## SSC CGL Free Mock-6 [Held on 15th December]

Q1. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.
$72,56,42,30,20$, ?
(a) 22
(b) 20
(c) 12
(d) 62

Q2. Find the wrong number in the given series

$$
7,4,5,9,20,51
$$

(a) 4
(b) 5
(c) 51
(d) 20

Q3. . Which set of letters/ numbers when sequentially placed at the gaps in the given letter series shall complete it?
23B_6_FG_5D_8_HI
(a) C74E9
(b) D86C7
(c) C87D9
(d) SD876

Q4. Ramesh and Suresh are brothers. Dharmendra is the father of Ramesh and Sunita is the wife of Suresh's only brother. Sapna is the daughter of Sunita. How is Sapna related to Dharmendra?
(a) Daughter
(b) Sister-in-law
(c) Niece
(d) Granddaughter

Q5. Town $D$ is 13 Km . toward the East of town $A$. A bus start from town A travels 8 Km . towards west and takes a right turn. After taking the right turn, it travels 5 Km . and reaches town $B$. from town $B$ the bus takes a right turn again, travels 21 Km . and stops. How far and towards which direction must the bus travel to reach town $D$ ?
(a) 13 Km . towards South
(b) 5 Km . towards West
(c) 21 Km . towards South
(d) 5 Km . towards South

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Q6. Select the related word/letters/number from the given alternatives Scrap: Food: lees: ?
(a) Bread
(b) Tea
(c) Wine
(d) Rice

Q7. Select the related word/letters/number from the given alternatives
48: 122: : 168: ?
(a) 215
(b) 225
(c) 290
(d) 292

Q8. Which of the set is related to given set:
$(23,29,37)$
(a) $(13,15,23)$
(b) $(17,21,29)$
(c) $(31,37,49)$
(d) $(41,47,53)$

Q9. How many times in a day (in 24 hours), are the hands of a clock in straight line but opposite in direction?
(a) 20
(b) 22
(c) 24
(d) 48

Q10. Some equations are solved on the basis of a certain system. Using the same, solve the unsolved equation.
If $10-3=12,12-4=13,14-5=14$, then $16-6=$ ?
(a) 16
(b) 24
(c) 11
(d) 15

Q11. On $14^{\text {th }}$ Feb the valentine day, 2009 it was Saturday. What was the day of the week on $14^{\text {th }}$ Feb, 2008?
(a) Tuesday
(b) Sunday
(c) Thursday
(d) None of these

Q12. Find and the next series from the answer figure

(b)

(c)

(d)


Q13 In each of these questions, a group of letters is given, some of which are indexed as (a), (b), (c), (d). Arrange the letters properly to form a meaningful word and indicate the index of the last letter as your answer.
u
r
c
e
g
0
(a) r
(b) c
(c) e
(d) g

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Q14．If a mirror is placed on the right side of the given image，which of the answer figures is the right image of the given figure？

## RESEARCH

（a）

## НОЯАヨટヨЯ

（b）
НЯЭАヨટヨЯ
（c）

## НСЯАヨટЭЯ

（d）

## HCRAヨこヨЯ

Q15．If a paper（Transparent Paper）is folded in a manner and a design Cut or pattern punched Is made．When unfolded this paper appears as given below in the answer figure．Choose the correct answer figure given below．

## （1）


（2）

（3）


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(a)

(b)

(c)

(d)


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Q16. Following Questions has four alternatives, among which one completes the figures.


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(a)

(b)

(c)

(d)

(a)

(b)

(c)

(d)


Q18. Among the four alternatives choose which one can be the similar box as the question figure.

