

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

SSC CGL

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 04

QUESTION- 100

MARKS- 200

NEGATIVE MARK- 0.50

DURATION- 60 MIN.

1. Use only ball pens with black or blue ink
2. As soon as the examination starts, you must check this question booklet and if there is any unprinted, mutilated or partially printed page or question in it, then replace it with the correct question booklet through the examiner.
3. There are a total of 100 questions in this question booklet.
4. This is an objective test, in which four options are given for the answer to each question, you have to choose only one option with the correct answer out of these four options.
5. Answers to all questions are to be written on separate answer sheets.

6. Instructions for filling the answer sheet are written on the back side of the answer sheet, read them carefully before filling the answer sheet.
7. Blank pages are available in this question booklet for rough work.
8. Candidates cannot leave the room before the end of the examination.
9. After the examination is over, you can go out only with his permission after submitting the ORIGINAL COPY of the answer sheet to the invigilator.
10. After the completion of the examination, the candidate is allowed to take the question booklet and answer sheet with him/her.
11. 2 marks will be given for each correct answer and 0.50 marks will be deducted for each wrong answer.



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Total: 100 Que.

SSC CGL | Tier I | Mock Test 04

Time: 60 Min.

General Intelligence & Reasoning

- 1). Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

(a) 11:121 (b) 13:169 (c) 17:289 (d) 15:250

- 2). Study the given pattern carefully and select the number that can replace the question mark (?) in it.

15	3	24
21	6	30
49	5	?

(a) 92 (b) 98 (c) 82 (d) 88

- 3). 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:

- 1) Some machines are kites.
2) No machine is a pigeon.

Conclusions:

- I. Some machines are pigeons.
II. All kites are pigeons.
III. Some kites are not pigeons.

- (a) Only conclusion II follows.
(b) Only conclusion I and III follow.
(c) Only conclusion I and II follow.
(d) Only conclusion III follows.

- 4). Select the number that can replace the question mark (?) in the following series.
5, 10, 26, ?, 122, 170

(a) 82 (b) 50 (c) 65 (d) 77

- 5). Select the letter that can replace the question mark (?) in the following series.
A, E, I, ?, Q, U

(a) M (b) N (c) K (d) O

- 6). Select the letter-cluster that can replace the question mark (?) in the following series.
ADG, CGK, EJO, ?, IPW

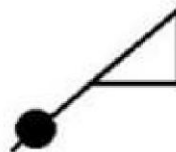
(a) GMZ (b) GNS (c) GNZ (d) GMS

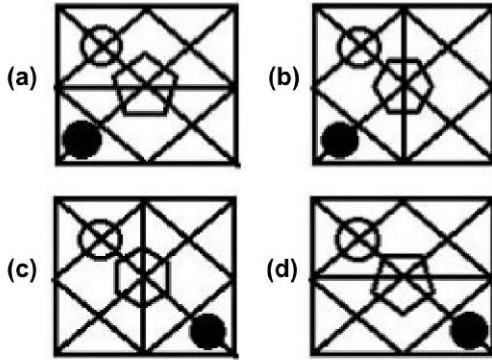
- 7). Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.



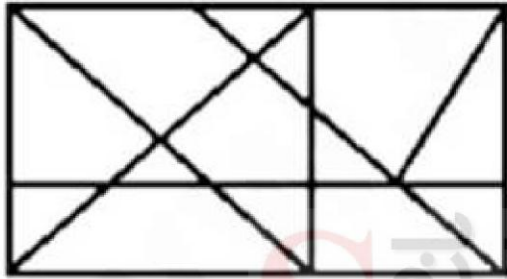
- (a) (b)
(c) (d)

- 8). Select the option in which the given figure is embedded (rotation is not allowed).





9). How many triangles are there in the given figure?



