

Exam Code: 02022209

NEXT IAS

Series

A

General Studies-II

Aanklan-II-24

Subject Code: 02

Answer Key

- | | | | | |
|---------|---------|---------|---------|----------|
| 1. (d) | 21. (c) | 41. (d) | 61. (d) | 81. (b) |
| 2. (c) | 22. (d) | 42. (d) | 62. (c) | 82. (c) |
| 3. (a) | 23. (a) | 43. (a) | 63. (d) | 83. (b) |
| 4. (b) | 24. (b) | 44. (d) | 64. (a) | 84. (a) |
| 5. (a) | 25. (d) | 45. (b) | 65. (b) | 85. (d) |
| 6. (d) | 26. (b) | 46. (a) | 66. (b) | 86. (a) |
| 7. (d) | 27. (b) | 47. (d) | 67. (d) | 87. (c) |
| 8. (c) | 28. (b) | 48. (b) | 68. (a) | 88. (c) |
| 9. (d) | 29. (c) | 49. (d) | 69. (c) | 89. (b) |
| 10. (a) | 30. (b) | 50. (d) | 70. (b) | 90. (c) |
| 11. (b) | 31. (c) | 51. (b) | 71. (d) | 91. (a) |
| 12. (d) | 32. (d) | 52. (a) | 72. (c) | 92. (c) |
| 13. (c) | 33. (a) | 53. (c) | 73. (c) | 93. (a) |
| 14. (a) | 34. (c) | 54. (c) | 74. (c) | 94. (b) |
| 15. (c) | 35. (a) | 55. (c) | 75. (c) | 95. (c) |
| 16. (c) | 36. (c) | 56. (c) | 76. (b) | 96. (b) |
| 17. (d) | 37. (c) | 57. (b) | 77. (b) | 97. (a) |
| 18. (a) | 38. (b) | 58. (c) | 78. (c) | 98. (b) |
| 19. (a) | 39. (d) | 59. (a) | 79. (c) | 99. (c) |
| 20. (d) | 40. (d) | 60. (d) | 80. (b) | 100. (a) |

DELHI CENTRE:

Old Rajinder Nagar: 27-B, Pusa Road, Metro Pillar no. 118, Near Karol Bagh Metro, New Delhi-110060 | Phone: 8081300200

Mukherjee Nagar: 1422, Main Mukherjee Nagar Road, Near Batra Cinema, New Delhi-110009 | Phone: 8081300200

JAIPUR CENTRE: A-1, Lion's Colony, Sitabari, Near The Theme Hotel, Tonk Road, Jaipur-302018 | Phone: 9358200511

PRAYAGRAJ CENTRE: IInd Floor 31/31, Sardar Patel Marg, Civil Lines Prayagraj, Uttar Pradesh-211001 | Ph. 9958857757

