PREVIOUS YEAR PAPER

SSC GD Constable — 16 January 2023, Shift 1

SSC GD Constable · 16 January 2023 · 9:00 AM - 10:00 AM

78 of the paper's 80 questions · marks per question not printed on the response sheet · 60 minutes

Left out of the original paper: 2 (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 16 January 2023, 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-gd/previous-year-papers/ssc-gd-2023-16-jan-shift-1/

General Intelligence and Reasoning

1. 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 stems are leaves. All fruits are leaves. All leaves are trunks. Conclusions:
I. All fruits are trunks.
II. All trunks are stems.
III. Some trunks are fruits.

(a) Only conclusions II and III follow

(b) Only conclusions I and II follow

(c) Only conclusions I and III follow

(d) All conclusions follow

Answer: (c)

2. Which of the following terms will replace the question mark (?) in the given series? BGR, CIV, ELZ, HPD, LUH, ?

(a) QBL

(b) QAK

(c) QBK

(d) QAL

Answer: (d)

3. 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. QPON : RRRR :: IJGK : JLJO :: PKON : ?

(a) QMRR

(b) RQRM

(c) MQRR

(d) RRMQ

Answer: (a)

4.

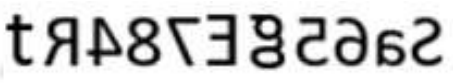
Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



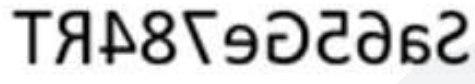
(b)



(c)



(d)



Answer: (d)

5. Select the number from among the given options that can replace the question mark (?) in the following series. 83, 299, 424, 488, ?

(a) 415

(b) 515

(c) 625

(d) 589

Answer: (b)

6. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term. BIND : FFKH :: ROMP : VLJT :: SPUN : ?

(a) WMRR

(b) VLRS

(c) VLQR

(d) WMQS

Answer: (a)

7. Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation. 11 * 10 * 10 * 240 * 2

(a) ×, ÷, =, +

(b) ×, +, =, ÷

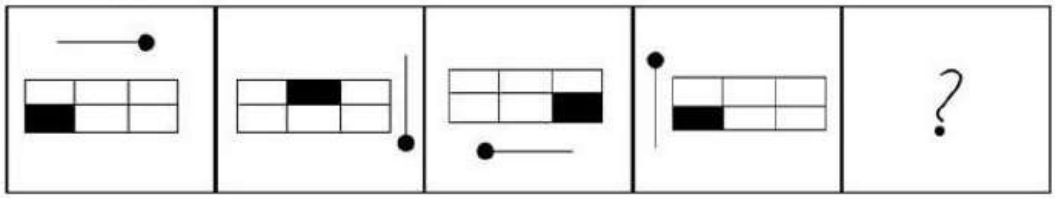
(c) =, +, ÷, ×

(d) ÷, ×, =, +

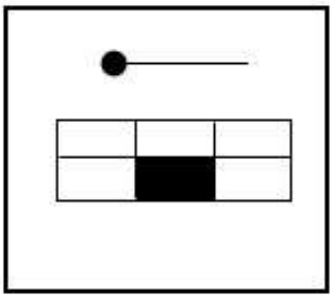
Answer: (b)

8.

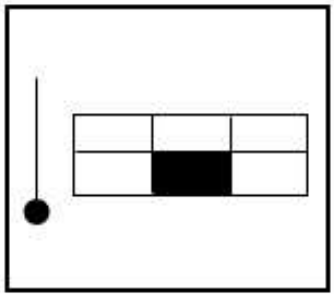
Select the figure that will come in place of the question mark (?) in the following figure series.



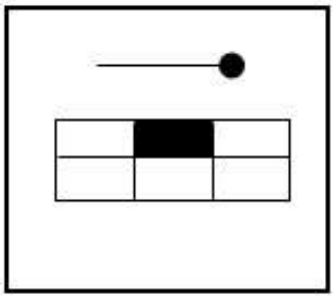
(a)



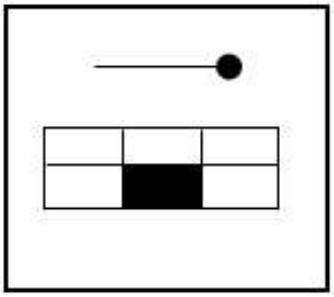
(b)



(c)



(d)



Answer: (c)

9. Seven people, A, B, C, D, E, F and G are sitting in a straight row, facing north. A sits second from the left. Only two people sit between A and C. Only three people sit between D and F and D is an immediate neighbour of A. B is an immediate neighbour of D and E is not an immediate neighbour of C. Who sits to the extreme left?

