PREVIOUS YEAR PAPER

SSC GD Constable — 13 January 2023, Shift 3

SSC GD Constable · 13 January 2023 · 2:30 PM - 3:30 PM

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 13 January 2023, 2:30 PM - 3:30 PM. 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-2023-13-jan-shift-3/

General Intelligence and Reasoning

1. 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:
A. All pencils are sticks.
B. Some sticks are notes.
C. All diaries are notes. CONCLUSIONS:
I. Some notes are diaries.
II. Some sticks are pencils.
III. Some diaries are sticks.

(a) Only conclusion II follows.

(b) Only conclusion III follows.

(c) Both conclusions I and II follow.

(d) Both conclusions I and III follow.

Answer: (c)

2. Select the number from among the given options that can replace the question mark (?) in the following series. 120, 121, 128, 141, 160, ?

(a) 190

(b) 198

(c) 180

(d) 185

Answer: (d)

3. ‘A + B’ means ‘A is the brother of B’ ‘A – B’ means ‘A is the mother of B’ ‘A × B’ means ‘A is the husband of B’ ‘A ÷ B’ means ‘A is the sister of B’ If P ÷ Q – R + S – T × U, then which of the following statements is NOT correct?

(a) R is T’s mother’s brother.

(b) P is the mother-in-law of U.

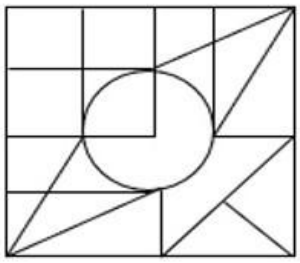
(c) Q is the mother of S.

(d) P is R’s mother’s sister.

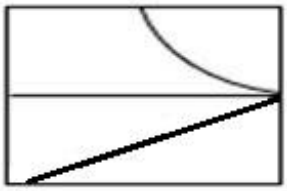
Answer: (b)

4.

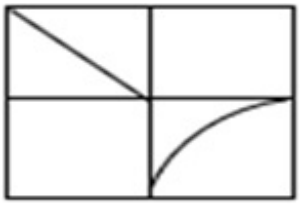
Select the option figure that is embedded in the given figure (rotation is NOT allowed).



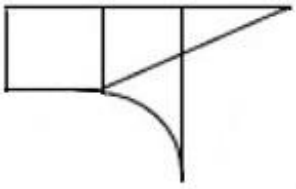
(a)



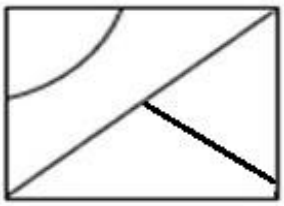
(b)



(c)



(d)



Answer: (c)

5.

Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.



(a)



(b)



(c)



(d)



Answer: (c)

6. Select the letter-cluster from among the given opt s that can replace the question mark (?) in the following series. FWCD, HQEF, JKGH, ? , NYKL

(a) GRXJ

(b) LEIJ

(c) GTBP

(d) LDGB

Answer: (b)

7.

Select the correct combination of mathematical signs to replace the * signs and balance the given equation.

176 * 4 * 9 * 3 * 13 * 14

(a)

÷ , + , − , × , =

(b)

− , × , + , ÷ , =

(c)

+ , − , ÷ , × , =

(d)

× , + , ÷ , − , =

Answer: (a)

8. 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. PJE : RNK :: DHN : FLT :: AMS : ?

(a) DQY

(b) CQY

(c) CQZ

(d) CRY

Answer: (b)

9. Which two signs should be interchanged to make the below equation mathematically correct? 25 + 8 ÷ 40 – 20 × 25 = 10

(a) ÷ and ×

(b) + and ÷

(c) + and ×

(d) – and +

Answer: (c)

10. Six students are sitting around a circular table facing the centre. James is sitting second to the right of Peter. Charles is sitting second to the left of Peter. Sam is sitting third to the right of James. Tom is sitting second to the right of Sam. Ashley is an immediate neighbour of Charles and James. Who is sitting between Ashley and Tom?