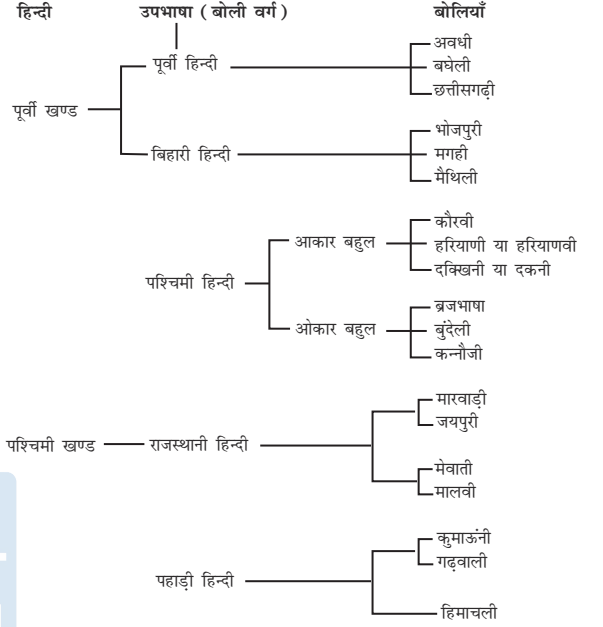


General Studies-II

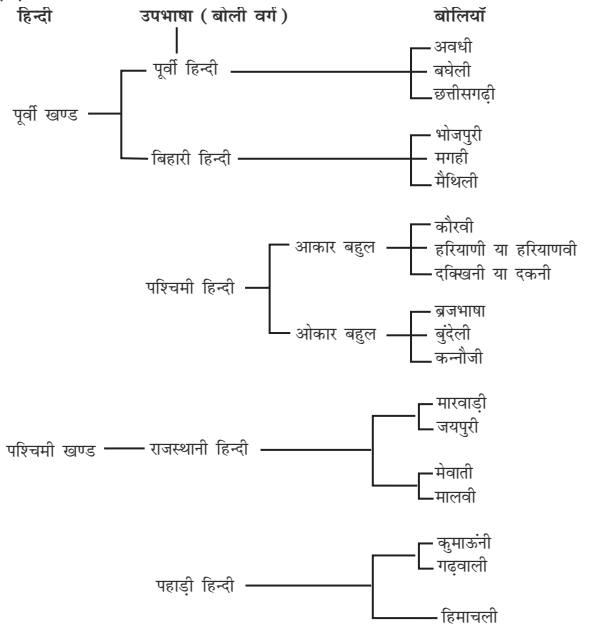
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1. (d) पुनःरचना शुद्ध वर्तनी वाला शब्द है। शेष सभी अशुद्ध हैं, इनका सही रूप हैं- मनःकामना, सत्त्वगुण, लब्धप्रतिष्ठ।
2. (c) कुहासा एक तद्भव शब्द है, शेष सभी तत्सम शब्द हैं।
3. (a) 'श', 'ष', 'स' का उच्चारण स्थान क्रमशः तालव्य, मूर्धन्य, दंत्य होता है।
4. (b) स्नेह तत्सम शब्द है, शेष सभी तद्भव शब्द हैं।
5. (a) शुष्क तत्सम शब्द है जिसका तद्भव रूप 'सूखा' होता है। बहादुर तुर्की भाषा का शब्द है, अतः यह एक विदेशज शब्द है। किलकारी एक देशज शब्द है तथा सौभाग्य एक तत्सम शब्द है जिसका तद्भव रूप सुहाग होता है।
6. (d) आत्मा का पर्यायवाची शब्द है- क्षेत्रज्ञ, पुरुष, प्राण, जीवात्मा, जीवन आदि। दर्प का अर्थ अहंकार होता है।
7. (d) अनेकार्थी शब्द 'अमृत' के कई अर्थ होते हैं; यथा- इंद्र, सूर्य, ब्रह्म। शिव इसका सही अर्थ नहीं है।
8. (c) शयन का विलोम शब्द जागरण होता है।
9. (d) कृष्ण का संधि-विच्छेद है- कृष् + न।
10. (a) "दाँत काटी रोटी" मुहावरे का अर्थ-गहरी मित्रता होता है।
11. (b) 'अनुरूप' में प्रथम खंड की प्रधानता है, अतः इसमें अव्ययीभाव समास है।
12. (d) संज्ञा, सर्वनाम, विशेषण, क्रिया से संबंधित शब्द विकारी शब्द होते हैं जबकि क्रिया विशेषण, संबंधबोधक, समुच्चयबोधक, विस्मयादिबोधक से संबंधित शब्द अविकारी शब्द होते हैं।

13. (c)



14. (a)



15. (c)

बाल्टी और पादरी पुर्तगाली भाषा के शब्द है।

16. (c)

17. (d)

18. (a)



