



उम्मीदवार इस पुस्तिका के सबसे ऊपरी सील को खोलकर पृष्ठ संख्या 2 और 3 के मध्य स्थापित OMR उत्तर शीट को निकाल लें।
Candidates should open the top side of the seal of this Booklet and take out the OMR Answer Sheet placed at page no. 2 and 3.

पुस्तिका सं. :
Test Booklet No. :

LA-01

परीक्षा प्रश्न-पुस्तिका

परीक्षा पुस्तिका शृंखला : **A**
Test Booklet Series :

निर्धारित समय : 120 मिनट
Time Allowed : 120 Minutes

EXAMINATION QUESTION BOOKLET

अधिकतम अंक : 100
Maximum Marks : 100

रोल नं. :

उत्तर शीट सं. :
Answer Sheet No. :

प्रश्नों के उत्तर देने से पहले निम्नलिखित अनुदेशों को ध्यान से पढ़ लें। / Read the following instructions carefully before you begin to answer the questions.

उम्मीदवारों के लिए अनुदेश	Instructions to the Candidates
<p>1. प्रश्नों के उत्तर लिखना आरंभ करने से पहले आप इस पुस्तिका की जाँच करके सुनिश्चित कर लें कि इसमें पूरे पृष्ठ (1-12) हैं तथा कोई पृष्ठ या उसका भाग कम या दुबारा तो नहीं आ गया है। उम्मीदवारों को यह भी जाँच करनी है कि उनको केवल उस पोस्ट की ही सही परीक्षा-पुस्तिका मिली है जिसके लिए उन्होंने आवेदन किया है। यदि आप इस पुस्तिका में कोई त्रुटि पाएँ, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें।</p> <p>2. ओएमआर उत्तर-शीट प्रश्न पुस्तिका में ही उपलब्ध रहेगी। कृपया सुनिश्चित करें कि ओएमआर शीट संख्या और परीक्षण पुस्तिका संख्या समान हैं। ओएमआर शीट पर जानकारी भरने से पहले ओएमआर शीट पर छपे निर्देशों को ध्यान से पढ़ें। आपको ओएमआर उत्तर-पत्रक पर सभी विवरणों को सही ढंग से पूरा और कोड करना होगा, ऐसा न करने पर आपकी उत्तर पुस्तिका का मूल्यांकन नहीं किया जा सकता है। प्रश्नों का उत्तर देना शुरू करने से पहले आपको ओएमआर उत्तर-पत्रक पर दिये गए निर्धारित स्थान पर अपने हस्ताक्षर करने होंगे। इन निर्देशों का पूर्ण रूप से पालन किया जाना चाहिए, ऐसा न करने पर आपकी ओएमआर उत्तर-पुस्तिका का मूल्यांकन नहीं किया जा सकता है।</p> <p>3. ओएमआर उत्तर-शीट तीन प्रतियों में होगी (मूल तथा कार्बन की दो प्रतिलिपियाँ)। परीक्षा समाप्त के बाद ओ.एम्.आर. की मूल शीट तथा एक कार्बन प्रतिलिपि निरीक्षक को सौंपने के पश्चात् उम्मीदवार अपने साथ एक कार्बन प्रतिलिपि ले जा सकते/सकती हैं। यदि कोई भी उम्मीदवार ऐसा करने में असफल रहता/रहती है तो उसकी उम्मीदवारी रद्द कर दी जायेगी। यदि कोई उम्मीदवार अपनी कार्बन प्रतिलिपि में किसी भी प्रकार का फेर-बदल कर उसका दावा करता/करती है तो इस स्थिति में भी उसका/उसकी उम्मीदवारी रद्द की जायेगी।</p> <p>4. इस प्रश्न-पुस्तिका में 100 बहुविकल्पीय प्रश्न हैं। प्रत्येक प्रश्न के 4 विकल्प दिए गए हैं, (A), (B), (C) और (D)। किसी भी स्थिति में प्रत्येक प्रश्न का केवल एक विकल्प ही सही उत्तर है। यदि आपको एक से अधिक विकल्प सही लगें तो सबसे अधिक उचित एक विकल्प का चुनाव करें और उत्तर शीट में सम्बंधित प्रश्न के सामने वाले उपयुक्त गोले को काला करें।</p> <p>5. प्रत्येक सही उत्तर के लिए एक अंक दिया जाएगा और प्रत्येक गलत उत्तर के लिए 0.25 अंक काट लिए जाएंगे।</p> <p>6. गोले को काला करने के लिए केवल काले/नीले बॉल प्वाइंट पेन का प्रयोग करें। गोले को एक बार काला करने के बाद इसको मिटाने या बदलने की अनुमति नहीं है। यदि किसी प्रश्न के सामने एक से ज्यादा गोले काले किये गए हों तो मशीन द्वारा उसके लिए शून्य अंक दिया जाएगा।</p> <p>7. किसी भी स्थिति में उत्तर शीट को न मोड़ें।</p> <p>8. उत्तर-पुस्तिका पर कोई भी रफ कार्य नहीं करना है। रफ कार्य के लिए इस पुस्तिका में स्थान दिया गया है।</p> <p>9. परीक्षा हॉल/कमरों में मोबाइल फ़ोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फ़ोन/किसी अन्य बेतार संचार साधन को रिच ऑफ़ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जायेगा और उनके विरुद्ध कार्यवाही की जाएगी, जिसमें उनकी उम्मीदवारी रद्द करना भी शामिल है।