(a)

(b)

(c)

(d)


Q19. If SYSTEM is written as SYSMET and NEARER is written as AENRER, then FRACTION will be written as
(a) CARFNOIT
(b) NOITFRAC
(c) FRACNOIT

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(d) CARFTION

Q20. From the given alternative words, select the word which cannot be formed using letters of the given word.
IMPASSIONABLE
(a) IMPASSABLE
(b) IMPOSSIBLE
(c) IMPASSIVE
(d) IMPASSION

Q21. Select the related word/letters/number from the given alternatives BONUS : ACNPMOTVRT :: BUCKET: ?
(a) ACMNMOTURT
(b) ACTVBDJLDFSU
(c) ACMNMOTVRT
(d) SUOBN

Q22. Choose the correct figure that represents the given relation : Blue eyed, females, doctors (a)

(b)

(c)

(d)


Q23. . Select the missing number from the given responses.

| 963 | 2 | 844 |
| :--- | :--- | :--- |
| 464 | $?$ | 903 |

(a) 1
(b) 2
(c) 3
(d) 4

Q24.The diagram below represents people who speak English, Hindi or Tamil, Study the diagram and identify the people who speak neither English nor Hindi?

(a) K
(b) $\mathrm{M}+\mathrm{N}+\mathrm{O}+\mathrm{K}$
(c) $M+0+K$
(d) $\mathrm{I}+\mathrm{L}+\mathrm{J}+\mathrm{M}+\mathrm{N}+\mathrm{O}$

Directions(Q25) Two statements are given followed by three conclusions I, II and III. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

## Q25. Statements:

I. Some pens are pencils.
II. All pencils are erasers.

## Conclusions:

I. Some pens are erasers.
II. No pens are erasers.
III. Some erasers are pencils.
(a) Only conclusion (II) follows.
(b) Only conclusion (I) and (II) follow.
(c) Only conclusion (I) and (III) follow.
(d) No conclusion follows.

Q26. Which of the following is also called Adharvayuveda?
(a) Rigveda
(b) Yajurveda
(c) Samveda
(d) Atharveda

Q27.Who was the author of Buddha Charita?
(a) Asvaghosha
(b) Nagarjuna
(c) Nagasen
(d) Vasumitra

Q28. Which one of the following wars was ended by the treaty of madras?
(a) First Carnatic war
(b) Second Carnatic war
(c) First Mysore war
(d) Second Mysore war

Q29. Who among the following was not associated with Prarthana Samaj?
(a) Atmaram Pandurang
(b) R.G. Bhandarkar
(c) M.G. Ranade
(d) Devendra Nath Tagore

Q30. Which one of the following planets is the brightest?
(a) Mars
(b) Mercury
(c) Venus
(d) Jupiter

## Q31. Tropopause separates

(a) Troposphere and ozonosphere
(b) Stratosphere and Troposphere
(c) Stratosphere and Ionosphere
(d) Troposphere and Ionosphere

Q32. Which of the following rivers is not the tributary of Yamuna?
(a) Chambal
(b) Betwa
(c) Ken
(d) Gandak

Q33. Who among the following was a non-congress member of the Constituent Assembly?
(a) J.B. Kripalani
(b) Dr. B.R. Ambedkar
(c) K.M. Munshi
(d) T.T. Krishnamachari

Q34.Which of the following articles makes the Supreme Court a Court of Record?
(a) 127
(b) 128
(c) 129
(d) 130

Q35.GDP at factor cost is
(a) GDP minus indirect taxes plus subsidies
(b) GNP minus depreciation allowances
(c) NNP plus depreciation allowances
(d) GDP minus subsidies plus indirect taxes

Q36. Thillana is a format of
(a) Kuchipudi
(b) Odissi
(c) Baharatanatyam
(d) Kathak

Q37. FiFi awards are given in $\qquad$ industry?
(a) Film
(b) Home Appliances
(c) Perfumes
(d) Automobiles

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Q38.The function of nucleolus is the synthesis of
(a) DNA
(b) m-RNA
(c) r-RNA
(d) t-RNA

Q39.Which one among the following water-borne diseases is not caused by a bacteria?
(a) Cholera
(b) Typhoid
(c) Bacillary dysentery
(d) Hepatitis A

Q40.Which of the following is not a nitrogenous fertilizer?
(a) Calcium cyanide
(b) Ammonium suplphate
(c) Sodium nitrate
(d) Urea

