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BIG LEARNINGS MADE EASY

CSE (PRELIMS) 2025 General Studies (Paper-II)

Answer Key & Reflections

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CSE PRELIMINARY EXAM | GENERAL STUDIES (Paper-II) | 2025

Q. No.	Set A	Set B	Set C	Set D	Q. No.	Set A	Set B	Set C	Set D
1	(c)	(d)	(a)	(d)	41	(b)	(b)	(a)	(b)
2	(d)	(d)	(d)	(a)	42	(c)	(d)	(c)	(c)
3	(d)	(b)	(a)	(d)	43	(c)	(d)	(c)	(d)
4	(d)	(b)	(d)	(a)	44	(d)	(b)	(c)	(d)
5	(c)	(b)	(c)	(c)	45	(d)	(d)	(c)	(c)
6	(a)	(b)	(d)	(c)	46	(c)	(c)	(b)	(a)
7	(c)	(b)	(b)	(b)	47	(c)	(c)	(a)	(d)
8	(b)	(b)	(d)	(c)	48	(d)	(a)	(d)	(b)
9	(d)	(c)	(b)	(d)	49	(a)	(a)	(d)	(b)
10	(a)	(b)	(c)	(c)	50	(c)	(c)	(d)	(c)
11	(d)	(a)	(c)	(d)	51	(b)	(a)	(b)	(b)
12	(a)	(d)	(d)	(d)	52	(c)	(c)	(c)	(d)
13	(d)	(a)	(d)	(b)	53	(d)	(c)	(c)	(d)
14	(a)	(d)	(d)	(b)	54	(d)	(c)	(d)	(b)
15	(c)	(c)	(c)	(b)	55	(c)	(c)	(d)	(d)
16	(c)	(d)	(a)	(b)	56	(a)	(b)	(c)	(c)
17	(b)	(b)	(c)	(b)	57	(d)	(a)	(c)	(c)
18	(c)	(d)	(b)	(b)	58	(b)	(d)	(d)	(a)
19	(d)	(b)	(d)	(c)	59	(b)	(d)	(a)	(a)
20	(c)	(c)	(a)	(b)	60	(c)	(d)	(c)	(c)
21	(a)	(d)	(d)	(c)	61	(a)	(b)	(b)	(b)
22	(d)	(a)	(d)	(d)	62	(c)	(c)	(d)	(c)
23	(a)	(d)	(b)	(d)	63	(c)	(d)	(d)	(c)
24	(d)	(a)	(b)	(d)	64	(c)	(d)	(b)	(d)
25	(c)	(c)	(b)	(c)	65	(c)	(c)	(d)	(d)
26	(d)	(c)	(b)	(a)	66	(b)	(a)	(c)	(c)
27	(b)	(b)	(b)	(c)	67	(a)	(d)	(c)	(c)
28	(d)	(c)	(b)	(b)	68	(d)	(b)	(a)	(d)
29	(b)	(d)	(c)	(d)	69	(d)	(b)	(a)	(a)
30	(c)	(c)	(b)	(a)	70	(d)	(c)	(c)	(c)
31	(d)	(c)	(d)	(a)	71	(b)	(b)	(b)	(a)
32	(d)	(d)	(a)	(d)	72	(d)	(c)	(c)	(c)
33	(b)	(d)	(d)	(a)	73	(d)	(c)	(d)	(c)
34	(b)	(d)	(a)	(d)	74	(b)	(d)	(d)	(c)
35	(b)	(c)	(c)	(c)	75	(d)	(d)	(c)	(c)
36	(b)	(a)	(c)	(d)	76	(c)	(c)	(a)	(b)
37	(b)	(c)	(b)	(b)	77	(c)	(c)	(d)	(a)
38	(b)	(b)	(c)	(d)	78	(a)	(d)	(b)	(d)
39	(c)	(d)	(d)	(b)	79	(a)	(a)	(b)	(d)
40	(b)	(a)	(c)	(c)	80	(c)	(c)	(c)	(d)

Reflections from NEXT IAS CSAT Anubhav Test

5. A solid cube is painted yellow on all its faces. The cube is then cut into 60 smaller but equal pieces by making the minimum number of cuts. Which of the following statements is/are correct?