(a) D
(b) G
(c) F
(d) E

Answer: (d)

10. In a certain code language, 'grasshopper ant' is coded as 'ja do', 'seed blade' is coded as 'ju fo', 'blade ant' is coded as 'fo do', and 'grasshopper seed' is coded as 'ja ju'. What is the code for 'blade'?

(a) fo
(b) zu
(c) ja
(d) do

Answer: (a)

11. Which two signs should be interchanged to make the below equation mathematically correct? 48 + 36 - 81 × 9 ÷ 2 = 66

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

Answer: (c)

12. Which of the following letter-clusters will replace the question mark (?) in the given series? DHVY, GKSV, ?, MQMP, PTJM

(a) JNPS
(b) JPMR
(c) KNPR
(d) JNQS

Answer: (a)

13. Six students are sitting around a circular table facing the centre. F is an immediate neighbour of A. D sits second to the right of E. B is an immediate neighbour of E and sits second to the right of C. F sits second to the right of D. A is not an immediate neighbour of E. Who sits to the immediate left of E?

(a) C
(b) F
(c) A
(d) B

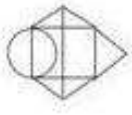
Answer: (a)

14.

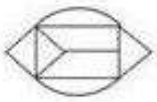
Select the option figure in which the given figure is embedded. (Rotation is NOT allowed).



(a)



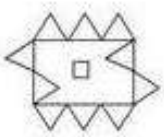
(b)



(c)



(d)



Answer: (b)

15. Looking at a photograph, Anjali said, "He is the only son of my father." How is the man in the photograph related to Anjali?

(a) Brother

(b) Father's father

(c) Son

(d) Mother's father

Answer: (a)

16. Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term. 13 : 225 :: 16 : ? :: 17 : 361

(a) 376

(b) 324

(c) 345

(d) 328

Answer: (b)

17. Which of the following numbers will replace the question mark (?) in the given series? 10, 11, 15, 42, 58, 183,?

(a) 218

(b) 217

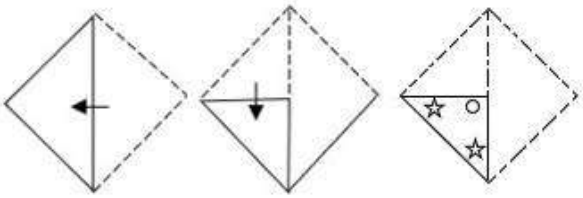
(c) 220

(d) 219

Answer: (d)

18.

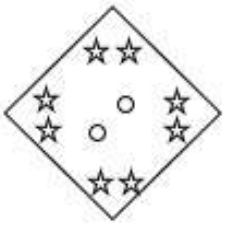
A paper is folded and cut as shown below. How will it appear when unfolded?



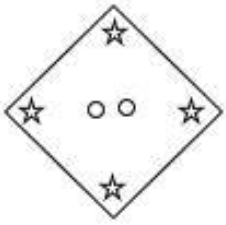
(a)



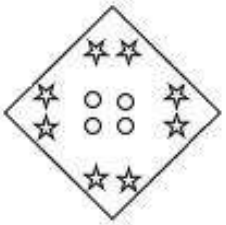
(b)



(c)



(d)



Answer: (d)

19. In a certain code the word 'BARK' is numerically coded as 5132. The word 'BEND' is numerically coded as 5749. How is the word 'BEARD' numerically coded in the same code?

(a) 57123
(b) 51739
(c) 57132
(d) 57139

Answer: (d)

20. Which of the following options represents the correct order of the given words as they would appear in the English dictionary?
1. Glob
2. Globule
3. Global
4. Globe
5. Gloom

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

Answer: (b)

General Knowledge and General Awarenes

1. The World Chess Champion Vishwanathan Anand belongs to which Country?

(a) India
(b) Sri Lanka
(c) Nepal
(d) Bangladesh

Answer: (a)

2. As of 10 April 2022, how many general elections have been held to the Lok Sabha?

(a) 19
(b) 15
(c) 21
(d) 17

Answer: (d)

3. Plastids containing _____ pigment chlorophyll are called chloroplasts.

(a) brown
(b) yellow
(c) green
(d) colourless

Answer: (c)

4. Who among the following was awarded the Sangeet Natak Akademi Award in 2001?

(a) Sonal Mansingh
(b) Anuradha Pandey
(c) M.R Krishnamurthy
(d) Alarmel Valli

Answer: (d)

5. _____, who lived in the court of Kanishka, composed a biography of the Buddha, the Buddhacharita.