</p> <p>10. अभ्यर्थी अपनी उत्तर पुस्तिका पर्यवेक्षक को सौंपे बिना और अपने रोल नंबर के सामने उचित स्थान पर उपस्थिति पत्रक पर हस्ताक्षर किए बिना परीक्षा हॉल/कक्ष से बाहर नहीं जा सकता। इसके अलावा अभ्यर्थी को उपस्थिति पत्रक पर हस्ताक्षर करने से पहले यह भी सुनिश्चित करना चाहिए कि बुकलेट नंबर, बुकलेट सीरीज और ओएमआर उत्तर पुस्तिका संख्या सही ढंग से लिखी गई हो। ऐसा ना करने पर, ओएमआर उत्तर पुस्तिका को अमान्य माना जाएगा/मूल्यांकन नहीं किया जा सकता है।</p>	<p>1. Before you start to answer the questions you must check this booklet and ensure that it contains all the pages (1-12) and see that no page or portion thereof is missing or repeated. Candidates are also required to check that they have got the right question booklet strictly for the post candidate has applied for. If you find any defect in this Booklet, you must get it replaced immediately.</p> <p>2. OMR Answer-Sheet is within the Question Booklet. Please ensure OMR Answer-Sheet number and Test Booklet No. of Question Paper are same. Read the instructions printed on OMR Answer-Sheet carefully before filling the information on the OMR Answer-Sheet. You must complete and code all the details on the OMR answer sheet correctly failing which your answer sheet may not be evaluated. You must also put your signature on the OMR Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your OMR Answer-Sheet may not be evaluated.</p> <p>3. The OMR Answer-Sheet will be in triplicate (Original and two carbon copies). Candidate has to take one carbon copy (marked as 'candidate copy') with him/her after examination and handover the original OMR along with one carbon copy to invigilator. If candidate fails to handover the original OMR along with one carbon copy to invigilator, his/her candidature will be cancelled. Further, if the candidate tampers with candidate OMR carbon copy and claims for same, in that case also his/her candidature will be cancelled.</p> <p>4. This booklet consists of 100 Multiple Choice Questions. Each question has 4 (four) alternatives (A), (B), (C) and (D). In any case only one alternative will be the correct answer. In case if you find more than one correct answer, then choose the most appropriate single option and darken the appropriate circle in the answer sheet in front of the related question.</p> <p>5. For each correct answer One mark will be given and for each incorrect answer 0.25 marks will be deducted.</p> <p>6. Use Black/Blue ball point Pen to darken the circle. Answer once darkened is not allowed to be erased or altered. Against any question if more than one circle is darkened, machine will allot zero mark for that question.</p> <p>7. Do not fold answer sheet in any case.</p> <p>8. No rough work is to be done on the Answer-Sheet. Space for rough work has been provided in this booklet.</p> <p>9. Mobile phones and wireless communication devices are completely banned in the examination hall/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature.</p> <p>10. Candidate should not leave the examination hall / room without handing over his/her Answer-Sheet to the invigilator and without signing on the attendance sheet at proper place against your roll number, further candidate should also ensure that booklet no., booklet series and OMR Answer-Sheet No. are correctly written on attendance sheet before signing on it, failing in doing so, may lead to disqualification / no evaluation of OMR Answer-Sheet.</p>