I. The minimum number of cuts is 9.

II. The number of smaller pieces which are not painted on any face is 6.

Select the correct answer using the code given below:

(a) I only

(b) II only

(c) Both I and II

(d) Neither I nor II

Ans. (c)

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Page
4

7. The petrol price shot up by 10% as a result of the hike in crude oil prices. The price of petrol before the hike was 90 per litre. A person travels 2200 km every month and his car gives a mileage of 16 km per litre. By how many km should he reduce his travel if he wants to maintain his expenditure at the previous level?

(a) 180 km

(b) 200 km

(c) 220 km

(d) 240 km

Ans. (b)

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26. In a restaurant for a birthday party, if number of guests is 100 then the per plate cost is Rs. 1500 but if the number of guests become 'x', then per plate cost decreases by 20% while the overall expense increases by 20%. Find the value of 'x'.

(a) 60

(b) 100

(c) 150

(d) 120

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8. A spare parts making company has three units: Unit A, Unit B, Unit C, resulting in 40%, 30%, and 30% of the total manufactur respectively. Unit A, B, and C generate defective spare part rates of 2%, 3%, and 4%. If a spare part is selected randomly found to be defective, what is the probability it came from Unit E

(a) 0.31

(b) 0.6

(c) 0.7

(d) None of the above

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Page
5

8. A 4-digit number N is such that when divided by 3, 5, 6, 9 leaves a remainder 1, 3, 4, 7 respectively. What is the smallest value of N?

    (a)   1068

    (b)   1072

    (c)   1078

    (d)   1082

Ans. **(c)**

40. How many different 9-digit numbers can be formed from the number 441177222 by rearranging its digits so that the odd digits occupy even positions?

    (a) 60

    (b) 72

    (c) 78

    (d) 96

45. How many 4-digit numbers can be formed using the digits 1,2,3,4,....8 such that no two consecutive digits are the same?

    (a) 2401

    (b) 2354

    (c) 2744

    (d) 3136

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Page
6

15. What is the maximum value of n such that $7 \times 343 \times 385 \times 1000 \times 2401 \times 77777$ is divisible by 35^n?

(a) 3

(b) 4

(c) 5

(d) 7

Ans. **(b)**

15. $81^6 + 3^{27}$ is divisible by
(a) 4
(b) 7
(c) Both a and b
(d) None of the above

$81^6 + 3^{27} = (3^4)^6 + 3^{27}$

$3^{24} + 3^{27}$

$3^{24}(1 + 3^3)$

$3^{24} \times 28 = 2^{24} \times 4 \times 7$

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24. Find the maximum value of n such that $28 \times 41 \times 49 \times 57 \times 63 \times 69 \times 250 \times 243 \times 343 \times 490 \times 91$ is perfectly divisible by 42^n.
(a) 4
(b) 9
(c) 10
(d) 23

$(2 \times 3 \times 7) \times (2 \times 3 \times 7)$

$28 = 4 \times 7 = 2^2 \times 7$

$250 = 25 \times 10 = 5^3 \times 2$

$490 = 49 \times 10 = 7^2 \times 5 \times 2$

(4)

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Page
7

16. What is X in the sequence

24, X, 12, 18, 36, 90 ?

(a) 18

(b) 12

(c) 9

(d) 6

Ans. (b)

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8

25. A natural number N is such that it can be expressed as N = p + q + r, where p, q and r are distinct factors of N. How many numbers below 50 have this property?

(a) 6

(b) 7

(c) 8

(d) 9

Ans. (c)

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Page
9

26. Three prime numbers p, q and r, each less than 20, are such that p – q = q – r. How many distinct possible values can we get for (p+q+r)?

(a) 4

(b) 5

(c) 6

(d) More than 6

Ans. (a)

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35. Consider the first 100 natural numbers. How many of them are **not** divisible by any one of 2, 3, 5, 7 and 9?

(a) 20

(b) 21

(c) 22

(d) 23

Ans. (c)

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7. Find the number of natural numbers less than 9,000 which are formed by the digits 0, 2, 4, 6, 8.

