel rods

Question Type : **MCQ**
Question ID : **4410091500527**
Option 1 ID : **4410095926976**
Option 2 ID : **4410095926977**
Option 3 ID : **4410095926978**
Option 4 ID : **4410095926979**
Status : **Answered A**
Chosen Option :

Q.149 Which of the following is the infective stage of Wuchereria bancrofti for the human host?

Ans
✘ A. Adult worm residing in the human lymphatic vessels.
✘ B. Microfilariae present in the human peripheral blood.
✘ C. First stage larva (L1) developing within the mosquito.
✔ D. Third stage larva(L3) found in the mosquito's proboscis.

Question Type : **MCQ**
Question ID : **4410091518141**
Option 1 ID : **4410095995801**
Option 2 ID : **4410095995800**
Option 3 ID : **4410095995799**
Option 4 ID : **4410095995798**
Status : **Answered B**
Chosen Option :

Q.150 The order of a chemical reaction is the sum of the ______ of all reactants in the rate law.

Ans
✘ A. molarity
✘ B. coefficients
✘ C. concentrations
✔ D. exponents

Question Type : **MCQ**
Question ID : **4410091497368**
Option 1 ID : **4410095914577**
Option 2 ID : **4410095914580**
Option 3 ID : **4410095914578**
Option 4 ID : **4410095914579**
Status : **Answered D**
Chosen Option :

Q.151 वाक्यांश के लिए सही विकल्प चुनें।
जो युद्ध में स्थिर रहता हो।

Ans
✘ A. युद्धिष्ठर
✘ B. युधिष्ठर
✘ C. युधिस्ठर
✔ D. युधिष्ठिर

Question Type : **MCQ**
Question ID : **441009472416**
Option 1 ID : **441091845080**
Option 2 ID : **441091845079**
Option 3 ID : **441091845077**
Option 4 ID : **441091845078**
Status : **Answered D**
Chosen Option :

Q.152 During production of transgenic plants, which of the following methods involves coating microscopic heavy metal particles with the desired DNA and shooting them into plant cells?

Ans
✘ A. Spontaneous transformation
✘ B. Vector mediated transformation
✔ C. DNA biolistics
✘ D. Electroporation

Question Type : **MCQ**
Question ID : **4410091506203**
Option 1 ID : **4410095949200**
Option 2 ID : **4410095949197**
Option 3 ID : **4410095949198**
Option 4 ID : **4410095949199**
Status : **Answered C**
Chosen Option :

Q.153 The functional unit of the nervous system in the vertebrates is:

Ans
✘ A. Axon
✘ B. Synapse
✔ C. Neuron
✘ D. Dendrite

Question Type : **MCQ**
Question ID : **4410091517004**
Option 1 ID : **4410095991405**
Option 2 ID : **4410095991408**
Option 3 ID : **4410095991407**
Option 4 ID : **4410095991406**
Status : **Answered C**
Chosen Option :

Q.154 दिए गए वाक्य के रेखांकित शब्द का पर्यायवाची नहीं है–
दोनों मित्रों के बीच रोचक <u>संवाद</u> हुआ।

Ans
✔ A. अभिनय
✘ B. संभाषण
✘ C. बातचीत
✘ D. वार्तालाप

Question Type : **MCQ**
Question ID : **4410091489368**
Option 1 ID : **4410095883548**
Option 2 ID : **4410095883551**
Option 3 ID : **4410095883550**
Option 4 ID : **4410095883549**
Status : **Answered A**
Chosen Option :

Q.155 The cocoon of Pheretima posthuma is formed by secretions from the:

Ans
✔ A. Clitellar glands
✘ B. Sperm-ducts
✘ C. Setae glands
✘ D. Nephridia

Question Type : **MCQ**
Question ID : **4410091506320**
Option 1 ID : **4410095949658**
Option 2 ID : **4410095949660**
Option 3 ID : **4410095949657**
Option 4 ID : **4410095949659**
Status : **Answered A**
Chosen Option :

Q.156 Which hormone primarily induces parturition (childbirth) in mammals?

Ans
✔ A. Oxytocin
✘ B. Progesterone
✘ C. Relaxin only
✘ D. Estrogen

Question Type : **MCQ**
Question ID : **4410091501893**
Option 1 ID : **4410095931972**
Option 2 ID : **4410095931974**
Option 3 ID : **4410095931973**
Option 4 ID : **4410095931975**
Status : **Answered A**
Chosen Option :

Q.157 Which of the following statements is false?

