PREVIOUS YEAR PAPER

SSC CGL 2024 Tier I — 24 September 2024, Shift 1

SSC CGL · 24 September 2024 · 9:00 AM - 10:00 AM

97 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 3 (any question that needs a figure or formatting we cannot show, has no answer in the response sheet, or could not be checked against a second copy of the paper).

Questions from the Staff Selection Commission's paper of 24 September 2024, 9:00 AM - 10:00 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-cgl/previous-year-papers/ssc-cgl-2024-tier-1-24-sep-shift-1/

General Intelligence and Reasoning

1. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. _TUVTR_WU_UXVN_Y

(a) SUUP

(b) SUPU

(c) SVUP

(d) PSVU

Answer: (b)

2. Three 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: All spoons are forks. All forks are knives. No knife is a spatula. Conclusions:
I. Some knives are spoons.
II. No fork is a spatula.
III. Some spoons are spatulas.

(a) Only conclusions I and II follow

(b) Neither conclusion follows

(c) Only conclusion III follows

(d) Only conclusion I follows

Answer: (a)

3. Select the number from the given options to complete the series. 32, 36, 44, 56, 72, ___

(a) 92

(b) 90

(c) 98

(d) 80

Answer: (a)

4. What will come in place of the question mark (?) in the following equation, if ‘+’ and ‘–’ are interchanged and ‘×’ and ‘÷’ are interchanged? 125 ÷ 5 + 1809 × 9 – 14 = ?

(a) 384

(b) 438

(c) 483

(d) 348

Answer: (b)

5. Select the triad in which the numbers are related in the same way as are the numbers of the given triads. (8, 9, 7), (24, 13, 35) (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(a) (17, 11, 23)

(b) (21, 12, 32)

(c) (11, 15, 19)

(d) (28, 19, 56)

Answer: (a)

6. ‘RX-21’ is related to ‘UU-11’ in a certain way. In the same way, ‘PM-39’ is related to ‘SJ-29’. To which of the following is DP-17 related, following the same logic?

(a) GM-7

(b) GM-10

(c) HO-10

(d) HN-7

Answer: (a)

7. In a certain code language, 'PUPIL' is written as '162116912' and 'PURGE’ is written as '16211875'. How will 'PURSE' be written in that language?

(a) 126118195

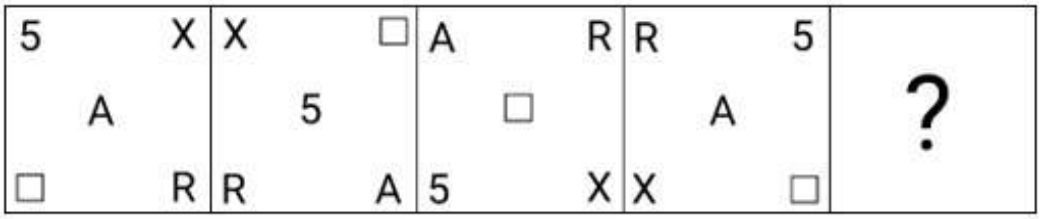
(b) 162118159

(c) 162111895

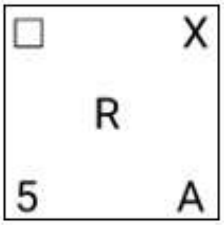
(d) 162118195

Answer: (d)

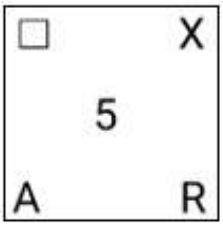
8. Which figure should replace the question mark (?) if the following series were to be continued?



