

SSC CGL Free Mock-5 [Held on 8th December]

Q1. Which number will replace the question mark (?) in the following series? 4,18,48,100,180,294,

(a) 416

(b) 480

(c) 512

(d) 448

Q2. In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

- (a) (14, 29, 43)
- (b) (15, 31, 46)
- (c) (18, 37, 52)
- (d) (13, 27, 40)

Q3. Select the option that is related to the third letter-cluster in the same way as the second lettercluster is related to the first letter-cluster.

KR:NU::TV:?

- (a) XZ
- (b) WY
- (c) VX
- (d) ZB

Q4. How many rectangles are there in the following figure?



(a) more than 20

- (b) 15
- (c) 16
- (d) 17



Q5. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

KLM, PQR, VWX, ?

(a) ABC

(b) GHI

(c) CDE

(d) TVX

Q6. Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pairs.

58:89

(a) 47:74

(b) 15:26

(c) 48:95

(d) 65:454

Q7. Pointing towards a lady in a picture, Jatin says, "She is the only daughter-in-law of my paternal grandfather's wife." How is the lady related to Jatin?

(a) Cousin

- (b) Mother
- (c) Sister
- (d) Niece

Q8. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- (a) BDFH
- (b) MOQS
- (c) SUWY
- (d) TVZE

Q9. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(2,14 ,16) (a) (2,7 ,8) (b) (2,9,16) (c) (3,21,24) (d) (4,16 ,18)

Q10 The statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow (s) from the statements.

Statements:

I. All books are bats.II. All bats are wickets.

III. Some wickets are noun

Conclusions:

I. Some wickets are books.

- II. All bats are noun.
- III. Some bats are noun is a possibility
- (a) Only conclusion (I) follows.
- (b) Only conclusion (III) follows.
- (c) Neither conclusion (I) nor conclusion (II) follows.
- (d) Both conclusions I and III follow.

Q11. In the given question, select the related pair from the given alternatives Run : Race

- (a) Enjoy : Journey
- (b) Lecture : Study
- (c) Study : Book
- (d) Party : Dance

Q12. The positions of the first and the fifth digits in the number 83256479 are interchanged. Similarly the positions of the second and the sixth digits are interchanged and so on. Which of the following will be the third to the right of the seventh digit from the right end after rearrangement?

- (a) 3
- (b) 4
- (c) 7
- (d) None of these

Q13. Rearrange the letters given below to form a meaningful word and select from the given alternatives the word which is almost opposite in meaning to the word so formed.

R B A N O E H C E R

- (a) Liking
- (b) Happy
- (c) Aversion
- (d) Apprehension

Q14. Riya left home for school. She moved 5 km in the east direction, then she turned towards south-east to move 10 km, again she turned towards northeast to move for another 10 km. From there, she finally moved 5 km towards east to reach her school. How far is she from her home?

(a) $10 + 10\sqrt{2}$ km (b) $10 + 20\sqrt{2}$ km (c) $20 + 10\sqrt{2}$ km (d) $15 + 20\sqrt{2}$ km

Q15. If '+' means division, '-' means multiplication, '+' means subtraction, '×' means addition, and < means less than, then which of the following is false?

(a) (10+2)÷7 < (10÷7)+2 (b) (10-7) ×2 < (10×2)-7 (c) (10×7)-2< (10 - 2) ×7 (d) (10÷2)+7 < (10+7) ×2</pre>

Direction (16); In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

Q16.									
	3	6		5	10		7	14	
j	72	18		120	30		?	42	
((a) 84								
((b) 136	6							
((c) 144	ŀ							
		_							

(d) 168

Q17. Arrange the given words in the sequence in which they occur in the dictionary.

- 1. Brain
- 2. Brand
- 3. Beep
- 4. Boxer
- 5. Boxed
- (a) 35412
- (b) 45312
- (c) 34512
- (d) 43512

Q18. Which of the following terms follows the trend of the given list? BAAAAAA, AAAAAAB, ABAAAAA, AAAAABA, AABAAAA, ______.

- (a) AB<mark>AAABA</mark>
- (b) AA<mark>AABAA</mark>
- (c) BAAAAAA
- (d) AAAAABA

Q19. If "A" denotes "multiplied by", "B" denotes "subtracted from", "C" denotes "added to" and "D" denotes "divided by", then 8 B 31 C 49 D 7 A 16 = ?

- (a) 89
- (b) 98
- (c) 102
- (d) 11



Q20.From the given options, which figure can be formed by folding the figure given in the question?



Q21. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?