Ans
✘ A. s orbital is spherical
✘ B. f orbital can have 14 electrons
✔ C. 3d orbital fills before 4s orbital
✘ D. d orbital can have 5 orientations

Question Type : **MCQ**
Question ID : **4410091482301**
Option 1 ID : **4410095856179**
Option 2 ID : **4410095856181**
Option 3 ID : **4410095856182**
Option 4 ID : **4410095856180**
Status : **Answered C**
Chosen Option :

Q.158 Which of the following minerals regulates the Parathyroid hormone (PTH) in blood?

Ans
✘ A. Sodium
✘ B. Iron
✘ C. Potassium
✔ D. Calcium

Question Type : **MCQ**
Question ID : **4410091505777**
Option 1 ID : **4410095947503**
Option 2 ID : **4410095947501**
Option 3 ID : **4410095947500**
Option 4 ID : **4410095947502**
Status : **Answered D**
Chosen Option :

Q.159 Which of the following statements is NOT correct with respect to the principles of International code of Nomenclature?

Ans
✘ A. Each taxonomic group can only have one correct name. B.
✘ Scientific names are treated as Latin, regardless of their origin. C.
✔ A group's name is determined by a designated type specimen.
✘ D. The correct name for a taxonomic group is the latest validly published name.

Question Type : **MCQ**
Question ID : **4410091498554**
Option 1 ID : **4410095919139**
Option 2 ID : **4410095919138**
Option 3 ID : **4410095919137**
Option 4 ID : **4410095919140**
Status : **Answered D**
Chosen Option :

Q.160 Which of the following correctly lists the three most important cereal crops of Himachal Pradesh?

Ans
✘ A. Rice, Bajra and Jowar
✘ B. Wheat, Ragi and Oats
✔ C. Rice, Wheat and Maize
✘ D. Maize, Barley and Sorghum

Question Type : **MCQ**
Question ID : **4410091540523**
Option 1 ID : **4410096085388**
Option 2 ID : **4410096085389**
Option 3 ID : **4410096085387**
Option 4 ID : **4410096085390**
Status : **Answered C**
Chosen Option :

Q.161 In coral reef ecosystems, the high productivity of corals is largely due to their symbiotic relationship with protists belonging to which group?

Ans
✘ A. Apicomplexans
✘ B. Foraminiferans
✘ C. Euglenoids
✔ D. Dinoflagellates (Zooxanthellae)

Question Type : **MCQ**
Question ID : **4410091494755**
Option 1 ID : **4410095904499**
Option 2 ID : **4410095904501**
Option 3 ID : **4410095904502**
Option 4 ID : **4410095904500**
Status : **Answered D**
Chosen Option :

Q.162 Match the following plant parts in column A with their correct option given in Column B.

Column A	Column B
a. Pollen sac	i. Microsporangia
b. Carpel	ii. Ovary
c. Anther wall	iii. Tapetum
d.Gamopetalae	iv. Unitegmic ovules

Ans
✔ A. a) i, b) ii, c) iii, d) iv
✘ B. a) ii, b) i, c) iii, d) iv
✘ C. a) i, b) iv, c) iii, d) ii
✘ D. a) i, b) ii, c) iv, d) iii

Question Type : **MCQ**
Question ID : **4410091507262**
Option 1 ID : **4410095953602**
Option 2 ID : **4410095953601**
Option 3 ID : **4410095953604**
Option 4 ID : **4410095953603**
Status : **Answered A**
Chosen Option :

Q.163 Most of India's major mineral deposits are found in which type of geological formation?

Ans
✘ A. Concentrated only along the Himalayan foothills
✔ B. Embedded in the rocks of the Peninsular plateau
✘ C. Located exclusively within coastal delta regions
✘ D. Spread across the Indo-Gangetic alluvial plains

Question Type : **MCQ**
Question ID : **4410091523972**
Option 1 ID : **4410096019165**
Option 2 ID : **4410096019164**
Option 3 ID : **4410096019166**

Q.**Which of the following forest types covers the largest geographical area in India, and what is its approximate share in it, and 3,000 m, and includes Deodar as a dominant species?**

Ans. (a) Tropical dry deciduous forests
(b) Tropical thorn forests
(c) Montane wet temperate forests
(d) Tropical wet evergreen forests

Q.**The body of earthworm (Pheretima posthuma) is divided externally by grooves into similar segments called _____.**

Ans. (a) Annuli
(b) Tagmata
(c) Setae
(d) Clitellum

Q.**Which of the following mechanisms is an implementation as a right-to-work policy?**