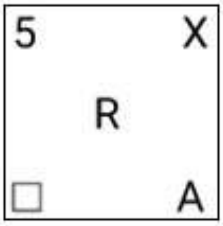
(a)



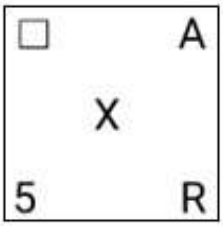
(b)



(c)



(d)



Answer: (b)

9. What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '×' and '−' are interchanged? 20 + 4 ÷ 2 × 3 − 6 = ?

(a) 2

(b) −7

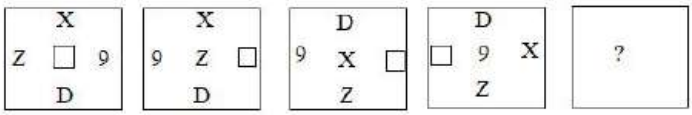
(c) −11

(d) −9

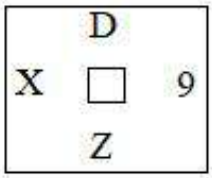
Answer: (c)

10.

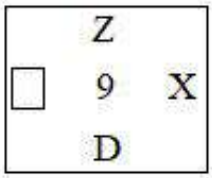
Select the figure from among the given options that can replace the question mark (?) in the following series.



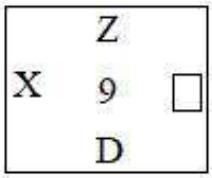
(a)



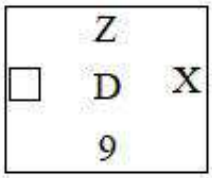
(b)



(c)

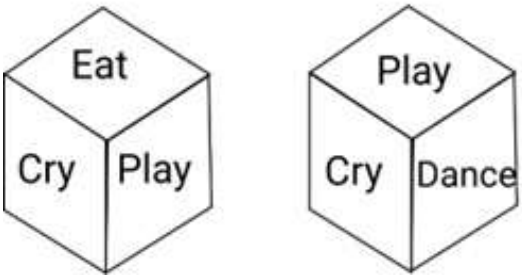


(d)



Answer: (d)

11. Six words ‘Eat’, ‘Play’, ‘Cry’, ‘Sleep’, ‘Dance’ and ‘Run’ are written on different faces of a dice. Two positions of this dice are shown in the figure below. Find the word on the face opposite to ‘Eat’.



(a) Sleep

(b) Dance

(c) Play

(d) Cry

Answer: (b)

12. The position of how many letters will remain unchanged if each of the letters in the word ‘DELIGHT’ is arranged in the English alphabetical order?

(a) One

(b) None

(c) Two

(d) Three

Answer: (d)

13. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some Mirrors are Decoratives. No Decorative is a Plant. All Plants are Trees. Conclusions:
(I) Some Mirrors are Plants.
(II) Some Decoratives are Trees.

(a) Only conclusion (II) follows.

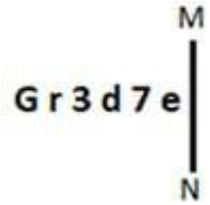
(b) Both conclusions (I) and (II) follow.

(c) Only conclusion (I) follows.

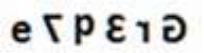
(d) Neither conclusion (I) nor (II) follows.

Answer: (d)

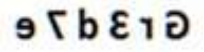
15. Select the correct mirror image of the given figure when the mirror is placed at MN.



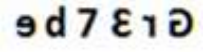
(a)



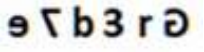
(b)



(c)

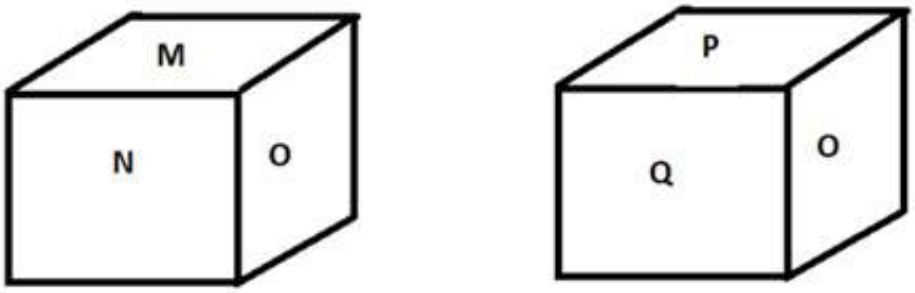


(d)



Answer: (b)

16. Six letters M, N, O, P, Q and R are written on different faces of a dice. Two positions of this dice are shown in the figure below. Find the letter on the face opposite to O.