Q41.Which has maximum calorific value?
(a) Fat
(b) Protein
(c) Carbohydrate
(d) Amino acid

Q42.Which of the following electromagnetic wave has the longest wavelength?
(a) Infrared rays
(b) Gamma rays
(c) Light rays
(d) Ultra-violet rays

Q43.When water is heated from $0^{\circ} \mathrm{C}$ to $4^{\circ} \mathrm{C}$, its volume
(a) Increases
(b) Decreases
(c) First increases then decreases
(d) Remains the same

Q44. Red light is used as danger signal because it
(a) Is scattered least
(b) is comfortable for eyes
(c) Produces least chemical reactions
(d) Absorbs least in air

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Q45. Which city in India is the least populated according to the $\mathbf{2 0 1 1}$ census?
(a) Kapurthala
(b) Datia
(c) Nagda
(d) Banswara

Source: SSC CPO 2019 MOCK -12 (Q93, Q97)
Q46.The first-ever Indo-US tri-services 'Tiger Triumph' has started in which state?
(a)Madhya Pradesh
(b)Andhra Pradesh
(c)Himachal Pradesh
(d)Myanmar

Q47.What is the India's rank at the WEF's World Travel and Tourism Competitiveness Index (TTCI) 2019?
(a) 34th
(b) 58th
(c)61th
(d)25th

Source: SSC CPO 2019 MOCK-14 (Q99-Q100)
Q48. Who has been awarded with Nobel Prize in Physics 2019 for theoretical discoveries in physical cosmology?
(a)Arthur Ashkin
(b)Donna Strickland
(c)James Peebles
(d)Michel Mayor

Q49. Which organization has released the report "World Development Report 2020"?
(a)World Bank
(b)UNCTAD
(c)World Trade Organization (WTO)
(d)UNESCO

Q50. What is the national game of Bangladesh?
(a) Football
(b) Kabaddi
(c) Cricket
(d) Kho Kho

Q51. If $a+b+c=11$ and $a b+b c+c a=3$, then $a^{3}+b^{3}+c^{3}-3 a b c$ is equal to
(a) 1188
(b) 1398
(c) 1198
(d) 1232

Q52. If, $x=(1+\sin \theta)(1+\sin \alpha)(1+\sin \beta)=(1-\sin \theta)(1-\sin \alpha)(1-\sin \beta)$, then find the value of $x$
(a) $\pm \cos \theta \cdot \cos \alpha \cdot \cos \beta$
(b) $\pm \cos ^{2} \theta \cdot \cos ^{2} \alpha \cdot \cos ^{2} \beta$
(c) $\pm \sec \theta \cdot \sec \alpha \cdot \sec \beta$
(d) $\pm \sin \theta \cdot \sin \alpha \cdot \sin \beta$

Q53. If $21 \tan \theta=20$, find the value of $\frac{1+2 \sin \theta \cos \theta}{1-2 \sin \theta \cos \theta}$
(a) 1781
(b) 1681
(c) 1531
(d) 1981

Q54. What should be the minimum number added to $545 \times 546$ to make it a perfect square?
(a) 545
(b) 375
(c) 546
(d) None of these

Q55. Walking $\frac{7}{8}$ of his speed, Amit reached his office 20 minutes late than usual time. His usual time in minutes is
(a) 2 hours
(b) 2 hours 10 minutes
(c) 2 hours 30 minutes
(d) 2 hours 20 minutes

Q56. The monthly salary of A and B together amount to Rs. 20000. A spends $85 \%$ of his salary and $B$ spends $95 \%$ of his salary. If now their savings are the same then salary of $A$ is?
(a) 5500 Rs .
(b) 5000 Rs .
(c) 8000 Rs .
(d) 9000 Rs .