(a) 25 (b) 22 (c) 16 (d) 28

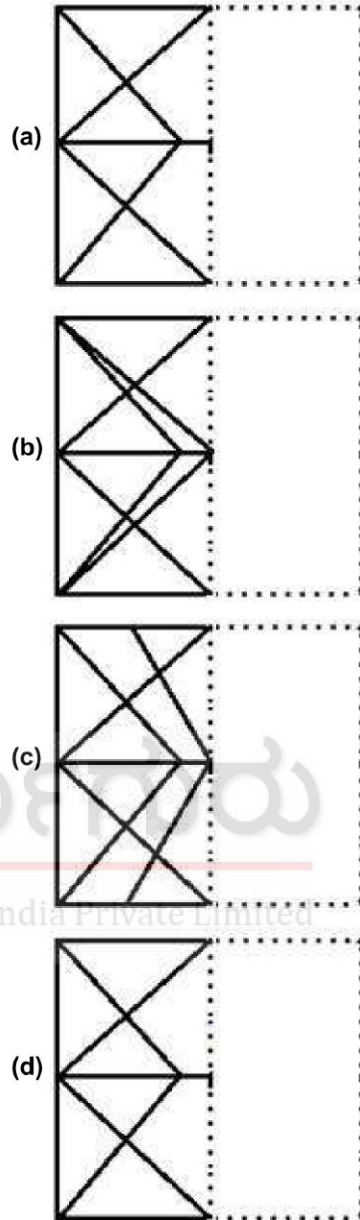
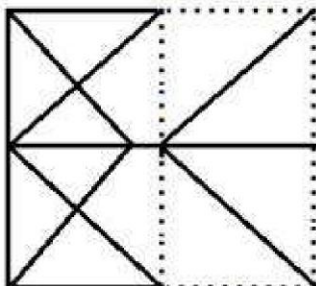
10). Select the option in which the words share the same relationship as that shared by the given pair of words.
North : South

(a) Frown : Smile (b) Whole : Total
(c) Ductile : Bendable (d) Integrity : Honesty

11). In a certain group of men and horses, the total number of legs is 14 more than twice the number of heads. How many horses are there in the group?

(a) 11 (b) 7 (c) 9 (d) 5

12). Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.



13). Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '+'.

(a) # (b) * (c) @ (d) \$

14). In a certain code language, 'PAGE' is coded as '161495'. How will 'PART' be coded as in that language?

(a) 16125020 (b) 16132420 (c) 16128620
(d) 16136220

15). 'Astronomy' is related to 'Stars' in the same way as 'Agronomy' is related to '_____'.
(a) Mines (b) Crops (c) Planets (d) Emotions

16). Four letter-cluster have been given, out of which, three are alike in some manner and one is different. Select the odd letter cluster.
(a) BJT (b) GCV (c) DDP (d) FBL

17). Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.
(a) Clarinet (b) Trumpet (c) Xylophone (d) Saxophone

18). A + B means 'A is the husband of B';

A – B means 'B is the sister of A';

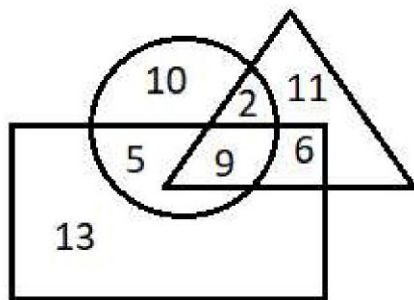
A × B means 'A is the mother of B';

A ÷ B means 'B is the son of A'

If, P + R × T – Q ÷ S + U, then how is P related to S?

- (a) Maternal grandfather (b) Father-in-law
(c) Paternal grandfather (d) Uncle

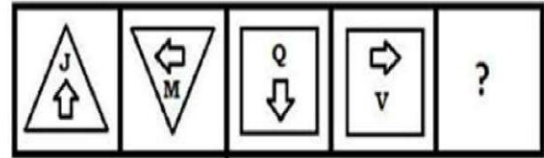
19). In the given Venn diagram, the 'rectangle' represents 'travelers who like to travel by plane', the 'circle' represents 'travelers who like to travel by bus', and the 'triangle' represents travelers who like to travel by train'. The numbers given in the diagram represents the number of travelers in that particular category.



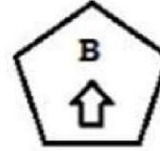
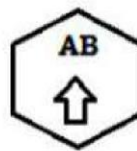
How many travelers like to travel either by train or plane but NOT by bus?