(a) 422

(b) 444

(c) 475

(d) 499

1 digit = 4

2 digit = 4 × 5 = 20

3 digit = 4 × 5 × 5 = 100

4 digit = 3 × 5 × 5 × 5 = 375

                                        499

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Page
11

38. There are n sets of numbers each having only three positive integers with LCM equal to 1001 and HCF equal to 1. What is the value of n?

(a) 6

(b) 7

(c) 8

(d) More than 8

Ans. **(d)**

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39. Three positive integers A, B, and C are such that:
- A and B are co-prime
- LCM of A and C is 180
- HCF of B and C is 6

Consider the following statements:

1. The product of HCF and LCM of A and C is divisible by A.
2. The product of B and C is divisible by 6.

Which of the above statements is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

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39. Let PQR be a 3-digit number, PPT be a 3-digit number and PS be a 2-digit number, where P, Q, R, S, T are distinct non-zero digits. Further, PQR – PS = PPT. If Q = 3 and T < 6, then what is the number of possible values of (R, S)?

(a) 2

(b) 3

(c) 4

(d) More than 4

Ans. **(b)**

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Page
13

40. Consider the sequence AB_CC_A_BCCC_BBC_C that follows a certain pattern. Which one of the following completes the sequence?

(a) B, C, B, C, A

(b) A, C, B, C, A

(c) B, C, B, A, C

(d) C, B, B, A, C

Ans. (c)

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Page
14

45. P is the brother of Q and R. S is R's mother. T is P's father. How many of the following statements are definitely true?

I. S and T are a couple.

II. Q is T's son.

III. T is Q's father

IV. S is P's mother,

V. R is T's daughter.

VI. P is S's son.

Select the correct answer using the code given below:

(a) Only two

(b) Only three

(c) Only four

(d) Only five

Ans. **(c)**

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Page
15

46. If NO is coded as 210, NOT is coded as 4200 and NOTE is coded as 21000, then how is NOTES coded?

(a) 399000

(b) 420000

(c) 440000

(d) 630000

Ans. (a)

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24. In a certain code, MOBILE is coded as 121 & WATCH is coded as 110, then what will be the code for COMPUTER in that language?

(a) 188

(b) 196

(c) 210

(d) 222

13 + 15+2+9+12+5 = 56   56+65 =121

MOBILE = 121

23+1+20+3+ 8 = 55   55+55 =110

WATCH = 110

3 +15+13+16+21+20+5+18 = 111   111+111 =

COMPUTER =

Anubhav 2025

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47. If FRANCE is coded as 654321 and GERMANY is coded as 9158437, then how is YEMEN coded?

(a) 54321

(b) 81913

(c) 71913

(d) 71813

Ans. (d)

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49. X can complete one-third of a certain work in 6 days, Y can complete one-third of the same work in 8 days and Z can complete three-fourth of the same work in 12 days. All of them work together for n days and then X and Z quit and Y alone finishes the remaining work in $8\dfrac{2}{3}$ days. What is n equal to ?

(a)   3

(b)   4

(c)   5

(d)   6

Ans.   **(b)**

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Page
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50. What is X in the sequence

1, 3, 6, 11, 18, X, 42 ?

(a) 26

(b) 27

(c) 29

(d) 30

Ans. **(c)**

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Page
19

55. In a T20 cricket match, three players X, Y and Z scored a total of 37 runs. The ratio of number of runs scored by X to the number of runs scored by Y is equal to ratio of number of runs scored by Y to number of runs scored by Z.

Value-I = Runs scored by X

Value-II = Runs scored by Y

Value-III = Runs scored by Z

Which one of the following is correct?

(a)   Value-I < Value-II < Value-III

(b)   Value-III < Value-II < Value-I

(c)   Value-I < Value-III < Value-II

(d)   Cannot be determined due insufficient data

Ans.   (d)

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Page
20

56. Let p + q = 10 where p, q are integers.

Value-I = Maximum value of p × q when p, q are positive integers.