Q57. Sum of Rs. 345600 amounts to Rs. 439400 in 3 years. Find the rate of compound interest?
(a) $6 \frac{2}{3} \%$
(b) $8 \frac{1}{3} \%$
(c) $12 \frac{1}{2} \%$
(d) $7 \frac{9}{13} \%$

Q58. Find the value of $x$ in the equation $18.75 \%$ of $1400-87.5 \%$ of $320=x-6.5^{2}$
(a) 24.75
(b) 23.25
(c) 25.75
(d) 27.125

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Q59. A contestant ' $A$ ' received 1400 votes in an election, getting approx. 35\% of the total valid votes approximately. What $\%$ of the remaining votes would he need to win the election by 1000 votes. (It is given that only 2 contestants are running in the election)
(a) $39.6 \%$
(b) $42.3 \%$
(c) $62.4 \%$
(d) $55.5 \%$

Q60. A plane divides a right circular cone into two parts of equal volume. If the plane is parallel to the base, then the ratio in which the height of the cone is divided is
(a) $1: \sqrt[3]{2}$
(b) $1: \sqrt{2}$
(c) $1: \sqrt[3]{2}-1$
(d) $1: \sqrt[3]{2}+1$

Q61. $\triangle A B C \sim \Delta X Y Z$ and area of $\triangle A B C$ is 2 times of that of $\Delta X Y Z$. If $A B=6 \mathrm{~cm}$, what is the value of $X Y$.
(a) 4.242 cm
(b) 4.048 cm
(c) 3.248 cm
(d) None of these

Q62. A person travels a distance of 648 km by train, car and bus respectively in the ratio $29: 21: 22$. If he spends $4 \mathrm{Rs} . / \mathrm{km}$, 5Rs./km and 6Rs./km on traveling by train, car and bus respectively. What is the total costs he spend during his journey?
(a) Rs. 3177
(b) Rs. 3227
(c) Rs. 5177
(d) Rs. 2177

Q63. If $\mathrm{a}: \mathrm{b}=5: 7, \mathrm{~b}: \mathrm{c}=8: 9$ then $\mathrm{a}: \mathrm{b}: \mathrm{c}$ is equal to
(a) $40: 63: 55$
(b) $56: 63: 40$
(c) $40: 63: 56$
(d) $40: 56: 63$

Q64. In a circle with centre0; an arc ABC, subtends an angle of $70^{\circ}$ at the centre of the circle. Chord $A B$ is produced to point $P$. Find $\angle P B C$
(a) $35^{\circ}$
(b) $40^{\circ}$
(c) $45^{\circ}$
(d) $55^{\circ}$

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Q65. The sum of $\mathrm{l}, \mathrm{b} \& \mathrm{~h}$ of a cuboid is 14 cm and its Total surface Area is $96 \mathrm{~cm}^{2}$. Find the maximum length of the stick which can placed inside the cuboid ?
(a) 8 cm
(b) 10 cm
(c) 16 cm
(d) 12 cm

Q66. Find the polar co-ordinate of a point (3, 2 ) ?
(a) $\sqrt{13} \cos \frac{3}{\sqrt{13}}, \sqrt{13} \sin \frac{2}{\sqrt{13}}$
(b) $\sqrt{13} \sin \frac{2}{\sqrt{13}}, \sqrt{3} \sin \frac{2}{13}$
(c) $\sqrt{13} \cos \frac{2}{13}, \sqrt{3} \sin \frac{2}{13}$
(d) none of these

Q67. If $x^{3}+\frac{1}{x^{3}}=2$, find the value of $x^{6}+\frac{1}{x^{6}}$.
(a) 4
(b) 2
(c) 8
(d) 12

Q68. In the given figure the ratio of radius of the sector and the in circle is 3:1. What is the ratio of their areas?