(a) R
(b) P
(c) Q
(d) M

Answer: (a)

17. In a certain code language, 'LIGHT' is coded as '25709' and 'SIGHT' is coded as '97065'. What is the code for 'S' in that language?

(a) 7
(b) 6
(c) 0
(d) 2

Answer: (b)

18. Three of the following four options are [illegible] in [illegible]ertain way and thus form a group. Which is the one that does NOT belong to that group? (NO[illegible]erations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(a) 12 – 122 – 99
(b) 89 – 212 – 34
(c) 23 – 84 – 38
(d) 58 – 139 – 23

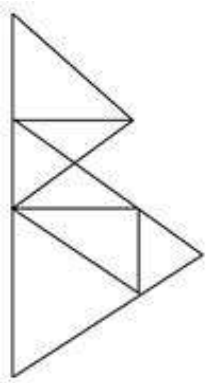
Answer: (a)

19. Select the option in which the numbers share the same relationship as that shared by the given pair of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/ multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 33 : 340 48 : 490

(a) 31 : 279
(b) 44 : 460
(c) 63 : 640
(d) 27 : 270

Answer: (c)

20. How many triangles are there in the figure given below?



(a) 13
(b) 12
(c) 11
(d) 10

Answer: (c)

21. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. LOI: QTN :: VES:AJX :: AND: ?

(a) FSJ
(b) FTI
(c) FTJ
(d) FSI

Answer: (d)

22. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different. The odd one out is not based on the number of consonants/vowels or their position in the letter cluster

(a) CBE
(b) NMP
(c) UTW
(d) LKM

Answer: (d)

23. Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete? TGO, VIN, XKM, ZML, ?

(a) BOK
(b) XKO
(c) BOM
(d) BNN

Answer: (a)

24. 61 is related to 18 following a certain logic. Following the same logic, 213 is related to 38. To which of the following is 509 related, following the same logic? (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(a) 66

(b) 78

(c) 64

(d) 72

Answer: (a)

25. If A is the sister of B, C is the daughter of A, D is the sister of A and E is the brother of C. How is D related to E?

(a) Mother's father

(b) Mother's brother

(c) Mother's sister

(d) Mother's mother

Answer: (c)

General Awareness

1. AR Rehman, Gulzar and _____ won the 52nd annual Grammy Award for the best motion picture song 'Jai ho'.

(a) Danny Boyle

(b) Tanvi Shah

(c) Dev Patel

(d) Freida Pinto

Answer: (b)

2. Raziya Sultan was the first and only female ruler of the Sultanate, who ascended the throne in:

(a) 1238 AD

(b) 1236 AD

(c) 1241 AD

(d) 1242 AD

Answer: (b)

3. By which National Waterways (NW) of India, are the delta channels of Mahanadi and Brahmani rivers and East Coast Canal connected?

(a) NW 1

(b) NW 3

(c) NW 2

(d) NW 5

Answer: (d)

4. The Working Group under the chairmanship of _____ in the year_____ proposed a new intermediate monetary aggregate to be referred to as NM2.

(a) Dr. C Rangarajan; 1996

(b) Dr. YV Reddy; 1998

(c) Dr. KV Kamath; 1995

(d) Dr. PK Mohanty; 1998

Answer: (b)

5. In which state of India is the Tadoba National Park located?

(a) Maharashtra

(b) Gujarat

(c) Madhya Pradesh

(d) Kerala

Answer: (a)

6. Which fundamental duty applies to you when you see your college friends start fighting with the canteen person when he passed a few anti-religious statements?