Q22. In the following figure, rectangle represents Engineers, circle represents Art critics, triangle represents Comedians and square represents Asians. Which set of letters represents Asians who are both Art critics as well as Engineers?

вН

E F

н

con

D

(a) ECB (b) AB (c) B (d) BH

Q23. In the following question, select the related word pair from the given alternatives.

- Truck : Vehicle : : ? : ?
- (a) Car : Road
- (b) Road : Stones
- (c) Scooter : Tyre
- (d) Gre<mark>en : Colour</mark>

Q24. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

- **30 ÷ 2-10 x 6 + 5 = 35** (a) + and ÷ (b) - and +
- (c) ÷ and x
- (d) + and x

Q25. Six batteries are kept one above the other. Jumbo is just above Pick. The Volt is between Tank and Ping. Lift is between Jumbo and Tank. Which battery is at second position from the bottom?

- (a) Pick
- (b) Tank
- (c) Volt
- (d) Jumbo

Q26.Which river of Africa crosses the Tropic of Capricorn twice?

- (a) Congo
- (b) Limpopo
- (c) Niger
- (d) Zambezi

Q27. How many states of India touches the boundary of Pakistan?

- (a) 4
- (b) 3
- (c) 5
- (d) 6

Q28. Ganga is a result of the confluence of rivers --- .

- (a) Bhagirathi and Alakananda at Dev Prayag
- (b) Bhagirathi and Alakananda at Karan Prayag
- (c) Bhagirathi and Alakananda at Gangotri
- (d) Bhagirathi and Alakananda at Rudra Prayag

Q29.Name the state where density of population is the lowest (a) Meghalaya (b) Mircort

- (b) Mizoram
- (c) Arunachal Pradesh
- (d) Sikkim

Q30. The founder of the Bahmani Kingdom was

- (a) Alauddin Mujahid Shah
- (b) Ahmed Shah
- (c) Alauddin Bahaman Shah
- (d) Tajuddin Firoz Shah

Q31. Who was the founder of Pushtimarg?

- (a) Chaitanya Mahaprabhu
- (b) Vallabhacharya
- (c) Madhavacharya
- (d) Yamunacharya

Q32.Where did the British East India Company open its first factory in India?

- (a) Masulipatanam
- (b) Surat
- (c) Bharuch
- (d) Mumbai



com

Q33. Who among the following was a contemporary of Alexander the great?

- (a) Chandragupta Maurya
- (b) Pushyamitra Sunga
- (c) Bimbisara
- (d) Ashoka

Q34. National girl child day is celebrated every year on

- (a) 26th January
- (b) 24th January
- (c) 29th July
- (d) 24th June

Q35. Which committee was constituted for reforms in tax-structure?

- (a) Narsimham Committee
- (b) Chelliah Committee
- (c) Gadgil Committee
- (d) Kelkar Committee

Q36. Who was the world's first woman prime minister

- (a) Indira Gandhi
- (b) Sirimavo Bandaranaike
- (c) Golda meir
- (d) Elisabeth Domitien

Q37. In India, the project Elephant was started in

- (a) 1979
- (b) 1973
- (c) 1992
- (d) 1982

Q38. Who is the final authority to interpret the Constitution?

- (a) The President
- (b) The Parliament
- (c) The Lok Sabha
- (d) The Supreme Court

Q39. Which is the first state in South India to introduce Panchayati Raj?

- (a) Andhra Pradesh
- (b) Kerala
- (c) Tamil Nadu
- (d) Karnatka

Q40. Wavelength range of visible light is

- (a) 200 900 nm
- (b) 600 780 nm
- (c) 100 200 nm
- (d) 400 700 nm

Q41. Rainbow is formed due to

- (a) refraction, reflection and dispersion of light through a water droplet
- (b) reflection and dispersion of light through a water droplet
- (c) only refraction of light
- (d) only dispersion of light

Q42.LPG is a mixture of

- (a) butane and hydrogen
- (b) butane and oxygen
- (c) butane and propane
- (d) methane and oxygen

ریال A gy positrons waves Q44. Which is the rarest naturally occurring element of earth? (a) Gold (b) Antimony (c) Germanium [d] Astatine

Q45.Sickle-cell anemia is a disease caused due to the abnormality in

- (a) white blood cells
- (b) red blood cells
- (c) thrombocytes
- (d) blood plasma composition

Q46. Ex Vaira Prahar 2019 is the joint military exercise between India & which country?

- (a) United States
- (b) Japan
- (c) Germany
- (d) Sri Lanka

Q47. Which Indian personality has been conferred the highest Civilian Honour of Comoros?