(a) $3: 2$
(b) $4: 3$
(c) $5: 3$
(d) $6: 15$

Q69. On decreasing price of pens by Rs. 4 / dozen a person buys 12 more pens. For Rs. 48 find new price of pens per dozen?
(a) 8
(b) 10
(c) 16
(d) 12

Q70. If $5 r=h+\sqrt{r^{2}+h^{2}}$, then $r: h$ is ?
(a) $7: 12$
(b) $5: 11$
(c) $5: 14$

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(d) $5: 12$

Q71. $13^{\text {th }}$ year compounded amount is 1024 . Find the compound interest of $10^{\text {th }}$ year, if rate of interest is $14 \frac{2}{7} \%$ ?
(a) 443
(b) 512
(c) 343
(d) 686

Q72. What is the percent profit if $34 \%$ of the cost price is $26 \%$ of selling price?
(a) $25.16 \%$
(b) $74 \%$
(c) $30.77 \%$
(d) $88.40 \%$

Directions (73-74): following bar chart represents the number of people in 6 different villages (A, B, C, D, E and $F$ ) and the tabular column depicts the ratio of literate to illiterate people and percentage of male living in those villages.


| Village | Literate : Illiterate | \% of male |
| :---: | :---: | :---: |
| A | $2: 3$ | 52 |
| B | $11: 9$ | 65 |
| C | $13: 2$ | 45 |
| D | $4: 1$ | 70 |
| E | $1: 3$ | 39 |
| F | $11: 19$ | 75 |

Q73. What is the ratio between number of illiterate people from villages $B, C$ \& $D$ to number of female from villages $\mathrm{A}, \mathrm{E}$ and F ?
(a) $320: 527$
(b) $527: 330$
(c) $330: 527$
(d) $527: 320$

Q74. Total number of females from villages $A, B, E, F$ is equal to ?
(a) 2635
(b) 2735
(c) 3335
(d) 3435

Q75. In the adjoining figure, chord ED is parallel to the diameter AC of the circle. If $\angle \mathrm{CBE}=65^{\circ}$, then what is the value of $\angle D E C$ ?

(a) $35^{\circ}$
(b) $55^{\circ}$
(c) $45^{\circ}$
(d) $25^{\circ}$

Q76. Given below are four jumbled sentences. Select the option that gives their correct order.
A. Reconstruct in their heads the period when the sun never set on the British Empire.
B. In its compound lie buried several figures who landscaped the colonial era, and a mere walk.
C. As far as colonial-era monuments go, St. John's Church in Kolkata is by far the richest in terms of history.
D. In the churchyard - looking at the tombstones and tablets - can help discerning visitors.
(a) BDAC
(b) CDBA
(c) CBDA
(d) BADC

Q77. In the sentence identify the segment which contains the grammatical error. The church, run by the Calcutta Diocese, (A)/ may be rich in history (B)/ but remain cashstrapped. (C)/ No error (D)
(a) A
(b) B
(c) C
(d) D

Q78. Select the wrongly spelt word.

ENGLISH

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(a) Musoleum
(b) Grievous
(c) Apartheid
(d) Dispossession

Q79. Select the most appropriate meaning of the given idiom.
Spick and Span
(a) High and low
(b) Dark and light
(c) Neat and clean
(d) Happy and sad

Q80. Select the word which means the same as the group of words given.
Something widely feared as a possible dangerous occurrence.
(a) spectre
(b) beguile
(c) monolith
(d) canny

Q81. In the sentence identify the segment which contains the grammatical error. Several MPs questioned the adequacy of criminal laws and (A)/ a judicial system that permitted under-age convicts (B)/ to get away with lenient punishment (C)/ No Error (D)
and others sentenced to death to escape the noose through mercy petitions. (C)/ No error (D)
(a) A
(b) B
(c) C
(d) D

Q82. Improve the bracketed part of the sentence.
As protests rocked Hyderabad (demanding speed justice), four lorry workers, arrested on charges of raping and killing the veterinarian returning from work, were kept in solitary confinement.
(a) to demand speed justice
(b) demanding speedy justice
(c) to demand speedy justice
(d) no improvement

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Q84. Select the antonym of the given word.
Jocund
(a) Dejected
(b) Genial
(c) Radiant
(d) Jovial