जब तक आपसे कहा न जाए तब तक प्रश्न-पुस्तिका न खोलें / DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.

उम्मीदवार का नाम/Name of Candidate :

उम्मीदवार के हस्ताक्षर/Signature of Candidate :



PART - A

1. Which of the following gas is not known as green house gas ?
(A) Methane (B) Nitrous oxide
(C) Carbon dioxide (D) Hydrogen
2. Which reaction is shown by the burning of coal ?
(A) Displacement reaction
(B) Double displacement reaction
(C) Combination reaction
(D) Decomposition reaction
3. Which of the following acids can dissolve glass ?
(A) Hydrofluoric acid
(B) Nitric acid
(C) Fuming sulfuric acid
(D) Hydrochloric acid
4. If the pH value is less than 7, the solution is _____.
(A) Basic (B) Acidic
(C) Neutral (D) No effect
5. What is the Plaster of Paris chemical composition ?
(A) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
(B) $\text{CaSO}_4 \cdot 3\text{H}_2\text{O}$
(C) $\text{CaCO}_3 \cdot 1/2\text{H}_2$
(D) $\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$
6. Rusting of iron takes place in _____.
(A) ordinary water
(B) distilled water
(C) both (A) and (B)
(D) none of the above
7. It is possible to reproduce Bryophyllum vegetatively by the _____.
(A) Flower (B) Stem
(C) Root (D) Leaf
8. A 'X' element has an atomic number of 12. What is the closest inert gas to X ?
(A) He (B) Ar
(C) Ne (D) Kr
9. A gas is produced when a solution interacts with crushed eggshells, turning lime water milky. The solution contains _____.
(A) NaCl (B) KCl
(C) LiCl (D) HCl
10. The right-hand thumb rule is used to find the :
(A) Direction of magnetic field around a current carrying straight conductor
(B) Force on a charged particle passing through the magnetic field
(C) Force on a current carrying conductor placed in a magnetic field
(D) Direction of current induced
11. Which of the following is incorrectly matched ?
(A) Cinnabar - mercury
(B) Galena - lead
(C) Hematite - copper
(D) Bauxite - aluminium
12. Our body's voluntary movements are all governed by :
(A) Pons (B) Cerebellum
(C) Cerebrum (D) Medulla