- (a) 36 (b) 27 (c) 30 (d) 29

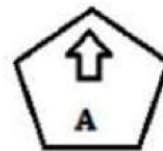
20). Select the figure that can replace the question mark (?) in the following series.



- (a) (b) (c)



- (d)



21). Which two signs should be interchanged to make the given equation correct?
 $12 + 81 - 27 \times 9 \div 3 = 36$

$12 + 81 - 27 \times 9 \div 3 = 36$

- (a) – and ÷ (b) ÷ and × (c) × and – (d) + and ×

22). In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

- (a) ZTOK (b) ZUQJ (c) ZUPK (d) ZVQL

23). Study the given pattern carefully and select the number that can replace the question mark (?) in it.

23	5	110
56	9	121
49	3	?

- (a) 111 (b) 113 (c) 95 (d) 77

24). Select the number that can replace the question mark (?) in the following series.

62, 66, 74, 90, ?

- (a) 106 (b) 120 (c) 116 (d) 122

25). Arrange the following words in a logical and meaningful order.

- 1) Quadrillion
2) Quintillion
3) Million

- 4) Octillion
5) Trillion

- (a) 3-5-1-4-2 (b) 4-3-5-1-3 (c) 3-5-1-2-4
(d) 2-3-5-1-4

- (c) The rate charged to a merchant for payment processing services on debit and credit card transactions

- (d) Only taxes that a digital payment entails

General Awareness

- 1). Who has become India's top chess player in the recently released FIDE rankings?

- (a) Nash M (b) D. Gukesh (c) Kostav Chatterjee
(d) Sumit Singh

- 2). Which state government will set up a 'National Center of Excellence' for badminton recently?

- (a) Kerala (b) Assam (c) Andhra Pradesh
(d) Odisha

- 3). The Supreme Court has declared access to the Internet a fundamental right under Article _____ of the Indian Constitution.

- (a) 21 (b) 14 (c) 17 (d) 19

- 4). Mehrunnisa who was known as Nur Jahan was the wife of _____.

- (a) Aurangzeb (b) Shah Jahan (c) Jahangir
(d) Akbar

- 5). Alyssa Healy who created a world record by becoming the highest scorer in women's T20I, belongs to _____.

- (a) India (b) Canada (c) Japan (d) Australia

- 6). If the inflation in an economy is rising steadily, the Central Bank might _____.

- (a) Decrease the repo rate
(b) Decrease the reverse repo rate
(c) Increase the repo rate
(d) Keep the repo rate unchanged

- 7). Merchant discount rate refers to _____.

- (a) The total discount a bank offers to the merchant for promoting online transactions
(b) The total discount a merchant offers on online transactions

- 8). Recently NABARD has approved Rs 1974 crore for rural development to which state?

- (a) Maharashtra (b) Haryana (c) Rajasthan
(d) Uttar Pradesh

- 9). In which year did DC Sircar publish Indian Epigraphy and Indian Epigraphical Glossary?

- (a) 1965 -66 (b) 1967 -68 (c) 1966 -67
(d) 1964 -65

- 10). To which of the following Indian states does Mardani Khel, one of the famous martial art forms in India belong?

- (a) Uttar Pradesh (b) Madhya Pradesh
(c) Maharashtra (d) Rajasthan

- 11). Which of the following diseases is NOT transmitted from one person to another?

- (a) Syphilis (b) Hepatitis B (c) AIDS
(d) Cirrhosis

- 12). When did the Vikrama Era begin?

- (a) 47 BC (b) 55 BC (c) 57 BC (d) 50 BC

- 13). Who is the first General of the Indian Army, whose retirement day is celebrated as the 'Armed Forces Veterans Day' every year?

- (a) General KS Thimaya (b) General SM Sriagesh
(c) General KM Cariappa
(d) General Maharaj Rajendra Sinhi

- 14). The SDG India Index is developed by _____.

- (a) Ministry of Environmental, Forest and Climate Change
(b) Ministry of Home Affairs (c) NITI Aayog
(d) World Bank

- 15). Which of the following is the first South Asian country to call match-fixing a crime?

- (a) India (b) Sri Lanka (c) Nepal (d) Pakistan

16). Who performs the task of capturing oxygen in the blood?