(a) James

(b) Sam

(c) Charles

(d) Peter

Answer: (a)

11. Which of the following numbers will replace the question mark (?) in the given series? 29, 65, 95, 119, ?, 149, 155

(a) 137

(b) 143

(c) 119

(d) 131

Answer: (a)

12. Which option represents the correct order of the given words as they would appear in the English dictionary? 1 instant 2 invite 3 ingrained 4 initiate 5 intimate

(a) 3,5,1,4,2

(b) 3,4,5,1,2

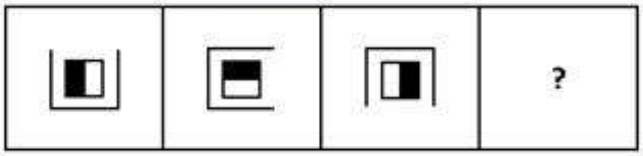
(c) 3,4,1,5,2

(d) 3,1,5,4,2

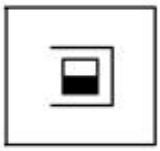
Answer: (c)

13.

Select the figure that will come next in the following series.



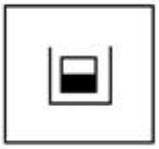
(a)



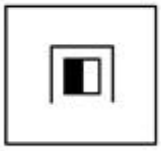
(b)



(c)



(d)



Answer: (a)

14. In a certain code language, 'BRAND' is written as 'DTYPF' and 'TOWER' is written as 'VMYCT'. How will 'STUDY' be written in that language?

(a) URWBA

(b) UVSFA

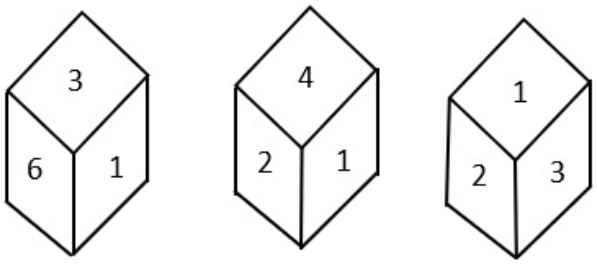
(c) UVWFA

(d) UVWFW

Answer: (b)

15.

Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'.



(a) 6

(b) 5

(c) 3

(d) 2

Answer: (b)

16. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (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/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) (14, 231, 19) (7, 154, 15)

(a) (13, 210, 17)

(b) (11, 188, 13)

(c) (9, 160, 15)

(d) (18, 242, 20)

Answer: (a)

17. Which letter-cluster will replace the question mark (?) to complete the given series? BMYU, YJVR, ?, SDPL, PAMI

(a) WHSO

(b) VHSO

(c) VGSO

(d) WGSO

Answer: (c)

18. In a certain code language, 'TERMINATOR' is written as 'ROTANTERMI' and 'SUPERMAN' is written as 'NAMRSUPE'. How will 'AVENGERS' be written in that language?

(a) SERGAVEN

(b) SREGAVEN

(c) SREAGVEN

(d) SREGAVNE

Answer: (b)

19. Five friends (A, B, C, E and F) are sitting around a circular table facing the centre. F is sitting to the immediate right of C. A is sitting to the immediate left of C. E is sitting to the immediate right of F. Who is sitting to the immediate right of B?

(a) E

(b) C

(c) F

(d) A

Answer: (d)

20. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Three : Triangle :: Four : ?

(a) Octagon

(b) Angle

(c) Rectangle

(d) Pentagon

Answer: (c)

General Knowledge and General Awareness

1. Fast food is often packed with fat and _____.

(a) empty calories

(b) iron

(c) nutrients

(d) calcium

Answer: (a)

2. Identify the general formula for alkenes.

(a) C_nH_{6n}

(b) C_nH_{3n}

(c) C_nH_{4n}

(d) C_nH_{2n}

Answer: (d)

3. In India, a Small-scale industry is defined with reference to the _____.

(a) Maximum number of Directors

(b) Maximum number of partners

(c) Maximum number of Employees

(d) Maximum investment allowed on the assets of a unit.