- (a) Rajnath SIngh
- (b) Narendra Modi
- (c) Ram Nath Kovind
- (d) M Venkaiah Naidu

Q48. Who has been bestowed with the lifetime achievement award at the 2019 Indian Sports Honours (ISH)?

- (a) Kapil Dev
- (b) Milkha Singh
- (c) Pullela Gopichand
- (d) Karnam Malleswari

Q49.The SUMAN initiative has been launched for which purpose?

- (a) Explore Ionosphere
- (b) Alert fishermen from upcoming disasters
- (c) Student learning Programme
- (d) Quality health care

Q50.Which among the following is a martial dance?

- (a)Kathakali
- (b)Bamboo
- (c)Chhau
- (d)Bhangra

Q51. AB is a chord of a circle. D and C are two points on the major segment of the circle such that $\angle DAB = 75^{\circ}$ and $\angle ABD = 55^{\circ}$. Find the value of $\angle ACB$.

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- (a) 50°
- (b) 55°
- (c) 75°
- (d) 45°

Q52. If $\theta = 59^\circ$, then $\frac{1}{2}\sqrt{1 + \sin\theta} + \frac{1}{2}\sqrt{1 - \sin\theta}$ is equal to

- (a) $\cot \frac{\theta}{2}$ (b) $\sec \frac{\theta}{2}$
- (c) $\sin\frac{\theta}{2}$
- (d) cos

Q53. In a triangle ABC, $AD \perp BC$, $BE \perp AC$. AD and BE cut at F. If BF = AC, than $\angle ABC = ?$

- (a) 60°
- (b) 75°
- (c) 45°
- (d) 30°

Q54. 3 men, 4 women and 6 boys together can complete a work in 6 days. A woman does triple the work a man does and a boy does half the work a man does. How many women alone will be able to complete the work in a day and a half?

- (a) 18
- (b) 24
- (c) 16
- (d) 15



Q55. If $m + \frac{1}{m-6} = 8$, $(m-2)^3 + \frac{1}{(m-6)^3} = ?$ (a) 77 $\sqrt{3}$ (b) 58 (c) 126 (d) 72 $\sqrt{3}$

Q56. A shopkeeper sold two same articles to two different buyers Aman and Bhuwan claiming to give them a discount of 46% to Aman and successive discount of 20% and 20% to Bhuwam. If the market price of article is Rs 5260. What is the difference in the amount paid by Aman and Bhuwan?

- (a) 444 Rs
- (b) 526 Rs
- (c) 677 Rs
- (d) None of these

Q57. 9 $\frac{5}{6}$ ÷ $\left[3\frac{1}{5}$ ÷ $\left\{7\frac{1}{2} - \left(3\frac{1}{3} + \frac{7}{6}\right)\right\}\right]$ is equal to (a) $\frac{49}{4}$ (b) $\frac{285}{32}$ (c) $\frac{59}{4}$ (d) $\frac{295}{32}$

Q58 The sum of the reciprocals of the ages of two brothers Mahesh Babu and Ravi Teja is five times the difference of the reciprocals of their ages. If the ratio of the product of their ages to the sum of their ages is

14.4 : 1, find their ages.

- (a) 36 and 24 yr
- (b) 24 and 20 yr
- (c) 18 and 15 yr
- (d) 12 and 9 yr

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Q59. If a^3-b^3 = 117, and a-b = 9, then (a+b)^2-ab is equal to
(a) 17
(b) 13
(c) 23
(d) None of these
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Q60. The average weight of A,B,C and D is 40 kg. If a new person E is also included in the group, then the average weight of the group is increase by 1 kg. Again a new person F replaces A, then the new average of 5 person becomes 42. Find the average weight of B, C, D and F.

(a) 40.75 kg
(b) 40.25 kg
(c) 42.75 kg
(d) 41.25 kg

Q61. Arun starts cycling from a point A with a speed of 10 km/hr. After 4 hours of his cycling, Ram starts walking from point A in the same direction that of Arun, with a speed of 6 km/hr. What will be distance between them, when Ram reachs the distance of $7\frac{1}{r}$ km.

- (a) 44.8 km
- (b) 45 km
- (c) 45.8 km
- (d)43.8 km

Q62. In a given figure AD:DB = 3:2, BE:EC = 3:2, DE:EF = ?



- (c) 1:2
- (d) 3:5

Q63. Even after reducing the marked price of a pen by Rs. 34, a shopkeeper makes a profit of 14%. If the cost price be Rs. 340, what percentage of profit does he make if he sells the pen at the marked price?

a)15% b)16% c)24% d)25%

```
Q64. The value of,
2\cos 10^\circ + \sin 100^\circ + \sin 1000^\circ + \sin 10000^\circ is
(a) \cos 10^{\circ}
(b) -1
(c) 0
(d) sin10°
```

Q65. A student required 33% marks to pass the exam. He scored 28% marks but failed by 26 marks. Find the total marks?