13. In a compound, how many bonds can a carbon atom form when its electronic configuration is 2, 4 ?
 (A) 1 (B) 2
 (C) 3 (D) 4
14. What is the alternate name for elements in group 18 ?
 (A) Halogens
 (B) Alkali earth metals
 (C) Alkali metals
 (D) Noble gases
15. What is $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ known as _____.
 (A) Bleaching powder
 (B) Washing soda
 (C) Baking powder
 (D) Baking soda
16. An illustration of an amphoteric oxide is _____.
 (A) Al_2O_3 (B) K_2O
 (C) Na_2O (D) MgO
17. Plants propagated vegetatively _____.
 (A) are genetically similar
 (B) are genetically dissimilar
 (C) do not bear roots
 (D) do not bear buds
18. Lactic Acid is found in _____.
 (A) Curd (B) Tea
 (C) Orange (D) Vinegar
19. Point to be kept in mind for verification of Ohm's Law is :
 (A) Ammeter and voltmeter should be connected in series
 (B) Ammeter should be connected in series and voltmeter in parallel
 (C) Ammeter should be connected in parallel and voltmeter in series
 (D) Ammeter and voltmeter should be connected in parallel
20. In a solar cooker, more heat energy may be produced by employing _____.
 (A) Plane mirror (B) Concave mirror
 (C) Convex lens (D) Convex mirror
21. Focal length of plane mirror is _____.
 (A) Infinity (B) Zero
 (C) Negative (D) Positive
22. Power of the lens is -40D , its focal length is :
 (A) 4 m (B) -40 m
 (C) -0.025 m (D) -25 m
23. The reaction $\text{Fe}_2\text{O}_3 + 2\text{Al} \rightarrow \text{Al}_2\text{O}_3 + 2\text{Fe}$ is an example of a _____.
 (A) Displacement reaction.
 (B) Double displacement reaction.
 (C) Decomposition reaction.
 (D) Combination reaction.
24. The SI unit of potential difference is _____.
 (A) Ampere (B) Ohm
 (C) Volt (D) Farad

25. The phenomena of light responsible for the working of the human eye is :
- (A) Reflection
(B) Refraction
(C) Power of accommodation
(D) Persistence of vision
26. How does the electropositive nature of an element change as it moves from left to right in a periodic table ?
- (A) First increases, then decreases
(B) Increases
(C) Decreases
(D) First decreases, then increases
27. Copper artifacts lose their lustre and develop a green layer of _____.
- (A) Copper Oxide
(B) Copper hydroxide and Copper oxide
(C) Basic Copper Carbonate
(D) Copper Carbonate
28. Melamine is _____.
- (A) Thermoplastic polymer
(B) Thermosetting polymer
(C) Fibre
(D) Elastomer
29. The contemporary periodic table is built on which of the following ?
- (A) Atomic mass
(B) Number of nucleons
(C) Atomic number
(D) Number of protons
30. Which of the following is a shiny non-metal ?
- (A) Iodine (B) Oxygen
(C) Nitrogen (D) Sulphur
31. The eye defect where the eyeball elongates excessively is _____.
- (A) Hypermetropia (B) Cataract
(C) Presbyopia (D) Myopia
32. Which one of the following determines the direction of magnetic field due to a current carrying conductor ?
- (A) Fleming's left-hand rule
(B) Lenz's rule
(C) Maxwell's cork screw rule
(D) Faraday's law of electromagnetic induction
33. Which of the following describes the proper order for the food chain ?
- (A) Producer → Decomposer → Consumer
(B) Producer → Consumer → Decomposer
(C) Consumer → Producer → Decomposer
(D) Decomposer → Producer → Consumer
34. If the density of the medium is high, the speed of light in the medium is :
- (A) Low (B) High
(C) Unchanged (D) Very high
35. What Amoeba, Yeast, and Spirogyra have in common with regard to reproduction is that _____.
- (A) They reproduce only sexually
(B) They are all unicellular
(C) They reproduce asexually
(D) They are all multicellular
36. A carbonate ore is heated vigorously without air to transform it into metal oxide during a process known as _____.
- (A) Roasting (B) Reduction
(C) Smelting (D) Calcination