(a) To promote harmony and spirit of brotherhood

(b) To value and preserve the rich heritage

(c) To develop the scientific temper, humanism, and the spirit of inquiry

(d) To protect and improve our natural environment

Answer: (a)

7. When was the All India Trade Union Congress (AITUC) established?

(a) 1926

(b) 1924

(c) 1928

(d) 1920

Answer: (d)

8. Who founded the Arya Samaj in Mumbai in 1875?

(a) Swami Dayanand Saraswati

(b) Debendranath Tagore

(c) Swami Vivekanand

(d) Raja Ram Mohan Roy

Answer: (a)

9. By which of the following methods do red algae reproduce?

(a) Grafting

(b) Cutting

(c) Micropropagation

(d) Fragmentation

Answer: (d)

10. Who is called the father of Local Self-Government in India?
    (a) Lord Cornwallis
    (b) Lord Wellesley
    (c) Lord Ripon
    (d) Lord William Bentinck

    Answer: (c)

11. Which of the following is NOT a physical change?
    (a) Heating of iron rod to red hot
    (b) Curdling of milk
    (c) Evaporation of diesel
    (d) Sublimation of NH_4Cl

    Answer: (b)

12. Who among the following Indian cricketers were named the Wisden's cricketer of the year in the 2022 edition of the Almanack?
    (a) Surya Kumar Yadav and Axar Patel
    (b) Virat Kohli and Bhuvneshwar Kumar
    (c) Rohit Sharma and Jasprit Bumrah
    (d) Rohit Sharma and Virat Kohli

    Answer: (c)

13. Which of the following is responsible for the red colour of beetroot?
    (a) Curcumin
    (b) Betanin
    (c) Beta carotene
    (d) Lycopene

    Answer: (b)

14. According to the Census of India 2011, which group of Union Territories has the highest density of population?
    (a) Lakshadweep, Daman and Diu and Puducherry
    (b) Delhi, Chandigarh and Daman and Diu
    (c) Delhi, Chandigarh and Puducherry
    (d) Lakshadweep, Daman and Diu and Chandigarh

    Answer: (c)

15. Which Article deals with the election of the President?
    (a) Article 72
    (b) Article 54
    (c) Article 74
    (d) Article 66

    Answer: (b)

16. Identify an example of plasma as a state of matter.
    (a) Blood
    (b) Dry ice
    (c) Freon
    (d) Neon sign bulbs

    Answer: (d)

17. Classical Sarod player, Amjad Ali Khan was awarded _____ in 2001 by the Government of India.
    (a) Bharat Ratna
    (b) Padma Shri
    (c) Padma Vibhushan
    (d) Padma Bhushan

    Answer: (c)

18. Which of the following statements is correct?
    (a) Pond water and sea water are considered as fresh water.
    (b) Sea water is freshwater habitat.
    (c) Rivers and sea water are considered as fresh water.
    (d) Rivers, creeks, lakes, ponds, and streams are all freshwater habitats.

    Answer: (d)

19. Mahendravarman I who wrote Mattavilasa-prahasana is related to which of the following ruling dynasties?
    (a) Maitraka
    (b) Pallava
    (c) Pushyabhuti
    (d) Chalukya

    Answer: (b)

20. Who is considered the highest law officer of the state in India?
    (a) Advocate general
    (b) Attorney general
    (c) Chief justice of high court
    (d) Auditor general

    Answer: (a)

21. Which of the following Constitution Amendment Bills is related to the provision of modifying the list of Scheduled Caste in Tamil Nadu?
    (a) The Constitution (Scheduled Tribes) Order (Amendment) Bill, 2019
    (b) The Constitution (Scheduled Tribes) Order Amendment Act, 2013
    (c) The Constitution (Scheduled Caste) Order (Amendment) Bill, 2015
    (d) The Constitution (Scheduled Castes) Order (Amendment) Bill, 2021

    Answer: (d)

22. What is the primary benefit offered to businesses in Special Economic Zones (SEZs)?
    (a) Tax and duty concessions
    (b) Guaranteed market share
    (c) Mandatory government contracts
    (d) Unlimited foreign investment

    Answer: (a)

23. Which of the following countries will host the ICC men's Cricket World Cup in the year 2031?
    (a) India, Bangladesh
    (b) India, Sri Lanka
    (c) Sri Lanka and Pakistan
    (d) Sri Lanka and Bangladesh

    Answer: (a)

24. By what name is the festival of Makar Sankranti celebrated in Assam?
    (a) Pedda Padunga
    (b) Thai Pongal
    (c) Pongal
    (d) Magh Bihu

    Answer: (d)