Value-II = Maximum value of p × q when p ≥ = − 6 q ≥ = −4

Which one of the following is correct?

(a) Value-I < Value-II

(b) Value-II < Value-I

(c) Value-I = Value-II

(d) Cannot be determined due to insufficient data

Ans. **(c)**

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28. A question is followed by two statements I and II. Consider the Question and the Statements.
Question: If X and Y are integers, is X divisible by 11?
Statement-I: Product of X and Y is divisible by 110
Statement-II: Y is divisible by 2
Which one of the following is correct in respect of the above Question and the Statements?
(a) The Question can be answered [...] one of the Statements alone, but cannot be answered using t[...] atement alone.
(b) The Question can be answered [...] ther Statement alone.
(c) The Question can be answered [...] h the Statements together, but cannot be answered using [...] lone.
(d) The Question cannot [...] using both the Statements together.

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15. Consider following including the question and statements:
Given, a and b are integers and a = 2, b > a
Question: Is $a^{66} < b^{22}$?
Statements
1. b is even.
2. b > 6
Which one of the following is correct in respect of the above Question and the Statements?
(a) The Question can be answered by using o[...] Statements alone, but cannot be answered using the othe[...] t alone.
(b) The Question can be answered by using eithe[...] t alone.
(c) The Question can be answered by using [...] Statements together, but cannot be answered using either S[...] e.
(d) The Question cannot be answered even [...] the Statements together.

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Page
21

58. The average of three numbers p, q and r is k. p is as much more than the average as q is less than the average. What is the value of r?
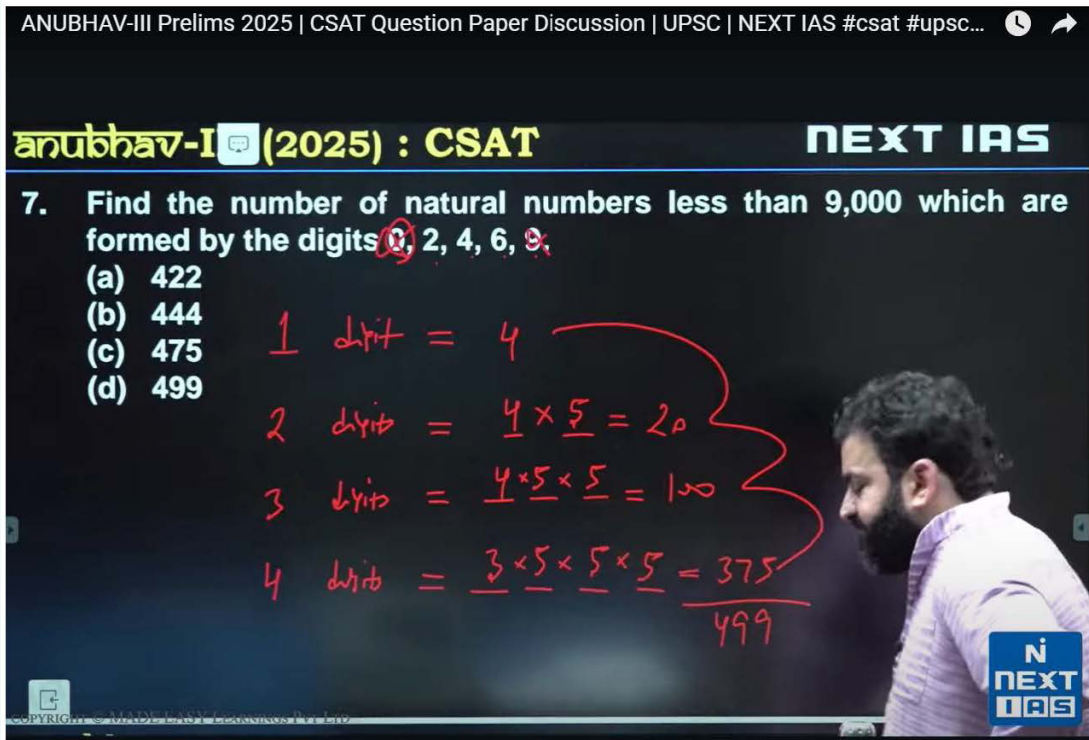
(a) k

(b) k–1

(c) k+1

(d) k/2

Ans. **(a)**

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77. Suppose the average (mean) of a data set consisting of $x_1, x_2, ..., x_n$ is x. If the last value x_n is replaced by another value k, what will be the new mean of the series?