- (a) 520
- (b) 780
- (c) 260
- (d) 330

Q66. A certain sum of money becomes $\frac{625}{256}$ times of itself in 1 year when the interest is compounded quarterly. Then find the rate of interest per annum?

(a) 125% (b) 166.66%

(c) 180%

(d)100%

Q67. A can do a piece of work in 36 days and B can do same work in 56 days. What will be the ratio of wages that A and B would have earned if they both had contributed in the two times of the work.

(a) 9:14

(b) 14:9

(c) 28:36

(d) None of these

Q68. A sphere of radius 6cm is melted and recasted into spheres of radius 2 cm each. How many such sphere can be made?

(a) 27

(b) 25

(c) 36

(d) 24

Q69. A person observes from a tower that a car is moving towards tower. If car takes 36 minutes to change the angle of the depression from 30° to 60°. In how many more minutes will the car reach at tower?

3.

- (a) 18 min
- (b) 12 min
- (c) 36 min
- (d) None of these

Q70. Express 0. 73469 in $\frac{p}{2}$ form

- (a) $\frac{73439}{99900}$ (b) $\frac{73469}{99900}$ (c) $\frac{73396}{99900}$ (d) $\frac{73394}{99900}$

Q71. The cost of an apple is $33\frac{1}{3}\%$ less than the cost of 1 mango. If a man sells four apples at the cost price of five mangoes what is his profit percentage?

(a) 75% (b) 81%

- (c) 87.5%
- (d)90%

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Direction (72-74): The bar chart given below shows the sale of mobiles by 4 brands (in '000 units)



Q72. By what % is the sales of brand 4 is more than that of brand 3?

- (a) 12%
- (b) 44.8%
- (c) 21.67%
- (d) 27.5%

Q73. What is the percentage increase in the total number of mobiles sold by these four brands from 2014 to 2016?

- (a) 42.16
- (b) 38.63
- (c) 32.43
- (d) 30.16

Q74. In 2017 the sales of each brand increased by the same percentage respectively as it did in the year 2016 as compared to 2015. What will be the approximate average sales (in units) of mobiles per brand in year 2017?

- (a) 9175
- (b) 8360
- (c) 9436
- (d) 9678

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Q75. A trader has 50 kg of India Gate Classic rice, a part of which he sells at 10% profit and the rest at 5% loss. He gain 7% on the whole. How much rice was sold at 10% gain and how much was sold at 5% loss respectively?

- (a) 40 kg and 15 kg
- (b) 30 kg and 10 kg
- (c) 35 kg and 40 kg
- (d) 40 kg and 10 kg

Q76. Given below are four jumbled sentences. Select the option that gives their correct order.

A. Mr. Trump's immigration policies have disrupted the reforms.

B. And Spanish-speaking voters while attracting working-class white voters in the heartland.

C. He has reshaped the Republican Party by alienating many business-minded.

D. Engineered by Republican Presidents Reagan and Bush and Democrats Clinton and Obama. (a) CBDA

- (b) ADCB
- (c) DABC
- (d) CDAB

Q77. In the sentence identify the segment which contains the grammatical error.

It is inconceivable that any effort to ostensibly ameliorate (A)/ the fortunes of a particular group should be completely (B)/ impervious to the entreaties of intended beneficiaries. (C)/ No Error **(D)**

- (a) A
- (b) B
- (c) C
- (d) D

Q78. Select the wrongly spelt word.

- (a) Sobrique
- (b) Rendezvous
- (c) Lacuna
- (d) Albeit

Q79. Select the most appropriate meaning of the given idiom.

Fabian policy

- (a) policy of making quick decisions
- (b) policy of delaying decisions
- (c) policy of making wise decisions
- (d) policy to create an egalitarian society

Q80. Select the word which means the same as the group of words given. One extremely fond of one's wife

- (a) Virtuoso
- (b) Ephemeral
- (c) Uxorious
- (d) Gregarious

Q81. In the sentence identify the segment which contains the grammatical error.

The Act's long history trace back to the judgment (A)/ in NALSA vs Union of India of April 2014, which directed (B)/ the Centre and State to grant legal recognition for the third gender. (C)/ No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Q82. Improve the bracketed part of the sentence.