25. Which of the following terms is related to football?
    (a) Third man
    (b) Bicycle Kick
    (c) Overs
    (d) LBW

    Answer: (b)

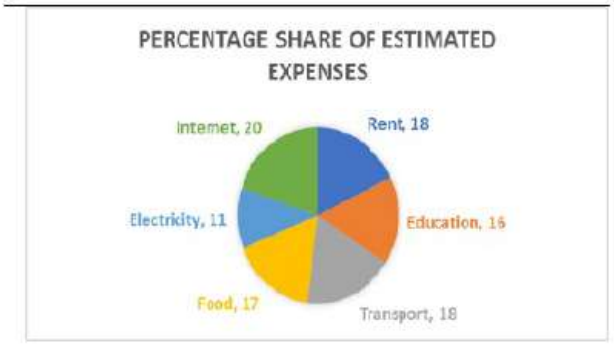
Quantitative Aptitude

1. If
$\sec\theta = \sqrt{2}$
, then
$\operatorname{cosec}\theta$
is equal to:
    (a) √2
    (b) 1
    (c) 0
    (d) −1

    Answer: (a)

2.

The below figure shows the estimated expenses of a family whose total estimated expenditure was ₹2,50,000. Study the figure and answer the question that follows.



It was found that the actual expenditure on electricity was 10% more than the estimated expenditure, and the actual expenditure on rent was 20% less than estimated. All other expenses were same as that of the estimates. What was the total actual expenditure?

(a) ₹2,40,750
(b) ₹2,52,500
(c) ₹2,48,750
(d) ₹2,43,750

Answer: (d)

3. One pipe can fill a tank 6 times faster than another pipe. If both the pipes together can fill the tank in 40 minutes, then in how many minutes will the lower pipe alone be able to fill the tank?

(a) 275
(b) 285
(c) 290
(d) 280

Answer: (d)

4. In how much time (in years, rounded off to 2 decimal places) will ₹10,800 amount to ₹24,800 if invested at simple interest at the rate of 15.5% per annum?

(a) 7.72
(b) 8.36
(c) 9.54
(d) 6.89

Answer: (b)

5. Find the greatest value of ‘k’ in a 6-digit number 6745k2 such that the number is divisible by 3.

(a) 8
(b) 6
(c) 9
(d) 7

Answer: (c)

6. In an election between two candidates, 80% of the voters cast their votes, out of which 4% votes were declared invalid. A candidate got 15,360 votes which were 80% of the valid votes. Find the total number of votes.

(a) 20,000

(b) 18,000

(c) 25,000

(d) 23,000

Answer: (c)

7.

Simplify the following expression.

$$(3x + 17 - 2y)(3x - 17 - 2y)$$

(a)

$$9x^2 + 12xy + 4y^2 - 289$$

(b)

$$9x^2 - 6xy + 4y^2 - 289$$

(c)

$$9x^2 - 12xy + 4y^2 + 289$$

(d)

$$9x^2 - 12xy + 4y^2 - 289$$

Answer: (d)

8. If

$\sin 3A = \cos(A - 26^\circ)$

,then A = _____, where 3A is an acute angle.

(a)

78°

(b)

26°

(c)

29°

(d)

52°

Answer: (c)

9. Triangle XYZ is an isosceles triangle with sides XY = XZ. If the measure of angle Y is 80°, what is the measure of angle X?

(a) 30°

(b) 40°

(c) 20°

(d) 50°

Answer: (c)

10. What conclusion can be drawn about the solution of the following system of linear equations in two variables: 3x + 2y = 7 2x + 3y = 7

(a) No solution

(b) Unique solution

(c) Infinite solutions

(d) More than two solution

Answer: (b)

11.

The given table shows the expenditure (in crore ₹) of three companies A, B and C and the percentage profit of these companies in different years. Given that:

$$\text{Income} = \text{Expenditure} + \text{Expenditure} \times \frac{\text{Profit \%}}{100}$$

Years	Company A		Company B		Company C	
	Expenditure	Profit	Expenditure	Prof	Expenditure	Profit
2002	24	50%	20	40	40	45%
2003	30	45%	15	2	50	55%
2004	36	40%	25	[illegible]	60	65%
2005	40	60%	35	[illegible]%	80	75%

What is the difference (in crore ₹) between the profits of Company A and Company B in the year 2005?