Ans. (a)
(b)
(c)
(d)

Q.**What is a significant barrier to achieving equitable education in rural India?**

Ans. (a) Excessive emphasis on urban educational opportunities
(b) Lack of infrastructure and trained teachers in remote areas
(c) Overwhelming availability of female teachers in rural settings
(d)

Q.**Which industrialist/enterprise established India's integrated steel plant in the early 20th century?**

Ans. (a) Tata Steel
(b) Bharat Steel
(c) TransTech
(d)

Q.**Which of the following groups of passes are identified as the most important mountain passes in the Himachal Himalayas?**

Ans. (a) Rohtang, Bara-Lacha, Shipki
(b) Nathu La, Jelep La, Bomdi La
(c) Banihal, Pir Panjal, Zoji La
(d)

Q.**Which of the following molecules has the strongest hydrogen bonding?**

Ans. (a) CH_4
(b) NH_3
(c) H_2O
(d) HF

Q.**What is the ideal brooding temperature for day-old chicks?**

Ans. (a) 25°C
(b) 30°C
(c) 35°C
(d) 40°C

Q.**On 12 January 2020, which city in Saudi Arabia held a meeting to discuss peace in Syria after President Assad's fall?**

Ans. (a) Riyadh
(b) Jeddah
(c) Mecca
(d) Dammam

Q.**A key pedagogical value of art education is that it:**

Ans. (a) Develops students' ability to memorize historical facts
(b) Provides purely standard-oriented
(c) Fosters creativity and self-expression
(d)

Q.**For effective learning resource development, materials should be:**

Ans. (a) Complex and difficult to understand
(b) Limited to specific learning styles
(c) Be relevant to content or changes
(d) Only available in one format

Q.**In humans, how many chromosomes are normally found in each somatic (body) cell?**

Ans. (a) 23
(b) 46
(c) 92
(d) 69

Q.**Which of the following best describes the molecular arrangement in a liquid state?**

Ans. (a) Particles are fixed in a rigid three-dimensional lattice
(b) Particles have complete freedom of movement without any forces
(c) Particles exhibit orderly movement in two dimensions
(d) Particles are loosely packed and have some but not complete

Q.**Which order includes flying mammals?**

Ans. (a) Rodentia
(b) Chiroptera
(c) Carnivora
(d)

Q.**Sentence of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful paragraph and choose it.**
A. It is essential to stay hydrated while exercising.
B. In addition to water, sports drinks can help replenish lost electrolytes.
C. Many people underestimate the importance of proper hydration during physical activities.
D. This ensures that the body functions optimally during physical activities.

Ans. (a) BDCA
(b) CADB
(c) ACBD
(d) ACDB

Q.**Which ecology issue is causing more children in expanding river systems to suffer from waterborne environment?**

Ans. (a) Increased availability of clean drinking water
(b) Improved sanitation and hygiene practices
(c) Increased exposure to pollutants and disease-causing agents
(d) Decreased incidence of waterborne diseases

Q.**In which of the following vertebrates is organ of Corti found?**

Ans. (a) Birds
(b) Amphibians
(c) Mammals
(d)

Q.**Which of the following represents a difference between prokaryotic cell and eukaryotic cell?**

Ans. (a) Presence of cell membrane
(b) Presence of plasmids
(c) Presence of nuclear membrane
(d) Presence of ribosomes

Q.**Which of the following important products are mainly obtained from medicinal plants?**

Ans. (a) Essential oils
(b) Alkaloids, tannins
(c) Resins, waxes
(d)

Q.**If 'A' stands for '+', 'B' stands for '-', 'C' stands for '=' and 'D' stands for '÷', then which one of the following choices of the question (a, b, c, d) is correct?**

Ans. (a) $6 \div 3 - 2 + 1 = 5$
(b) $6 - 3 \div 2 + 1 = 5$
(c) $6 \div 3 - 2 + 1 = 5$
(d) $6 \div 3 - 2 + 1 = 5$

Q.**Which of the following NOT correct regarding the properties of the equilibrium constant (Kp or Kc)?**

Ans. (a) The value of Kc is dependent on the pressure and catalyst applied
(b) The equilibrium constant can be calculated using the concentrations of reactants and products
(c) The equilibrium constant has a definite value at a constant temperature for a given reaction
(d)

Q.**Which of the following microbes is used in the biofertilizer industry for non-leguminous crops?**

Ans. (a) Azotobacter
(b) Rhizobium
(c) Cyanobacteria
(d)

Q.**Which of the following best describes the term 'Ecosystem'?**

Ans. (a) Interaction between plants and animals
(b) Only plant species
(c) Only animal species
(d)

Q.**Evaluate the Assertion (A) and Reason (R) and define the relationship between both.**
Assertion (A): Mitochondria are the path taken during the process.
Reason (R): Glucose free energy depends only on the initial and final states of the systems.