19. (a)
20. (d)
21. (c)
अन्वय शब्द में यण संधि है। अन्वय शब्द का संधि विच्छेद 'अनु + अय' होता है। इसमें 'उ' के बाद 'अ' आने से 'व' बना है। यण संधि, स्वर संधि का एक प्रकार है।
22. (d)
सही वाक्य है- हम तो अवश्य जायेंगे, किसी आदमी को भेज दो, चरखा चलाना चाहिए, एक-एक कर सभी मर गए।
23. (a)
अदांत-जिसकी इन्द्रियाँ वश में न हो, अदाय- पैतृक संपत्ति का अंश न पाने योग्य, अदीक्षित- जिसे दीक्षा न मिली हो, अत्वरा- शीघ्रता का अभाव।
24. (b)
अगेह का अर्थ - 'जिसके पास घर बार न हो' होता है। आगे आने या जानेवाला -अगुआ , जो गाढ़ा न हो- अघन और शीघ्रता का अभाव- अत्वरा कहा जाता है।
25. (d)
संगीत, विरह और न्याय पुल्लिंग शब्द हैं जबकि अहिंसा स्त्रीलिंग शब्द है
26. (b)
The Amazon rainforest is referred to as the "lungs of the Earth" because it plays a crucial role in absorbing carbon dioxide and producing oxygen, contributing to the global balance of these gases.
27. (b)
The Amazon rainforest affects regional weather patterns by generating moisture that contributes to rainfall both within and beyond the Amazon basin.
28. (b)
The passage highlights logging, agricultural expansion, and mining as the primary threats to the Amazon rainforest, leading to significant deforestation and habitat loss.
- 29 (c)
Deforestation in the Amazon rainforest can lead to the endangerment of species and disruption of climate stability, as it impacts both local and global environmental systems.
30. (b)
Conservation efforts are crucial for preserving the Amazon rainforest's biodiversity and mitigating the impacts of climate change, ensuring the protection of this important ecological system.
31. (c)
"Cataclysmic" denotes a disaster of epic proportions, fitting for an eruption causing extensive damage.
32. (d)
The exclamation in indirect speech often maintains the emotion but changes the tense appropriately, so "is" changes to "was."
33. (a)
"Dull" is the opposite of "Vivid," as it describes something that is lacking in brightness, color, or interest.
34. (c)
The correct spelling is "Perseverance." The word "Perserverance" is a misspelling.
35. (a)
I. Correctly punctuated
An exclamation mark usually shows strong feeling, such as surprise, anger or joy. Using an exclamation mark when writing is rather like shouting or raising your voice when speaking
II. Correct statement is I don't often go swimming; I prefer to play tennis.
Semicolon is used to separate sentences that are grammatically independent but that have closely connected meaning.
36. (c)
A "road hog" is someone who drives in a way that takes up more than their fair share of the road, often causing problems for other drivers.
37. (c)
An exclamation mark usually shows strong feeling, such as surprise, anger or joy. Using an exclamation mark when writing is rather like shouting or raising your voice when speaking.
Commas separate parts of a sentence into logical elements. Commas have no meaning, but they



help us to see the structure and therefore the meaning of the sentence

38. (b)

“Indifferent” means showing little interest or concern, which contrasts with what was expected in terms of enthusiasm.

39. (d)

Let the numbers be A, B and C.

$$A+B+C=131 \text{ then } A = 5B/6$$

$$B=B$$

$$C=9B/7.$$

$$A+B+C = 131$$

$$=5B/6+B+9B/7$$

on solving, we get $B = 42$

40. (d)

Logic => (First number)²+ First number = Second number.

Hence, $21^2+21 = 462$. Hence (d) is different.

41. (d)

Logic : First number : $2 \times (\text{First number})^2+1$

Hence, $18 : 2 \times 18^2 + 1 = 649$.

Similarly, $12 : 2 \times 12^2 + 1 = 289$

42. (d)

Let the distance be d. Time to travel from X to Y = $d/40$ hours. Time to return = $d/80$ hours. Total time = $d/40+d/80=6$. $d=160$ km.

43. (a)

The first digit has 2 choices (1 or 3). Each of the remaining 4 digits has 5 choices (1, 3, 5, 7, 9). So, the total number of such numbers is $2 \times 5^4 = 2 \times 625 = 1250$.

44. (d)

Total students = (Rank from top + Rank from bottom - 1) + Students who did not appear + Students who failed = $(10 + 15 - 1) + 8 + 6 = 38$.

45. (b)

When facing South and then turning 225° in the anti-clock wise direction, she will face North-West. Then turning 180° in the clock-wise direction from North-West, she will face South-East.

46. (a)

The phrase comes from boxing, in which a fighter indicates surrender by throwing a towel into the ring.

47. (d)

Let C, H be the number of cows & chickens resp.

- Each cow has 1 head and 4 legs.
- Each chicken has 1 head and 2 legs.
- Total heads: $C + H = 150$
- Total legs: $4C + 2H = 440$

Solving these equations, we get $C = 70$

48. (b)

Let total votes casted be x, then votes got by 1st candidate = $35x/100$ and votes got by 2nd candidate = $65x/100$

Then difference in votes = $360 = 65x/100 - 35x/100$

$$X = 1200$$

49. (d)

Logic: $1^3 + 1, 2^3 + 2, 3^3 + 3$, hence $6^3 + 6 = 222$

50. (d)

Difference in Place values :

Place value of N – place value of B = $14-2 = 12$,

Similarly, $HR = 18-8 = 10, RD = 18-4 = 14$

Hence, $PZ = 26 - 16 = 10$. Hence, it should be PZ 10

51. (b)

Brainstorming encourages free thinking and the generation of many solutions without judgment, which aligns with the described technique.