## Q85. Select the synonym of the given word.

## Lascivious

(a) Puritanical
(b) Ascetic
(c) Luxurious
(d) Lecherous

Directions (86-90): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
The Transgender Persons (Protection of Rights) Bill, 2019, has continued to trigger protests across the country. Without addressing the concerns of the LGBTQ community and considering any amendment to the draft Bill, the Rajya Sabha has passed the $\qquad$ version of the draft law that was passed by the Lok Sabha.
In April 2019, the Madurai Bench of the Madras High Court delivered a historic judgment in Arunkumar v. The Inspector General of Registration. This judgment marks the beginning of a normative journey of intersex human rights in India. The court took up the issue of validity of consent given on behalf of intersex infants for undergoing sex selective surgeries. It held that the consent of the parent cannot be considered as the consent of the child. Hence, such surgeries should be $\qquad$ . This is a $\qquad$ judgment as it recognises the consent rights of intersex children and the right to bodily integrity. The judgment declared a prohibition on sex selective surgeries on intersex children in Tamil Nadu. Complying
$\qquad$ the directions of the court, Tamil Nadu banned sex $\qquad$ surgeries on intersex infants and children. As the Transgender Bill also deals with issues related to human rights protection of intersex persons, it needs to be examined in light of the developments of intersex human rights.

Q86. the Rajya Sabha has passed the $\qquad$ version of the draft law that was passed by the Lok Sabha.
(a) idle
(b) latest
(c) same
(d) different

Q87. Hence, such surgeries should be $\qquad$ .
(a) permitted
(b) prohibited
(c) continued
(d) developed

Q88. This is a $\qquad$ judgment as it recognises the consent rights of intersex children and the right to bodily integrity.
(a) histrionic
(b) bizarre
(c) momentary
(d) momentous

Q89. Complying $\qquad$ the directions of the court,
(a) with
(b) on
(c) for
(d) to

Q90. Tamil Nadu banned sex $\qquad$ surgeries on intersex infants and children.
(a) determination
(b) arrangement
(c) rearrangement
(d) determining

Q91. Select the synonym of the given word.

## Commodious

(a) comic
(b) spacious
(c) enemy
(d) companion

Directions (92-93): In the following questions, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

Q92. Nobody can bring a smile on his face.
(a) A smile on his face can be brought by nobody.
(b) Nobody can make him smile.
(c) A smile on his face cannot be brought.
(d) On his face a smile could not be brought.

Q93. I would like someone to complete the task.
(a) Someone to complete the task would be liked by me.
(b) It would be liked by me if someone completes the task.
(c) If someone completes the task, it would be liked by me.
(d) I would like the task to be completed.

Q94. Given below are four jumbled sentences. Select the option that gives their correct order.
A. The CAG report came down heavily on the Department of Transport and the Department of Tourism.
B. And laxity which has cost hundreds of crores of rupees to the exchequer.
C. On Tuesday criticised different government bodies for their lapses.
D. A Comptroller and Auditor General (CAG) report tabled in the Delhi Assembly.
(a) ACBD
(b) DCBA
(c) ABCD
(d) CBDA

Q95. Select the word with the incorrect spelling.
(a) Palliate
(b) Obsequeous
(c) Lassitude
(d) Irrepressible

Q96. Select the most appropriate meaning of the given idiom.
To drive someone up the wall
(a) to make someone very irritated
(b)to break the barriers of misunderstanding between two persons
(c) to encourage someone
(d) to be the cause of someone's success

Q97. Improve the bracketed part of the sentence.
The novel written by him is (much) interesting.
(a) much many
(b) very
(c) too much
(d) no improvement

Q98. Select the most appropriate word to fill in the blank.
There is also a chance of $\qquad$ rivalries within the Communist Party flaring up as Mr. Xi's policies take a hit.
(a) glimmering
(b) garrulous
(c) internecine
(d) independent

Q99. Select the antonym of the given word.
Nauseous
(a) Benevolent
(b) Covetous
(c) Vernacular
(d) Loathsome

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Q100. Select the word which means the same as the group of words given.
A feeling of intense longing for something
(a) Yearning
(b) Apathy
(c) Satiety
(d) Gratification

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