(a) 10.4

(b) 8.3

(c) 12.5

(d) 7.2

Answer: (d)

12. Amit's father is aged five times more than Amit. After 6 years, he would be three and a half times of Amit's age. After further 9 years, how many times of Amit's age would he be?

(a) $2\frac{1}{4}$ times

(b) $2\frac{3}{7}$ times

(c) $2\frac{3}{4}$ times

(d) $3\frac{2}{7}$ times

Answer: (b)

13. In what ratio, sugar costing ₹78 per kg be mixed with sugar costing ₹46 per kg such that by selling the mixture at ₹75 per kg there is a gain of 20%?

(a) 33 : 37

(b) 31 : 29

(c) 37 : 31

(d) 33 : 31

Answer: (d)

14. A thief is spotted by a policeman from a distance of 100 m. The thief starts running and the policeman chases him. If the speed of thief and policeman are 21 km/h and 23 km/h, respectively, then how far will the thief have to run before he is over taken?

(a) 1020 m

(b) 1050 m

(c) 1090 m

(d) 1080 m

Answer: (b)

15.

If $2\sin^2\theta + 3\sin\theta - 2 = 0, (0 < \theta < 90°)$, then the value of θ is:

(a)

$30°$

(b)

$15°$

(c)

$45°$

(d)

$60°$

Answer: (a)

17. The given table shows the percentage of students passing out of college M over five years.

Years	College M
2018	68
2019	72
2020	40
2021	80
2022	92

What is the percentage increase in the num udents passing out of college M in the year 2022 as compared to the previous year?

(a) 10%

(b) 25%

(c) 15%

(d) 20%

Answer: (c)

18. A, B and C invested money in a business such that 2 times A's share, 4 times B's share and 6 times C's share are all equal. If they earned ₹44,000, find the share of A.

(a) ₹22,000

(b) ₹12,000

(c) ₹24,000

(d) ₹20,000

Answer: (c)

20. Samreen sells a keyboard for ₹1,260 at a profit of 25%, and another keyboard for ₹1,440 at a loss of 10%. What is her total gain or loss percentage?

(a) $3\frac{11}{27}\%$ Loss

(b) $3\frac{86}{163}\%$ Loss

(c) $3\frac{86}{163}\%$ Gain

(d) $3\frac{11}{27}\%$ Gain

Answer: (c)

21. The marked price of a revolving chair is ₹15,000. It is available on two successive discounts of 20% and 12%. What is its selling price (in ₹)?

(a) 9,560

(b) 10,560

(c) 9,230

(d) 10,230

Answer: (b)

22. The radius of a circle is 12.5 cm and th[illegible]ngth [illegible] one its chords is 11 cm. What is the distance of the chord from the centre? (correct to one de[illegible]lace)

(a) 11.2 cm

(b) 13.2 cm

(c) 10 cm

(d) 12 cm

Answer: (a)

23. The volume of a right circular cylindrical box of radius 30cm is $600cm^3$. Find the height of the box.

(a) 0.61cm

(b) 0.31cm

(c) 0.51cm

(d) 0.21cm

Answer: (d)

24.

$\triangle ABC$ and $\triangle PQR$ are respectively congruent.
If $AB = 8 = PQ$, $BC = 10 = QR$ and $\angle B = 35^\circ$,
then what is the value of $\angle P + \angle C$?

(a) 160°
(b) 120°
(c) 130°
(d) 145°

Answer: (d)

25. PQ is the diameter of a circle with centre A. M is a point on the circumference of the circle. If m ∠ MAP = 110°, then find the value of m ∠ MQA.

(a) 55°
(b) 35°
(c) 65°
(d) 70°

Answer: (a)

English Comprehension

1. Select the most appropriate ANTONYM of the underlined word in the following sentence. It was difficult to accommodate the avariciousness of the people.