52. (a)

This statement is not correct. While many birds can fly, there are exceptions such as ostriches and penguins.

53. (c)

Psychological barriers include internal factors such as the speaker’s anxiety or lack of confidence, which can hinder effective communication.

54. (c)

The encoder converts the message into a form that can be transmitted over the communication channel.



55. (c)

Psychological barriers involve issues such as lack of interest or attentiveness, which affect how the message is received.

56. (c)

Using analogies and examples that relate to the audience's experience helps in making complex information more understandable.

57. (b)

Repeating key points helps reinforce the message and makes it more memorable for the audience.

58. (c)

The tone of voice is crucial for conveying nuances like sarcasm or irony that may not be apparent from the words alone.

59. (a)

An architect creates a blueprint for a building, and a composer writes a score for music. Both relationships involve a detailed plan or representation for their respective fields.

60. (d)

Let CP = x, then MP = 1.40x
 Discount = 25% of 1.40x = $0.25 \times 1.40x = 0.35x$
 SP = $1.40x - 0.35x = 1.05x$
 Profit = SP - CP = $1.05x - x = 0.05x$
 Profit Percentage = $(\text{Profit} / \text{CP}) \times 100$
 = $(0.05x / x) \times 100 = 5\%$

61. (d)

- Odd positions = 8, Even positions = 7 (total = 15)
- Sum of observations at odd positions = $15 \times 8 = 120$
- Sum of observations at even positions = $12 \times 7 = 84$
- Total sum = $120 + 84 = 204$
- Mean of all observations = $204 / 15 = 13.60$

62. (c)

Let C = Cost price of one item & S = Selling price of one item
 Total Cost = 40C, Total Selling Price = 40S
 Profit = Total Selling Price - Total Cost price,
 Profit = 40S - 40C

Given Profit = Selling Price of 8 items: 8S

So: $40S - 40C = 8S \rightarrow C = 4S/5$. Hence, Profit per item = $S - C = S/5$.

Hence Profit % = $(S/5)/(4S/5) \times 100 = 25\%$

63. (d)

The series represents series of factorials starting from 0!. Hence, next no. will be 5! i.e. 120

64. (a)

First n odd natural numbers are 1, 2, 3, 5, ..., (2n-1).

So, required mean = $1 + 3 + 5 + \dots + (2n-1) / n$
 \Rightarrow Required Mean = n.

65. (b)

Problem Space is the term that describes the complete range of possible solutions and actions available in the problem-solving process. It includes all possible states and paths that could be explored to find a solution.

66. (b)

Heuristics are used to simplify complex problems by offering practical shortcuts that can lead to quicker solutions, rather than ensuring a perfect or exhaustive analysis.

67. (d)

- Effective climb in 2 minutes = 4 meters - 3 meters = 1 meter.
- To reach 20 meters, calculate cycles:
 - Effective climb after 18 meters (in 36 minutes) is 18 meters.
 - The monkey needs 1 more minute to climb the final 4 meters.

Total time = 36 minutes + 1 minute = 37 minutes.

68. (a)

- Given percentage: 100 % \rightarrow 3600 then, 15%
 $3600 \times 15/100 = 540$

69. (c)

Let the temp. on 3rd of December be x C. Then
 $24.4 = 2x + 24 + x = 25.2 \text{ }^\circ\text{C}$

70. (b)

Let wine and water are 5x and 2x litres
 $5x + 2x = 49$
 $\Rightarrow 7x = 49$



$$x = 7$$

So

$$5x = 35, 2x = 14$$

$$\text{Now } 35/(14 + w) = 7/4 \Rightarrow 98 + 7w = 140$$

$$7w = 42 \Rightarrow w = 6$$

71. (d)

Let Shweta sell good at Rs. 100 So Preeti sell good at Rs. 75 Now this Rs. 75 is 25% dearer than Divya's i.e.

$$\text{Divya's price} \times 125/100 = 75$$

$$\dots \text{Divya's price} = 60$$

Divya's good is Rs. 40 cheaper than Shweta's in % term $(40/100) \times 100$ i.e. 40%

72. (c)

Let A requires x days then B requires 4x days.

According to given condition

$$4x - x = 45$$

$$3x = 45$$

$$x = 15.$$

Together they can finish

$1/15 + 1/60 = 5/60 = 1/12$ = part in a day So, it requires 12 days to finish the task together.