- (a) White blood cells (b) Red blood cells
(c) Chlorophyll (d) Hemoglobin

17). On which river and in which state is the Jayakwadi dam situated?

- (a) Godavari river – Maharashtra
(b) Banas river – Rajasthan
(c) Periyar river – Kerala (d) Ravi river – Punjab

18). Which leader gave us the C R Formula?

- (a) CR Das (b) C Rajagopalachari (c) Tilak
(d) Mahatma Gandhi

19). Name the only metal that is antibacterial.

- (a) Iron (b) Sodium (c) Aluminum (d) Copper

20). Madhavpur Mela takes place in ____.

- (a) Maharashtra (b) Madhya Pradesh
(c) Uttar Pradesh (d) Gujarat

21). Which of the following is a natural flame retardant?

- (a) Flowers (b) Skin (c) DNA (d) RNA

22). In the sequence of planets in the solar system, which planet comes in between Mercury and Earth?

- (a) Mars (b) Venus (c) Jupiter (d) Uranus

23). Which of the following gases is consistently seen to be most abundant in a volcanic eruption?

- (a) Sulphur Dioxide (b) Carbon Dioxide
(c) Water vapour (d) Hydrogen Sulphide

24). Which of the following is the primary sex organ in females?

- (a) Uterus (b) Fallopian tube (c) Ovary
(d) Vagina

25). Who unveiled the new people of NMDC recently?

- (a) Piyush Goyal (b) Jyotiraditya Scindia
(c) S Jaishankar (d) Rajnath Singh

English Comprehension

1). Select the word that is opposite in meaning (ANTONYM) to the word given below.

PERSIST

- (a) Remain (b) Continue (c) Insist (d) Cease

2). Choose the most appropriate option to change the narration (direct/indirect) of the given sentence.

"What a rare flower!" she said.

- (a) She asked if it was a rare flower.
(b) She exclaimed that it was a very rare flower.
(c) She exclaimed what a rare flower it is.
(d) She told that what a rare flower it was.

3). Select the word which means the same as the group words given.

Having two opposing feelings at the same time

- (a) Contemporary (b) Coinciding (c) Ambivalent
(d) Equivalent

4). Choose the most appropriate option to change the voice (active/passive) form of the given sentence.

The farmer is ploughing the fields.

- (a) The fields are being ploughed by the farmer.
(b) The fields are ploughed by the farmer.
(c) The fields were ploughed by the farmer.
(d) The fields have been ploughed by the farmer.

5). Identify the segment in the sentence which contains the grammatical error. If there is no error, select No error'

Those who are late they will not be allowed inside the classroom.

- (a) they will not be allowed (b) Those who are late
(c) inside the classroom (d) No error

- (a) take back (b) take away (c) take in
(d) take out

- 6). Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

We came back because we had ran out of money.

- (a) we had run (b) we have ran (c) we run
(d) No improvement

- 12). Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A) The mountain range was covered with snow.

B) Napoleon had to cross the Alps in winter.

C) Napoleon replied that the word 'impossible' did not exist for him.

D) So, someone told Napoleon that the task was impossible.

- (a) ADBC (b) BADC (c) BDCA (d) DBCA

In the following passage, some words have been deleted. Fill in the blank with the help of the alternatives given.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1) _____ to hold it for Atlas while the latter went looking (2) _____ golden apples. When Atlas returned, he saw Hercules (3) _____ hard to hold the sky. The weight of the sky (4) _____ Hercules sweat and groan. Now Atlas did not want to (5) _____ a job as arduous as that!

- 13). Select the word which means the same as the group words given.

A group of ships

- (a) fleet (b) colony (c) swarm (d) squad

- 7). Select the most appropriate option to fill in blank 1.

- (a) Afforded (b) Ordered (c) Offered
(d) Extended

- 14). Select the most appropriate option to fill in the blank.

She _____ how the magician had performed the rope trick.

- (a) suspected (b) bewildered (c) wondered
(d) puzzled

- 8). Select the most appropriate option to fill in blank 2.

- (a) On (b) For (c) After (d) At

- 15). Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

When it started raining, I ran to the nearer house for shelter.

- (a) the nearest house (b) a near house
(c) the near house (d) No improvement

- 9). Select the most appropriate option to fill in blank 3.