(a) Generosity
(b) Criticism
(c) Hatred
(d) Envy

Answer: (a)

2. Select the option that expresses the given sentence in passive voice. He has written a best-selling novel.

(a) A best-selling novel was being written by him
(b) A best-selling novel has been written by him.
(c) A best-selling novel was written by him.
(d) A best-selling novel would have been written by him.

Answer: (b)

3. Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.
P) her face
Q) I have
R) for a year
S) not seen

(a) PQRS
(b) PSQR
(c) SPQR
(d) QSPR

Answer: (d)

4. Select the most appropriate ANTONYM of the given word from the following sentence. Barren
"Can you believe how much traffic there is today?", grumbled Tom, glancing at the congested road ahead.

(a) Believe
(b) Grumbled
(c) Glancing
(d) Congested

Answer: (d)

5. Select the most appropriate option to substitute the underlined word segment in the given sentence. A herd of cattle consists of related females, cubs, and a small number of adult males.

(a) pride of lions
(b) pack of wolves
(c) school of fish
(d) flock of birds

Answer: (a)

6. Select the most appropriate idiom for the given group of words. A time when money might unexpectedly be needed

(a) A rainy day
(b) A raw deal
(c) A rash of something
(d) A rap over the knuckles

Answer: (a)

7. Select the option that can be used as a one-word substitute for the given group of words. A person who does not believe in God

(a) Amateur
(b) Anarchy
(c) Autocrat
(d) Atheist

Answer: (d)

8. Select the INCORRECTLY spelt word..

(a) Measerement

(b) Region

(c) Confidential

(d) Strengths

Answer: (a)

9. Select the most appropriate option that can substitute the underlined word in the given sentence. I saw a shabby looking man living in the cavity of a mountain.

(a) elevation

(b) height

(c) mound

(d) hole

Answer: (d)

10. Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph. A.The door of the flat was ajar. B.The taxi stopped. C.Mr. Satterthwaite flung himself out and raced up the stone stairs to the second floor like a young athlete. D.He pushed it open, and the great voice welcomed him.

(a) BACD

(b) ABCD

(c) BCAD

(d) DCBA

Answer: (c)

11. Select the option that expresses the given sentence in passive voice. He wrote an inspiring speech for the event.

(a) An inspiring speech was being written by him for the event.

(b) An inspiring speech was written by him for the event.

(c) An inspiring speech is written by him for the event.

(d) An inspiring speech has been written by him for the event.

Answer: (b)

12. Select the most appropriate option that can substitute the underlined segment in the given sentence. It is nothing else your pride which makes you say such a thing.

(a) else your pride that makes

(b) else your pride which make

(c) else but your pride which make

(d) else but your pride which makes

Answer: (d)

13. Select the most appropriate synonym of the underlined word in the given sentence. This is a clear example of conflict of egos.

(a) clash
(b) mingling
(c) infliction
(d) crash

Answer: (a)

14. Select the most appropriate option that can substitute the underlined segment in the given sentence. Mr. Adhil called back but he wasn't able to find the scooter part he needed.

(a) called down but he wasn't able to
(b) called off but he wasn't able to
(c) called around but he wasn't able to
(d) called up to but he wasn't able to

Answer: (c)

15. Select the most appropriate meaning of the underlined idiom in the following sentence. Instead of confusing others, let us call a spade a spade in front of the audience.

(a) Pretend superiority
(b) Remain silent
(c) Speak truthfully
(d) Be at strife

Answer: (c)

16. Select the INCORRECTLY spelt word.

(a) Connoisseur
(b) Neccessary
(c) Privilege
(d) Dilemma

Answer: (b)

17. Select the most appropriate phrasal verb to fill in the blank. We need to _____ a solution to this problem before it gets worse.

(a) cut down on
(b) break down
(c) break up
(d) come up with

Answer: (d)

18. Select the most appropriate meaning of the underlined word in the given sentence. This building is colossal and it can hold a village's population in it.