(a) Mathara
(b) Nagarjuna
(c) Ashvaghosha
(d) Samgharaksha

Answer: (c)

6. _____ restrict/s imports and help/s domestic producers from foreign competition.
(A) Tariffs
(B) Quotas

(a) Neither A nor B
(b) Both A and B
(c) Only A
(d) Only B

Answer: (b)

7. Which industry does aluminium smelting belong

(a) textile Industry
(b) chemical industry
(c) sugar Industry
(d) metallurgical industry

Answer: (d)

8. Which of the following is an outer planet of the solar system?

(a) Venus
(b) Earth
(c) Mercury
(d) Saturn

Answer: (d)

9. Which of the following dance forms is associated with Sikkim?

(a) Tashi Sabdo
(b) Munari
(c) Bhangra
(d) Kolattam

Answer: (a)

10. The Goods and Services Tax, Act commenced from_____.
    (a) 1 July 2017
    (b) 1 April 2018
    (c) 1 July 2016
    (d) 1 April 2016
    Answer: (a)

11. How many elements were known when Mendeleev started his work?
    (a) 73
    (b) 53
    (c) 63
    (d) 93
    Answer: (c)

12. Which neighbouring country of India is NOT a part of Commonwealth Games?
    (a) China
    (b) Bangladesh
    (c) Pakistan
    (d) Sri Lanka
    Answer: (a)

13. Which of the following harvest festivals is primaril elebrated by the people of western Odisha?
    (a) Onam
    (b) Gudi Padwa
    (c) Wangala
    (d) Nuakhai
    Answer: (d)

14. Which of the following is a stroke use in swimming?
    (a) Shark
    (b) Butterfly
    (c) Lion
    (d) Dog
    Answer: (b)

15. The 42nd Amendment Act in 1976 inserted which new Part in the Indian Constitution?
    (a) Part II A
    (b) Part I A
    (c) Part IV A
    (d) Part III A
    Answer: (c)

16. Which political leader won the bypoll election from Gola Gokarannath constituency in Uttar Pradesh, in November 2022?

(a) Piyush Goyal
(b) Vikram Singh Saini
(c) Azam Khan
(d) Aman Giri

Answer: (d)

17. Who has been appointed as the Governor of West Bengal in November 2022?

(a) Jagdeep Dhankhar
(b) C. V. Ananda Bose
(c) La. Ganesan
(d) D.Y. Patil

Answer: (b)

18. Jallianwala Bagh massacre happened in 1919. Where is Jallianwala Bagh located?

(a) Haryana
(b) Uttar Pradesh
(c) Madhya Pradesh
(d) Punjab

Answer: (d)

19. The interest rate at which the Reserve Bank abso liquidity from banks against the collateral of eligible government securities under the LAF is call he _____.

(a) Rent rate
(b) Statutory rate
(c) Repo rate
(d) Reverse repo rate

Answer: (d)

Elementary Mathematics

1. S buys sugar for Rs.40 per kg and sells at Rs. x per kg. Due to a fault in the weighing machine, it shows 1 kg when the actual weight is 800 gm. What is the value of x per kg if his profit percentage is 30%?

(a) 48.6
(b) 46.1
(c) 41.6
(d) 52.1

Answer: (c)

2. The difference in compound interest, under annual compounding, and simple interest on a certain sum at the same rate of interest in 2 years is 144% of the sum. Find the rate of interest per annum.

(a)

15%

(b)

100%

(c)

120%

(d)

20%

Answer: (c)

3.

What is the height of a solid cylinder whose radius is 7 cm and total surface area is $1144\,\text{cm}^2$? $\left(Use\ \pi = \frac{22}{7}\right)$

(a) 19 cm

(b) 22 cm

(c) 12 cm

(d) 18 cm

Answer: (a)

4. A man rows upstream 15 km and downstream 18 , he takes 3 hours each time. The speed of the current is:

(a)

$\frac{1}{2}$ km/h

(b)

$\frac{3}{2}$ km/h

(c)

1 km/h

(d)

2 km/h

Answer: (a)

6. M can do a piece of work in 12 days and N in 24 days. They begin together, but M leaves the work 6 days before the completion of the work. Find the total number of days to complete the entire work.