Answer: (d)

4. Which among the following festivals is the worship of 14 Gods and is celebrated in the month of July?

(a) Bonalu
(b) Losar
(c) Kharchi Puja
(d) Tripureshwari

Answer: (c)

5. When was the initial 10 Fundamental Duties added to the Constitution of India?

(a) 1955
(b) 1976
(c) 1947
(d) 1985

Answer: (b)

6. Which Schedule of the Constitution of India deals with Union, State and Concurrent lists?

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

Answer: (b)

7. India lies in which part of Asia?

(a) South Asia
(b) North Asia
(c) East Asia
(d) West Asia

Answer: (a)

8. Who among the following hosted the 2019 South Asian Games?

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

Answer: (b)

9. What is power, the most visible form of energy, which is often identified with progress in modern civilization, commonly called?

(a) fossil fuel
(b) electricity
(c) oil
(d) coal

Answer: (b)

10. In which year was the first edition of the Khelo India School Games held?
    (a) 2014
    (b) 2020
    (c) 2018
    (d) 2019
    Answer: (c)

11. A co-operative bank in India, is registered under the States_____ Act.
    (a) Minorities
    (b) Cooperative Societies
    (c) Companies
    (d) Industries
    Answer: (b)

12. A telecommunication industry includes satellites, closed computer networks and_____.
    (a) induction cookers
    (b) tube wells
    (c) air conditioners
    (d) wireless networks
    Answer: (d)

14. As of November 2022, who is the Union Minister f ood Processing Industries in India?
    (a) Hardeep Singh Puri
    (b) Nityanand Rai
    (c) Pashupati Kumar Paras
    (d) Raj Kumar Singh
    Answer: (c)

15. Chang Lo tribal dance is performed by the Chang tribe of _____.
    (a) Chhattisgarh
    (b) Nagaland
    (c) Goa
    (d) Madhya Pradesh
    Answer: (b)

16. Name of the three of the following is often used together as a group. Pick the odd one out.
    (a) Dada Bhai Naoroji
    (b) Bipin Chandra Pal
    (c) Lala Lajpat Rai
    (d) Bal Gangadhar Tilak
    Answer: (a)

17. Who holds the honour of being the Tirumala Tirupati Devastanam's Astana Nartaki?

(a) Mallika Sarabhai
(b) Yamini Krishnamurthy
(c) Shovana Narayan
(d) Sonal Mansingh

Answer: (b)

18. The Startup India Initiative, launched on _____ has rolled out several programs with the objective of supporting entrepreneurs.

(a) 16th January,2016
(b) 14th January,2014
(c) 17th January,2017
(d) 15th January,2015

Answer: (a)

19. Chaudhary Ajit Singh, who passed away in 2021, was the founder of which of the following parties?

(a) Rashtriya Lok Dal
(b) Samajwadi Party
(c) Bahujan Samaj Party
(d) Communist Party of India

Answer: (a)

20. Ashvaghosha who composed 'Buddhacharita' li in the court of _____.

(a) Kanishka
(b) Vasudeva
(c) Vasishka
(d) Sadashkana

Answer: (a)

Elementary Mathematics

1.

A toy is in the form of a cone mounted on a hemisphere. The radius of the hemisphere and that of the cone is 7 cm and height of the cone is 5 cm. The total surface area of the toy (take $\pi = \frac{22}{7}$) is (rounded off to two places of decimal):

(a) 2648.81 cm^2
(b) 2666.85 cm^2
(c) 497.25 cm^2
(d) 486.65 cm^2

Answer: (c)

2.

Find the mean proportional of $(x+y)^4$ and $(x-y)^4$.

(a)

$(x^2-y^2)^3$

(b)

(x^2-y^2)

(c)

$(x^2-y^2)^2$

(d)

$(x^2-y^2)^4$

Answer: (c)

3. The average salary of all the workers in a factory is Rs.3,000. Among these workers, there are 12 higher officers and their average salary is Rs.12,000. The average salary of the remaining workers is Rs.2,500. The total number of the workers is _____.

(a) 200

(b) 204

(c) 216

(d) 228

Answer: (d)

4.