73. (c)

To form a triangle we have to connect any three points. i.e., in this case select any three points out of 18. This can be done in ${}^{18}C_3$ ways = 816 ways

74. (c)

Area of a triangle is directly proportional to square of its sides. So if side is increased by 200% or become three times area will become 9 times i.e. increased by 800%.

75. (c)

Sum of digits for all above except 606 is not divisible by 3.

76. (b)

Inductive reasoning evaluates conclusions based on the likelihood or probability that they are true, given the evidence. Deductive reasoning, on the other hand, guarantees the conclusion if the premises are true.

77. (b)

$A \cap B$ represents elements common to both A and B.

$B - (A \cap B)$ means we are removing the elements that are in both A and B from B.

Thus, $B - (A \cap B)$ is the set of elements that are in B but not in A, which simplifies to $B - A$.

78. (c)

Alex > Kevin > Laura, Kevin > John > Maria. Combining these, the order from tallest to shortest is: Alex > Kevin > John > Maria

79. (c)

Directive decision makers prioritize speed and efficiency, making quick and clear-cut decisions based on straightforward solutions.

80. (b)

Total occurrences of the digit '0' from 1 to 200:

- Units place: 20 occurrences
- Tens place: 11 occurrences

Hence, Total 31 occurrences.

81. (b)

- **Speed:** Kilometer per hour – Kilometer per hour is a unit of measurement for Speed.
- **Temperature:** Celsius – Celsius is a unit of measurement for Temperature.
- **Mass:** Kilogram – Kilogram is a unit of measurement for Mass.
- **Time:** Stopwatch – Stopwatch is an instrument used to measure Time

82. (c)

Let the height of the cone be h. Volume of the sphere = volume of the cone $\frac{4}{3} \times \pi \times r^3 = \frac{1}{3} \times \pi \times r^2 \times h$.

$$h = 4r$$

83. (b)

Volume of the resulting cube = Sum of the volume of the three cubes = $(6)^3 + (8)^3 + (10)^3 = 1728 \text{ cm}^3$

Side of the resulting cube = $\sqrt[3]{1728} \text{ cm} = 12 \text{ cm}$

84. (a)

Bag contains 4 black and 5 red balls, to get all black = ${}^4C_3 / {}^9C_3 = 4/84 = 1/21$

85. (d)

$$t = D/(S_B - S_S) \text{ (upstream)}$$

$$= 8/(12 - 2) = 8/10 = 8/10 \times 60 = 48 \text{ min}$$



86. (a)

In Allahabad we have 4 A's that is only one vowel & 4 consonants (B, D, H, L) So any four combination AB, AD, AH, AL are only 4 possibilities. Thus 4 ways.

Answer 87 to 88:

Let the number of sweets be x.

Number of sweets left with him after devoting in Temple.

$$= x - (x/2 - 1) = x/2 + 1$$

Number of sweets left with him after giving to the baggers = $x/2 - 2$

Number of sweets left with him after giving to the poor children = $1/2(x/2 - 2) = x/4 - 1$ Number of sweets left with him after giving to his brother = $x/4 - 2 = 1$

This gives $x = 12$.

87. (c)

88. (c)

89. (b)

90. (c)

When the mean is greater than the median, it typically indicates that the distribution is skewed to the right, with a longer tail on the right side.

91. (a)

The mean is most affected by extreme values or outliers because it takes all values into account in its calculation.

92. (c)

Histograms are used to represent the distribution of quantitative continuous data.

93. (a)

The correct sequence involves first formulating a hypothesis, designing the experiment, collecting

data, analyzing results, and finally reporting findings.

94. (b)

The representativeness heuristic involves assessing the likelihood of an event based on how similar it is to a prototype or stereotype, which can lead to biased judgments.

95. (c)

Active listening involves giving full attention without interrupting. Interrupting the speaker is generally considered disruptive and does not aid in better understanding.

96. (b)

Henri Fayol is known for his classic definition of management as a social process involving planning and regulating operations efficiently.

97. (a)

Predictive analysis uses simulations or models to forecast future outcomes and inform decision-making processes.

98. (b)

Improving clarity in written communication involves proofreading and revising to ensure the content is concise and straightforward.

99. (c)

Ego defense mechanisms can lead to defensiveness, making it difficult for individuals to accept and correctly interpret feedback.

100.(a)

Agile development is a method where solutions are tested and refined iteratively based on continuous feedback and results.