(a) 10 days

(b) 12 days

(c) 7 days

(d) 6 days

Answer: (b)

7. The population of a village is 24000. If it is expected to decrease by 4 percent the next year, then what will be the population of the village next year?

(a) 23520

(b) 22080

(c) 22560

(d) 23040

Answer: (d)

8.

Find the LCM of $\frac{2}{5}, \frac{4}{15}$ and $\frac{6}{25}$.

(a)

$\frac{12}{7}$

(b)

$\frac{11}{5}$

(c)

$\frac{12}{5}$

(d)

$\frac{5}{12}$

Answer: (c)

9. Ravi can decorate a wall in 6 hours, while Ankita can decorate the same wall in 10 hours. In how many hours will they decorate the wall working simultaneously?

(a) 4.75 hours
(b) 4 hours
(c) 3 hours
(d) 3.75 hours

Answer: (d)

10. A dealer marked the price of an item 45% more than its cost price and sold it by allowing a discount of 20%. Find his profit percentage.

(a) 30%
(b) 25%
(c) 20%
(d) 16%

Answer: (d)

11. In a bag of rice of Rs.70 per kg, two different types are mixed. First type of rice is 8 kg in quantity of Rs.60 per kg, while the second type of rice is 4 kg in quantity. What is the price per kg of the second type of rice?

(a) Rs.75
(b) Rs.65
(c) Rs.80
(d) Rs.90

Answer: (d)

12. If the length of a rectangle is reduced by [illegible] breadth is increased by 10%, what is the percentage change in the area of the rectangle?

(a) 5.6% decrement
(b) 5.6% increment
(c) 6.5% decrement
(d) 6.5% increment

Answer: (c)

13. A store announces the following three schemes to sell its articles. Which of these gives the maximum discount to the buyer?
A. Two successive discounts of 20% and 24%
B. Buy 5 get 3 free
C. Buy 13 get 7 free

(a) All are equal
(b) B
(c) C
(d) A

Answer: (d)

14. Rani goes to school from home at a certain speed and returns to home at the speed of 50 km/h. If the distance between her home and school is 20 km and the average speed of the whole journey is 37.5 km/h, then what is her speed from home to school?

(a) 35 km/h
(b) 40 km/h
(c) 30 km/h
(d) 45 km/h

Answer: (c)

15. What principal will amount to Rs.5,324 in 2 years, when the interest is compounded at 10% per annum, compounding annually?

(a) Rs.4,400
(b) Rs.4,324
(c) Rs.4,420
(d) Rs.4,440

Answer: (a)

16. A bike takes 3 hours to cover a distance of 162 km. What distance will it cover in 5 hours?

(a) 240 km
(b) 292 km
(c) 301 km
(d) 270 km

Answer: (d)

17. A dishonest merchant uses a false weig[illegible]f 20[illegible]m instead of 250 gm. What is his profit percentage?

(a) 15%
(b) 25%
(c) 20%
(d) 10%

Answer: (b)

18. A boat covers a distance of 375 metres in upstream in 30 min, and returns back to the starting point in 18 min. Find the ratio of the speed of the boat in still water and the speed of the stream.

(a) $5 : 6$

(b) $7 : 13$

(c) $13 : 7$

(d) $4 : 1$

Answer: (d)

19. If a : b = 2 : 7 and 343 is the third proportional to a and b, then the value of b – a is:

(a) 98

(b) 70

(c) 49

(d) 126

Answer: (b)

20.

Evaluate $65 \div 13 \times 4 + (35 \div 7 \times 9)^2 \quad 100 \div 5$ of 4×80.

(a) 2045

(b) 2445

(c) 2345

(d) 2545

Answer: (b)

English

1. Select the most appropriate option that can substitute the underlined segment in the given sentence.

<u>If we have to sending a mail today,</u> we shall get a reply in two days.

(a) If we would send a mail today

(b) If we send a mail today

(c) If we will send a mail today

(d) If we have sending a mail today

Answer: (b)

2. Select the option that expresses the given sentence in past tense form.

The home nurse is expecting a salary hike from the relatives of the new family.