(a) very huge
(b) temporary
(c) very beautiful
(d) puny

Answer: (a)

19. Select the most appropriate synonym of the given word. Maverick

(a) Conformist
(b) Orthodox
(c) Bohemian
(d) Follower

Answer: (c)

20. Identify the error in the given sentence. Camels tend to move slowly than other domestic animals in the plains.

(a) domestic animals in the plains.
(b) than other
(c) move slowly
(d) Camels tend to

Answer: (c)

Passage — for questions 21–25

> In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
>
> The mathematician Federico Ardila-Mantilla grew up in Colombia, an (1) _____ student but gifted in math. He was failing most of his classes at his high school in Bogotá when someone (2) _____ him to apply to MIT. He had not heard of the school. To his surprise, he got in, and he went on scholarship. Mathematically, he did well. One of his professors, an acid-tongued theoretician known to (3) _____ his audience to a herd of cows, routinely tucked 'open' math problems into homework assignments, without telling the students. These had never been solved by anyone. Ardila solved one. He went on to receive his bachelor's and Ph.D. in math from MIT. But his academic experience was also one of isolation. Part of it had to do with his own (4) _____. Part of it was cultural. As a Latino, he was very much in the minority in the department, and he did not feel comfortable in American mathematical spaces. No one had tried to explicitly (5) _____ him, yet he felt alone. In math, collaborating with others opens up new kinds of learning and thinking. But in his nine years at MIT, Ardila worked with others only twice.

21. Select the most appropriate option to fill in blank no. 1

(a) apprehensive
(b) apologetic
(c) indifferent
(d) excellent

Answer: (c)

22. Select the most appropriate option to fill in blank no. 2
    (a) dissuaded
    (b) suggested
    (c) removed
    (d) dispirited

    Answer: (b)

23. Select the most appropriate option to fill in blank no. 3
    (a) compare
    (b) malign
    (c) strangulate
    (d) differentiate

    Answer: (a)

24. Select the most appropriate option to fill in blank no. 4.
    (a) introversion
    (b) molestation
    (c) quantification
    (d) interrogation

    Answer: (a)

25. Select the most appropriate option to fill in blank no. 5.
    (a) exclude
    (b) fabricate
    (c) incorporate
    (d) stratify

    Answer: (a)

Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

General Intelligence and Reasoning

1	**(b)**	2	**(a)**	3	**(a)**	4	**(b)**	5	**(a)**	6	**(a)**	7	**(d)**	8	**(b)**
9	**(c)**	10	**(d)**	11	**(b)**	12	**(d)**	13	**(d)**	15	**(b)**	16	**(a)**	17	**(b)**
18	**(a)**	19	**(c)**	20	**(c)**	21	**(d)**	22	**(d)**	23	**(a)**	24	**(a)**	25	**(c)**

General Awareness

1	**(b)**	2	**(b)**	3	**(d)**	4	**(b)**	5	**(a)**	6	**(a)**	7	**(d)**	8	**(a)**
9	**(d)**	10	**(c)**	11	**(b)**	12	**(c)**	13	**(b)**	14	**(c)**	15	**(b)**	16	**(d)**
17	**(c)**	18	**(d)**	19	**(b)**	20	**(a)**	21	**(d)**	22	**(a)**	23	**(a)**	24	**(d)**
25	**(b)**														

Quantitative Aptitude

1	**(a)**	2	**(d)**	3	**(d)**	4	**(b)**	5	**(c)**	6	**(c)**	7	**(d)**	8	**(c)**
9	**(c)**	10	**(b)**	11	**(d)**	12	**(b)**	13	**(d)**	14	**(b)**	15	**(a)**	17	**(c)**
18	**(c)**	20	**(c)**	21	**(b)**	22	**(a)**	23	**(d)**	24	**(d)**	25	**(a)**		

English Comprehension

1	**(a)**	2	**(b)**	3	**(d)**	4	**(d)**	5	**(a)**	6	**(a)**	7	**(d)**	8	**(a)**
9	**(d)**	10	**(c)**	11	**(b)**	12	**(d)**	[illegible]	**(a)**	14	**(c)**	15	**(c)**	16	**(b)**
17	**(d)**	18	**(a)**	19	**(c)**	20	[illegible]	[illegible]	**(c)**	22	**(b)**	23	**(a)**	24	**(a)**
25	**(a)**														