37. The homologous series that methane, ethane, and propane are considered to be _____.
- (A) Hydrocarbons
(B) Differ from each other by a CH_2 group
(C) Aliphatic compounds
(D) Saturated compounds
38. Vegetative propagation occurs in potatoes through _____.
- (A) Leaf (B) Root
(C) Stem tuber (D) Grafting
39. Which of the following colours is least scattered by fog, dust or smoke ?
- (A) Violet (B) Blue
(C) Red (D) Yellow
40. To avoid electric shock, which phenomena is used ?
- (A) Over loading
(B) Earthing
(C) Short circuiting
(D) Electric fuse
41. In which of the following, heat energy will be evolved ?
- (A) Electrolysis of water
(B) Dissolution of NH_4Cl in water
(C) Burning of L.P.G.
(D) Decomposition of AgBr in the presence of sunlight
42. The resistance of wire is given by _____.
- (A) $R = V/I$ (B) $R = VI$
(C) $R = I/V$ (D) $R = 2VI$
43. Which of the following describes the magnetic material ?
- (A) Silver (B) Gold
(C) Copper (D) Iron
44. Food cans have a tin coating rather than a zinc one because _____.
- (A) zinc is costlier than tin.
(B) zinc has a higher melting point than tin.
(C) zinc is less reactive than tin.
(D) zinc is more reactive than tin.
45. When a solution turns red litmus blue, the pH is probably _____.
- (A) 1 (B) 4
(C) 5 (D) 10
46. Which light phenomenon is related to the Tyndall effect ?
- (A) Reflection (B) Refraction
(C) Scattering (D) Dispersion
47. Green plants are typically the first link in any food chain because _____.
- (A) They are widely distributed
(B) They are fixed at one place in the soil
(C) There are more herbivores than carnivores
(D) They alone have the capacity to synthesise food using sunlight
48. Which is not true about the noble gases ?
- (A) They are non metallic in nature
(B) They exist in atomic form
(C) They are radioactive in nature
(D) They have low reactivity
49. The mode of nutrition in mushrooms is :
- (A) Parasitic (B) Holozoic
(C) Heterotrophic (D) Autotrophic

50. Which is non-combustible substance ?
 (A) Wood (B) Paper
 (C) Iron nails (D) Straw
51. Out of the following, which kind of medication is used to treat indigestion ?
 (A) Antibiotic (B) Analgesic
 (C) Antacid (D) Antiseptic
52. Silver articles becomes black on prolonged exposure to air. This is due to the formation of _____.
 (A) Ag_2O (B) Ag_2S
 (C) AgCN (D) Ag_2O and Ag_2S
53. What should be the core of an electromagnet ?
 (A) Hard iron (B) Soft iron
 (C) Rusted iron (D) Steel
54. Among the following, which one is an artificial ecosystem ?
 (A) Pond (B) Forest
 (C) Lake (D) Crop field
55. The purpose of a rheostat is to _____.
 (A) increase the magnitude of current only
 (B) decrease the magnitude of current only
 (C) increase or decrease the magnitude of current
 (D) increase the magnitude of voltage only
56. The energy that moving water possesses is _____.
 (A) Heat energy
 (B) Potential energy
 (C) Kinetic energy
 (D) Electric energy
57. Which of the following is not a solid fuel ?
 (A) Kerosene (B) Charcoal
 (C) Coke (D) Coal
58. CO_2 and H_2 gases both are _____.
 (A) Heavier than air
 (B) Soluble in water
 (C) Acidic in nature
 (D) Colourless
59. Which of these describes an autotroph ?
 (A) Lion (B) Insect
 (C) Tree (D) Bird
60. Which of the following is known as 'laughing gas' ?
 (A) Nitrogen trioxide
 (B) Nitrogen pentaoxide
 (C) Nitric oxide
 (D) Nitrous oxide
61. Reaction between P and Q forms a compound R. P loses electrons and Q gains electrons. Which of the following is not true about R ?
 (A) R has strong electric forces
 (B) R is not soluble in water
 (C) R conducts electric in aquatic in aquatic form
 (D) R has high boiling point
62. When a Plasmodium cell divides into many cells during reproduction, this process is known as :
 (A) Multiple fission
 (B) Binary fission
 (C) Budding
 (D) Reduction division