(a) The home nurse will be expecting a salary hike from the relatives of the new family.
(b) The home nurse expects a salary hike from the relatives of the new family.
(c) The home nurse was expecting a salary hike from the relatives of the new family.
(d) The home nurse has been expecting a salary hike from the relatives of the new family.

Answer: (c)

3. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully.

The thief who (have taken the pony) was found guilty by the jury.

(a) has took the pony
(b) had taken the pony
(c) have took the pony
(d) has taken the pony

Answer: (b)

4. Select the MISSPELT word.

(a) Extrime
(b) Eccentricity
(c) Electricity
(d) Excite

Answer: (a)

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

To be in the doldrums

(a) To be in high energy and happiness
(b) To be in utter confusion
(c) To be in low and dull spirits
(d) To be in helpless condition

Answer: (c)

6. Select the most appropriate option to fill in the blank.

I am born and _____ in a cultured family.

(a) bare
(b) bread
(c) bred
(d) beard

Answer: (c)

7. Select the most appropriate ANTONYM of the given word.

Cease

(a) Terminate
(b) Stop
(c) Commence
(d) Quit

Answer: (c)

8. Select the most appropriate option that can substitute the underlined segment in the given sentence. There is a few rice left in the cooker.

(a) fewest rice left in
(b) little rice left in
(c) less rice left on
(d) any rice left in

Answer: (b)

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

The best thing since sliced bread

(a) A really good invention
(b) A thoroughly examined food
(c) An openly performed confession
(d) A sincerely made apology

Answer: (a)

10. Select the most appropriate option to complete the given sentence.

Mechanical Engineering students from IIT, Madras, have developed an unnamed sailing boat that can reach any given destination _____.

(a) highly
(b) autonomously
(c) verbally
(d) collaboratively

Answer: (b)

11. Select the most appropriate synonym of the word given in the brackets to fill in the blank.

Consuming coffee every day can have _____ (negative) effects on one's health.

(a) hospitable
(b) adverse
(c) despairing
(d) arbitrary

Answer: (b)

12. Select the most appropriate synonym of the underlined word in the given sentence.

Instead of studying rules and definitions, Helen acquired language through experience and habit.

(a) Obtained
(b) Forfeited
(c) Admired
(d) Awarded

Answer: (a)

13. Select the most appropriate ANTONYM of the word given in the bracket to fill in the blank.

She was too (feeble)_____ to leave her room.

(a) wimpy
(b) effete
(c) strong
(d) asthenic

Answer: (c)

14. Identify the INCORRECT spelling from the given sentence and select its correct spelling.

Voting allows every citezen to have a say in choosing who should run the government.

(a) allouse
(b) chosing
(c) goverment
(d) citizen

Answer: (d)

15. Select the most appropriate synonym of the given word.

Contagion

(a) Grandeur
(b) Illusion
(c) Transfusion
(d) Transmission

Answer: (d)

Passage — for questions 16–20

> 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 number.
>
> A low-pressure area characterised by rapid and frequently damaging air circulation is what (1)_____ cyclones. Storms and (2)_____ weather are frequently present during cyclones. In the Northern hemisphere, the air moves counter clockwise, (3)_____, in the Southern hemisphere, it moves clockwise. Extratropical cyclones, sometimes known as temperate cyclones, and tropical cyclones are the two (4)_____ under which cyclones fall. The name 'Cyclone' comes from the Greek word 'Cyclos' which means a snake's coils. Henry Paddington came up with the term because tropical storms in the Arabian Sea and Bay of Bengal (5)_____ coiled sea serpents.

16. Select the most appropriate answer for blank 1.
    (a) inspires
    (b) spawns
    (c) destroys
    (d) generates
    Answer: (d)

17. Select the most appropriate answer for blank 2.
    (a) unfavourable
    (b) accustomed
    (c) advantageous
    (d) unaccepted
    Answer: (a)

18. Select the most appropriate answer for blank 3
    (a) whereas
    (b) because
    (c) or
    (d) unless
    Answer: (a)

19. Select the most appropriate answer for blank 4.
    (a) ranks
    (b) statuses
    (c) categories
    (d) species
    Answer: (c)

20. Select the most appropriate answer for blank 5.
    (a) collect
    (b) negate
    (c) mimic
    (d) resemble
    Answer: (d)

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

General Knowledge and General Awareness

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

Elementary Mathematics

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

English

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