Ans. (a) Both A and R are true, and R is the main explanation of A
(b) Both A and R are true, but R is not the main explanation of A
(c) A is true, but R is false
(d) A is false, but R is true

Q.**Which of the following statements are true regarding the ulster system of Plectrophyes?**
(I) An amphiphilic siphonostele is a type of stele where the vascular tissue is arranged in a ring around the pith.
(II) In this stele, xylem is surrounded by phloem on both sides.
(III) An amphiphilic siphonostele is found in the roots of dicotyledonous plants.
(IV) The xylem and phloem in this stele are separated by a layer of parenchyma.
(V) A protostele is the most primitive type of stele where the xylem is in the center.

Ans. (a) I, II and III only
(b) I, II and IV only
(c) I, III and V only
(d) II, III and IV only

Q.**In Bryophytes, gametophyte is _____.**

Ans. (a) haploid and dependent
(b) diploid and independent
(c) haploid and independent
(d)

Q.**Which of following terms was used by Mendel for "gene"?**

Ans. (a) Trait
(b) Type
(c) Factor
(d)

Q.**What type of mutation takes place when there is a change in a single nucleotide base?**

Ans. (a) Chromosomal deletion
(b) Point mutation
(c) Frameshift mutation
(d) Missense

Q.**Who was the Vietnamese Sufi Satyagraha after Mahatma Gandhi was afforded in 1930?**

Ans. (a) Ho Chi Minh
(b) Duyenkhoan Thanh
(c) Phan Boi Chau
(d)

Q.**How are oxbow lakes formed in river floodplains like those of the Ganga?**

Ans. (a) By the deposition of sediment at the river's mouth
(b) When a river changes its course completely
(c) Because of a river eroding its outside bend
(d) Through the uplifting of land by tectonic forces

Q.**A comprehensive household disaster preparedness include:**

Ans. (a) Focusing only on natural disasters
(b) Ignoring communication plans
(c) Not considering the needs of pets
(d) Including evacuation plans and emergency supplies

Q.**The correct combination of reserve food material and pigments in Rhodophyceae is/are:**

Ans. (a) Floridean starch and chlorophyll a, c
(b) Floridean starch, chlorophyll a and phycoerythrin
(c) Floridean starch, chlorophyll a and phycoerythrin
(d) Phycoglycan, starch and chlorophyll a and c

Comprehension:
Read the passage carefully and answer the following questions.
You don't have to go to Switzerland to enjoy its scenic splendour, you can find it in Chhitkool. Yes, Chhitkool is the last village on the Indo-Chhitkool Road by the 51st Counsellor and Head of Chancery of Switzerland in India, William T. Stoner on July 7, 1962. With this declaration, Chhitkool has become the first village in India to receive such Transformations the world over, which show topographical resemblance to Switzerland. Khajjiar is a nature lover's paradise and a visual feast. Perched at a height of 6400 ft, it is encompassed by deodar forests and alpine pastures. The HPTDC hotel 'Devdar' has fine prime locations.
SubQuestion No : 186
Select the most appropriate ANTONYM of the given word. Splendour

Ans. (a) Grandeur
(b) Magnificence
(c) Dullness
(d) Radiance

Comprehension:
Read the passage carefully and answer the following questions.
You don't have to go to Switzerland to enjoy its scenic splendour, you can find it in Chhitkool. Yes, Chhitkool is the last village on the Indo-Chhitkool Road by the 51st Counsellor and Head of Chancery of Switzerland in India, William T. Stoner on July 7, 1962. With this declaration, Chhitkool has become the first village in India to receive such Transformations the world over, which show topographical resemblance to Switzerland. Khajjiar is a nature lover's paradise and a visual feast. Perched at a height of 6400 ft, it is encompassed by deodar forests and alpine pastures. The HPTDC hotel 'Devdar' has fine prime locations.
SubQuestion No : 187
Select the most appropriate term of the passage.

Ans. (a) Khajjiar
(b) Switzerland
(c) Chhitkool
(d) Stoner

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Option 3 ID : **4410094452697**

Option 4 ID : **4410094452696**

Status : **Answered C**

Chosen Option :

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