63. Which of the following types of inertia is not possible ?
 (A) Inertia of rest
 (B) Inertia of motion
 (C) Inertia of shape
 (D) Inertia of direction
64. The exchange of O_2 and CO_2 occurs during breathing in :
 (A) Pharynx and larynx
 (B) Alveoli of lungs
 (C) Larynx and throat
 (D) Trachea and lungs
65. How many single bonds are present in methane ?
 (A) Three (B) Four
 (C) Five (D) Six
66. The rate of flow of electric charges is called as :
 (A) Electric potential
 (B) Electric conductance
 (C) Electric current
 (D) Electric flux
67. In plants, abscisic acid serves primarily as _____.
 (A) to increase the length of cells
 (B) to promote growth of stem
 (C) to inhibit growth
 (D) to promote cell division
68. Which of the following is an acidic oxide ?
 (A) CO_2 (B) Al_2O_3
 (C) Na_2O (D) CO
69. The nature of image that a convex mirror creates is :
 (A) Virtual, erect and diminished
 (B) Virtual, erect and enlarged
 (C) Real, erect and diminished
 (D) Real, erect and enlarged
70. With an X chromosome inherited from the father, a zygote will grow into :
 (A) Either boy or girl
 (B) Girl
 (C) Boy
 (D) X-chromosome does not determine the sex of a child

PART - B

71. The least number which when divided by 22, 27, 37 and 42 leaves the remainders 14, 19, 29 and 34 respectively, is :
 (A) 143838 (B) 133838
 (C) 153854 (D) 153838
72. You will see three words and a blank; fill the blank from the four answer choices. Choose the answer that best completes the analogy posed by the three words.
 $80 : 40 :: 2 : \underline{\hspace{2cm}}$
 (A) 8 (B) 4
 (C) 1 (D) 20
73. The concept of Fundamental Duties in the Indian Constitution is inspired by :
 (A) Constitution of Russia (erstwhile Soviet Union)
 (B) Constitution of France
 (C) Preamble of Constitution of United States of America
 (D) Constitution of Ireland

74. The devastating tsunami that occurred on December 26, 2004, affecting the Andaman and Nicobar Islands, was triggered by :
- (A) Earthquake
(B) Cyclone
(C) Volcanic eruption
(D) Atomic Bomb
75. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.
5, 6, 9, 14, 21, ___?
- (A) 28 (B) 31
(C) 30 (D) 29
76. Identify the sentence that includes the antonym of *profound*.
- (A) The pond in our backyard is quite shallow, making it safe for children to play in.
(B) The ocean's depth is awe-inspiring, and only experienced divers can explore its deep, mysterious realms.
(C) She received a thoughtful gift on her birthday, a handcrafted necklace that held sentimental value.
(D) Their conversation was so meaningful that it left a lasting impact, reminding them of the importance of their friendship.
77. If the compound interest of Rs. x for 2 years at 12.5% per annum is Rs. 680, the simple interest on the Rs. x at the same rate for the same period of time is _____.
- (A) Rs. 620 (B) Rs. 640
(C) Rs. 610 (D) Rs. 600
78. Re-write the sentence in active voice :
The experiment was meticulously observed by the scientists.
- (A) The experiment was meticulously observed by the scientists.
(B) The scientists meticulously observed the experiment.
(C) The scientists were observing meticulously the experiment.
(D) The experiment was meticulously observing the scientists.
79. Which of the following is a rational number ?
- (A) $1 + \sqrt{3}$
(B) $(1 + \sqrt{3})(1 - \sqrt{3})$
(C) π
(D) $\frac{7}{22}\pi$
80. The salary of a woman is Rs. 48000 per month and her monthly expenses on travel are Rs. 3600. The central angle of the sector representing travel expenses in the pie chart would be _____.
- (A) 28° (B) 27°
(C) 30° (D) None of these
81. In an exam Divyanshi gets 90 marks. This amounts to 45% of the maximum marks. What are the maximum marks ?
- (A) 200 (B) 150
(C) 100 (D) 300
82. A's mother is sister of B and has a daughter C. How can A be related to B from among the following ?
- (A) Niece (B) Uncle
(C) Daughter (D) Father