The Cartosat-3 was separated about 18 minutes after lift-off and the customer satellites were injected into their orbits one by one and (the mission completed 27 minutes) after launch.

- (a) mission completed 27 minutes
- (b) the mission was completed 27 minutes
- (c) the mission would be completed 27 minutes
- (d) No improvement

Q83. Select the most appropriate word to fill in the blank.

The verdict helped ______ India's grandest constitutional guarantees, but it also provoked strong criticism.

- (a) diminish
- (b) swaddle
- (c) stifle
- (d) burnish

Q84. Select the antonym of the given word. Grapple

- (a) clench
- (b) clasp
- (c) unleash
- (d) seize

Q85. Select the synonym of the given word.

Conjecture

- (a) Synchronous
- (b) Surmise
- (c) Coetaneous
- (d) Coeval

Direct<mark>ions (86-90): In the f</mark>ollowing 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.

Three ___86___ significant artefacts — a pair of 'Dwarapala' (door guardians) from Tamil Nadu and one 'Nagaraja' (serpent king) from either Rajasthan or Madhya Pradesh, purchased from idol smuggler Subhash Kapoor — ___87___ returned to India by the Australian government during Prime Minister Scott Morrison's visit to India in January 2020.

A joint media statement from Mr. Morrison, Minister for Foreign Affairs and Minister for Women Marise Payne and Paul Fletcher, MP and Minister for Communications Cyber Safety and the Arts, read: "The artefacts which <u>88</u> held by the National Gallery of Australia (Gallery), were purchased in good faith, but extensive research



undertaken by the gallery has led to its decision to ___89___ return these artefacts to India."

_90___ the Dwarapalas from Tamil Nadu are said to be from the 15th century, the Nagaraja, dated 6th to 8th century, is from Rajasthan or Madhya Pradesh.

Q86. Three <u>86</u> significant artefacts

(a) culturally

- (b) historic
- (c) histrionic
- (d) historical

Q87. purchased from idol smuggler Subhash Kapoor — ___87___ returned to India by the Australian government on

- (a) would be
- (b) were
- (c) will be
- (d) are

Q88. The artefacts which ____88___ held by the National Gallery of Australia

- (a) was
- (b) will be
- (c) were
- (d) are

Q89. but extensive research undertaken by the gallery has led to its decision to __89__ return these artefacts to India.

- (a) voluntary
- (b) voluntarily
- (c) openly
- (d) undoubtedly

Q90. <u>90</u> the Dwarapalas from Tamil Nadu are said to be from the 15th century

- (a) While
- (b) Although
- (c) Yet
- (d) Since

Q91. Select the synonym of the given word.

Febrile

- (a) quench
- (b) fertile
- (c) blossom
- (d) feverish

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. The Election Commission has made a final list of all the voters.

- (a) The Election Commission has been making a final list of all the voters.
- (b) A final list of all the voters have been made by the Election Commission.
- (c) A final list of all the voters has been made by the Election Commission.
- (d) A final list of all the voters is being made by the Election Commission.

Q93. Who did your assignment?

- (a) By whom your assignment was done?
- (b) By whom was your assignment done?
- (c) Whom was your assignment done by?
- (d) By whom your assignment were done?

Q94. Given below are four jumbled sentences. Select the option that gives their correct order.

- **A.** Law and to rules of procedure framed by the court.
- B. But this authority is subject to both parliamentary.
- C. On the Supreme Court to review its own decisions.
- **D.** Article 137 of the Constitution confers an express power.
- (a) BADC
- (b) DCBA
- (c) DBCA
- (d) BCDA

Q95. Select the word with the incorrect spelling.

- (a) Quissling
- (b) Quintessence
- (c) Qui<mark>etude</mark>
- (d) Qu<mark>ixotic</mark>

Q96. Select the most appropriate meaning of the given idiom.

Eat one's words

- (a) take a statement back
- (b) to fulfil one's promise
- (c) to become very angry
- (d) to repeat after someone

Q97. Improve the bracketed part of the sentence.

(Each of us are) free to formulate our own views on the court's original judgment.

- (a) Each of we are
- (b) Anyone among us are
- (c) Each of us is
- (d) No improvement

Q98. Select the most appropriate word to fill in the blank. The actions of the Maharashtra Governor over the last few days

invited scrutiny.

- (a) has
- (b) have
- (c) had been
- (d) did

Q99. Select the antonym of the given word. Imperious

- (a) authoritarian
- (b) bullish
- (c) assertive
- (d) meek

rds giv Q100. Select the word which means the same as the group of words given. To allay the sorrow or grief

- (a) to lament
- (b) to console
- (c) distress
- (d) wail

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