- (a) Coping (b) Seeking (c) Struggling
(d) Tackling

- 16). Select the most appropriate antonym of the given word.

Glee

- (a) Fun (b) Bliss (c) Joy (d) Woe

- 10). Select the most appropriate option to fill in blank 4.

- (a) Make (b) was making (c) has made
(d) were making

- 17). Select the most appropriate meaning of the given idiom

By and by

- 11). Select the most appropriate option to fill in blank 5.

- (a) On the whole (b) By any means (c) Suddenly
(d) Gradually

18). elect the INCORRECTLY spelt word.

- (a) Acquaitence (b) Abandon (c) Alliance
(d) Acquisition

19). Select the most appropriate option to fill in the blank.

The roof of the old building _____ during the storm.

- (a) collapsed (b) destroyed (c) demolished
(d) scratched

20). Select the most appropriate meaning of the given idiom.

Chicken-hearted

- (a) Generous (b) Selfish (c) Miserly
(d) Cowardly

21). Select the most appropriate synonym of the given word.

PREFERRED

- (a) feared (b) adored (c) compared
(d) favoured

22). In the sentence, identify the segment which contains the grammatical error. If the sentence has no error, then select 'No error'.

Everyone except she have travelled by air.

- (a) Everyone except (b) No error
(c) travelled by air (d) she have

23). Select the incorrectly spelt word.

- (a) grief (b) sieze (c) piece (d) fierce

24). Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A) Much of this war had taken place along the Western Front.

B) Both sides had dug in deep and each lost many men over little ground.

C) This front was a line of trenches across which the two sides faced each other.

D) Andre Maginot had fought a war with the French against the Germans.

- (a) DACB (b) DBCA (c) ACDB (d) BCDA

25). Select the most appropriate synonym of the given word.

Ovation

- (a) Applause (b) Censure (c) Creation
(d) Preparation

Quantitative Aptitude

1). If the number 687X29 is divisible by 9, then the value of 2X is:

- (a) 3 (b) 4 (c) 8 (d) 2

2). If the area of an equilateral triangle is $36\sqrt{3}$ sq. cm, then the perimeter of the triangle is :

- (a) 36 cm (b) $18\sqrt{3}$ cm (c) 12cm (d) $36\sqrt{3}$ cm

3). If the value of $(a + b - 2)^2 + (b + c - 5)^2 + (c + a - 5)^2 = 0$, then the value of

$$\sqrt{\left((b + c)^a + (c + a)^b - 1\right)} \text{ is :}$$

- (a) 2 (b) 0 (c) 4 (d) 3

4). A, B and C can individually complete a task in 24 days, 20 days and 18 days, respectively: B and C start the task, and they work for 6 days and leave . The number of days required by A alone to finish the remaining task, is:

- (a) $8\frac{4}{5}$ days (b) $12\frac{1}{2}$ days (c) 10 days

- (d) $15\frac{2}{3}$ days

5). A metallic sphere of diameter 40 cm is melted into smaller spheres of radius 0.5 cm. How many such small balls can be made?

- (a) 3200 (b) 6400 (c) 64,000 (d) 32,000

6). An article was sold at a gain of 18%. If it had been sold for Rs. 49 more, then the gain would

have been 25%. The cost price of the article is:

- (a) Rs890 (b) Rs 570 (c) Rs 700 (d) Rs650

7). If $a + b + c = 9$ and $ab + bc + ca = -22$, then the value $a^3 + b^3 + c^3 - 3abc$ is:

- (a) 783 (b) 487 (c) 1571 (d) 1323

8). If '+' means '-', '-' means '+', 'x' means '÷' and '÷' means 'x', then the value of $\frac{[(30 \times 5) + (84 \times 6)] \div 5}{\left[\frac{2}{3} \div 18\right] - [4 \div 2]}$ is:

- (a) -1 (b) -2 (c) 1 (d) 2

9). If a sum of 1180 is to be divided among A, B and C, such that 2 times A's share, 5 times B's share and 7 times C's share, are equal, then A's share is:

- (a) Rs. 700 (b) Rs. 650 (c) Rs. 750 (d) Rs. 500

10). A shopkeeper marks the price of an article in such a way that after allowing a discount of 22% he gets a gain of 11%. If the marked price is Rs 888, then the cost price of the article is:

- (a) Rs 895 (b) Rs 550 (c) Rs 624 (d) Rs 782

11). If $x \cos A - y \sin A = 1$ and $x \sin A + y \cos A = 4$, then the value of $17x^2 + 17y^2$ is:

- (a) 49 (b) 289 (c) 7 (d) 0

12). The average of the marks of 30 boys is 88, and when the top two scores were excluded, the average marks reduced to 87.5. If the top two scores differ by 2, then the highest mark is:

- (a) 94 (b) 96 (c) 92 (d) 90

13). Two tangents PA and PB are drawn to a circle with centre O from an external point P. If angle $\angle OAB = 30^\circ$, then angle $\angle APB$ is:

- (a) 15° (b) 120° (c) 60° (d) 30°

14). The population of a city increased by 30% in the first year and decreased by 15% in the next year. If the present population is 11,050 then the population 2 years ago was:

- (a) 10,000 (b) 99,500 (c) 99,000 (d) 10,050

15). If $3^a = 27^b = 81^c$ and $abc = 144$, then the value of $12 \left(\frac{1}{a} + \frac{1}{2b} + \frac{1}{5c} \right)$ is:

- (a) $\frac{18}{120}$ (b) $\frac{33}{10}$ (c) $\frac{17}{120}$ (d) $\frac{18}{10}$

16). What will be the difference in compound interest on a sum of Rs. 7800 at 8% p.a for 1 year, when the interest is paid yearly and half yearly?

- (a) Rs 24.72 (b) Rs 12.48 (c) Rs 19.46 (d) Rs 29.18

17). A circular disc of area 0.64π sq.m. rolls down a length of 1.408 km. The number of revolutions it makes is:

(Take $\pi = \frac{22}{7}$)

- (a) 140 (b) 280 (c) 180 (d) 360

18). Solve the following:

$$\frac{\sin 40^\circ}{\cos 50^\circ} + \frac{\cos \sec 50^\circ}{\sec 40^\circ} - 4 \cos 50^\circ \cos \sec 40^\circ$$

- (a) 2 (b) -1 (c) 1 (d) -2

19). ABC is an equilateral triangle P, Q and R are the midpoints of sides AB, BC and CA, respectively. If the length of the side of the triangle ABC is 8 cm, then area of ΔPQR is:

- (a) $\frac{\sqrt{3}}{4} \text{ cm}^2$ (b) $8\sqrt{3} \text{ cm}^2$ (c) $4\sqrt{3} \text{ cm}^2$ (d) $\frac{\sqrt{3}}{3} \text{ cm}^2$

20). A student takes 1.25 hours to travel from home to school of 4 km/h. By what percentage should he increase his speed to reduce the time by 25% to cover the same distance from school to home?

- (a) $33\frac{1}{3}\%$ (b) 25% (c) 50% (d) 45%

21). If $(2 \sin A + \csc A) = 2\sqrt{2}$, $0^\circ < A < 90^\circ$, then the value of $2(\sin^4 A + \cos^4 A)$ is:

- (a) 0 (b) 2 (c) 1 (d) 4

Direction:(22 – 25): In the following table, the production of various crops (in tons) is given from 2015 to 2019, study the table and answer the questions that follow.

year	Rice	Wheat	Sugarcane	Barley	Maize
2015	415	2500	1000	975	490
2016	520	4218	1120	825	520
2017	585	3482	1250	700	610
2018	625	4500	1325	625	725
2019	600	3300	1450	775	840

22). The difference (in tonnes) between the average production of barley and average production of rice is :

(a) 780 (b) 471 (c) 549 (d) 231

23). The highest percentage growth of sugarcane production over its previous year recorded in the year:

(a) 2016 (b) 2018 (c) 2017 (d) 2019

24). The percentage growth of maize in the year 2019 over the year 2015 is:

(a) 77.77% (b) 71.43% (c) 60.28% (d) 65.12%

25). The average production of wheat (in tonnes) in the period given in the table is:

(a) 3600 (b) 3482 (c) 3300 (d) 4218