(a) $x - x_n + k$

(b) $(nx - x + k)/n$

(c) $x_n - k/n$

(d) $(nx - x_n + k)/n$

$$x_n =$$

$$x = \frac{x_1 + x_2 + ... + x_n}{n}$$

$$nx = x_1 + x_2 + ... x_{n-1} + x_n$$

$$x_2 + ... + x_{n-1} + k$$

$$= nx - x_n + k$$

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Page
22

59. Let x be a real number between 0 and 1. Which of the following statements is/are correct?

I. $x^2 > x^3$

II. $x > \sqrt{x}$.

Select the correct answer using the code given below:

(a) I only

(b) II only

(c) Both I and II

(d) Neither I nor II

Ans. (a)

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Page
23

60. The difference between any two natural numbers is 10. What can be said about the natural numbers which are divisible by 5 and lie between these two numbers?

(a) There is only one such number.

(b) There are only two such numbers.

(c) There can be more than one such number.

(d) No such number exists.

Ans. **(c)**

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7. Find the number of natural numbers less than 9,000 which are formed by the digits 0, 2, 4, 6, 9.

(a) 422
(b) 444
(c) 475
(d) 499

1 digit = 4

2 digit = 4 × 5 = 20

3 digit = 4 × 5 × 5 = 100

4 digit = 3 × 5 × 5 × 5 = 375

499

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Page
24

65. A set (X) of 20 pipes can fill 70% of a tank in 14 minutes. Another set (Y) of 10 pipes fills 3/8th of the tank in 6 minutes. A third set (Z) of 16 pipes can empty half of the tank in 20 minutes. If half of the pipes of set X are closed and only half of the pipes of set Y are open, and all pipes of the set (Z) are open, then how long will it take to fill 50% of the tank?

(a) 8 minutes

(b) 10 minutes

(c) 12 minutes

(d) 16 minutes

Ans. **(d)**

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67. Let P = QQQ be a 3-digit number. What is the HCF of P and 481?

(a) 1

(b) 13

(c) 37

(d) 481

Ans. **(c)**

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70. Three teams P, Q, R participated in a tournament in which the teams play with one another exactly once. A win fetches a team 2 points and a draw 1 point. A team gets no point for a loss. Each team scored exactly one goal in the tournament. The team P got 3 points, Q got 2 points and R got 1 point. Which of the following statements is/are correct?

I. The result of the match between P and Q is a draw with the score 0 – 0.

II. The number of goals scored by R against Q is 1.

Which of the statements given above is/are correct?

(a) I only

(b) II only

(c) Both I and II

(d) Neither I nor II

Ans. (c)

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Page
27

75. There are 7 places A, B, C, D, E, F and G in a city connected by various roads AB, AC, CD, DE, BF, EG and FG. A is 6 km south of B. A is 10 km west of C. D is 5 km east of E. C is 6 km north of D. F is 9 km west of B. F is 12 km north of G. A person travels from D to F through these roads. What is the distance covered by the person?

(a) 20 km

(b) 25 km

(c) 31 km

(d) 37 km

Ans. **(c)**

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Page
28

76. In a certain code if 64 is written as 343 and 216 is written as 729, then how is 512 written in that code?

(a) 1000

(b) 1331

(c) 1728

(d) 2197

Ans. **(b)**

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47. If in a certain code language, 'GOD' is written as '86161453' and 'SKY' is written as '201812102624', then how will 'FUN' be written in that language?

(a) 5722161814

(b) 62022201513

(c) 7522201513 ✓

(d) 7522201614

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Page
29

77. What is the remainder when

$9^3 + 9^4 + 9^5 + 9^6 + \ldots + 9^{100}$

is divided by 6?

(a) 0

(b) 1

(c) 2

(d) 3

Ans. **(a)**

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Page
30