83. Which Indian leader is often referred to as the "Iron Man of India" ?
 (A) Pandit Jawaharlal Nehru
 (B) Sardar Vallabhbhai Patel
 (C) Subhas Chandra Bose
 (D) Mahatma Gandhi
84. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.
 B, E, I, N, T, ___?
 (A) B (B) A
 (C) C (D) D
85. Where is the second highest plunge waterfall in India, Jog Falls, located ?
 (A) Karnataka (B) Kerala
 (C) Maharashtra (D) Tamil Nadu
86. Find the odd number from the given alternatives :
 (A) 6 (B) 15
 (C) 17 (D) 12
87. A woman can row along the flow of a river 10 km per hour and against the flow of the river 2 km per hour. The speed of rowing in still water is _____.
 (A) 6 km per hour
 (B) 4 km per hour
 (C) 2 km per hour
 (D) None of these
88. Total surface area of a cube is 864 cm^2 . Then lateral surface of the cube is _____.
 (A) 576 cm^2 (B) 288 cm^2
 (C) 144 cm^2 (D) 432 cm^2
89. 12 pipes fill a tank in 5 Hours, then 10 pipes fill the tank in _____.
 (A) 6 Hours (B) 10 Hours
 (C) 8 Hours (D) None of these
90. Which nation hosted FIFA 2022 ?
 (A) India (B) Japan
 (C) Qatar (D) Germany
91. Which articles in the Indian Constitution guarantee the Right to Equality ?
 (A) Articles 19-22 (B) Articles 23-24
 (C) Articles 25-28 (D) Articles 14-18
92. L.P.G. is a hydrocarbon consisting of a mixture of :
 (A) Methane and Butane
 (B) Propane and Butane
 (C) Ethane and Propane
 (D) Ethane and Butane
93. In this problem, out of the four figures marked a, b, c and d, three are similar in a certain manner. However, one figure is not like the others. Choose the figure which is different from the rest.
- | | | | | | | | |
|---|---|---|---|---|---|---|---|
| × | ○ | ● | × | × | × | × | ● |
| ● | × | × | ○ | ● | ○ | ○ | × |
| a | | b | | c | | d | |
- (A) Figure a (B) Figure b
 (C) Figure c (D) Figure d

94. Identify the misspelt word in the given sentence :

The maintainance team worked diligently to accommodate the complex machinery's regular needs, handling everything from routine checks to the weirdest and most unexpected repairs.

- (A) Accommodate (B) Weird
(C) Diligent (D) Maintainance

95. Fill in the blanks with the most appropriate option.

Her _____ attire at the gala left everyone in awe, and she was the _____ of the evening.

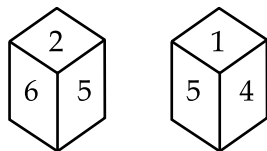
- (A) elegant / belle
(B) flamboyant / cynosure
(C) casual / protagonist
(D) somber / observe

96. Re-write the sentence in direct speech :

She explained that they had already left before we arrived.

- (A) She said, "We had already left before you arrived."
(B) She said, "They have already left before we arrived."
(C) She said, "We have already left before you arrived."
(D) She said, "They had already left before you arrive."

97. What number is opposite of 3 in the figure shown below ?



- (A) 2 (B) 4
(C) 5 (D) 6

98. Identify the sentence in which the idiom has been used improperly.

- (A) She had to bite the bullet during the challenging negotiation.
(B) The director wished the actor good luck, saying, "Break a leg!" before the play.
(C) With the new data in hand, he told his colleagues, "The ball is in your court now".
(D) After winning the lottery, he couldn't help but cry over spilled milk, regretting that he'd bought the ticket.

99. Which age is associated with the Indus Valley Civilization ?

- (A) Paleolithic Age (B) Neolithic Age
(C) Bronze Age (D) Iron Age

100. Identify the sentence that contains a word synonymous with "ephemeral".

- (A) The decision to build a new bridge would have a permanent impact on the city's infrastructure.
(B) The smile on her face was fleeting, disappearing as quickly as it had appeared.
(C) The forest was lush and green, with an abundant array of wildlife.
(D) His actions were so unpredictable that we could never anticipate his next move.

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SPACE FOR ROUGH WORK

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