The HCF of $\frac{3}{8}, \frac{5}{12}$ and $\frac{15}{16}$ is:

(a)

$\frac{1}{12}$

(b)

$\frac{1}{24}$

(c)

$\frac{1}{48}$

(d)

$\frac{1}{36}$

Answer: (c)

5. The population of a town is increasing at 5% per annum. What will be the population of the town after 2 years, if the present population is 16000?

(a) 17960

(b) 16560

(c) 16960

(d) 17640

Answer: (d)

6. A sum on compound interest, compounding annually amounts to Rs.30,250 in 2 years and to Rs.33,275 in 3 years. Find the sum.

(a)

Rs.23,000

(b)

Rs.26,000

(c)

Rs.24,000

(d)

Rs.25,000

Answer: (d)

7. A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days can A alone finish the whole work?

(a) 60

(b) 66

(c) 56

(d) 62

Answer: (a)

8. By selling goods for ₹ 15,000, Ramu gains ₹ 3,000. What is his profit percentage?

(a)

18%

(b)

25%

(c)

30%

(d)

20%

Answer: (b)

9. A, B and C together can complete a piece of work in 40/3 days. All three started working at it together and after 5 days A left. Then B and C together completed the remaining work in 17 days. Find the number of days (approximately) in which A alone can complete the total work.

(a) 24 days
(b) 29 days
(c) 26 days
(d) 44 days

Answer: (c)

10. Find the remainder when the smallest 6-digit number divisible by 12, 15 and 25 is divided by 9.

(a) 3
(b) 1
(c) 2
(d) 0

Answer: (a)

11. A train travels from Delhi to Dehradun at the speed of 120 km/h and from Dehradun to Delhi at the speed of 130 km/h. What is the average speed during the whole journey?

(a) 127.8 km/h
(b) 126.8 km/h
(c) 125.4 km/h
(d) 124.8 km/h

Answer: (d)

12. The marked price of a bedsheet is 14 p[illegible]nt r[illegible]e than its cost price. If a discount of 14 percent is given on the marked price. What is[illegible]n or loss percent?

(a) 1.44 percent gain
(b) 1.96 percent loss
(c) 1.64 percent gain
(d) 1.82 percent loss

Answer: (b)

13. A single discount equivalent to successive discounts of 10%, 20% and 40% on marked price is:

(a) $56\frac{4}{5}\%$

(b) $52\frac{1}{5}\%$

(c) $51\frac{4}{5}\%$

(d) $48\frac{1}{5}\%$

Answer: (a)

14. 75% of first number is equal to 60% of second number. What is the ratio of the first number and second number?

(a) $2:3$

(b) $4:5$

(c) $1:2$

(d) $3:4$

Answer: (b)

15.

Find the volume of a cone, the radius of whose base is 21 cm and height is 20 cm. Take $\pi = \frac{22}{7}$.

(a) 8840 cm^3

(b) 9204 cm^3

(c) 9420 cm^3

(d) 9240 cm^3

Answer: (d)

16. Find the mean proportional between 18 and 32.

(a) 22

(b) 24

(c) 20

(d) 25

Answer: (b)

17. An almirah was brought for Rs.14,360 and Rs.240 was spent on its transportation. At what price should it be sold, to gain 15%?

(a) Rs.16,780
(b) Rs.16,800
(c) Rs.16,770
(d) Rs.16,790

Answer: (d)

18. Ravish travelled the first 20 km of an entire distance at a speed of 12 km/h; the next 25 km at a speed of 10 km/h and the remaining distance at a speed of 15 km/h. If his overall average speed was 13.5 km/h, what was the distance that Ravish travelled at a speed of 15 km/h?

(a) 111.95 km
(b) 110.95 km
(c) 112.5 km
(d) 113.95km

Answer: (c)

19. A car covers a distance of 1080 km in 240 minutes. What is the speed of the car in m/sec?

(a) 70
(b) 81
(c) 55
(d) 75

Answer: (d)

20. Om decided to order 12 percent more r[illegible] flo[illegible] or his bakery than last year. If he ordered 240 kg last year, then how much quantity of mille[illegible]hould he order this year?

(a) 272.2 kg
(b) 268.8 kg
(c) 252.2 kg
(d) 258.8 kg

Answer: (b)

English

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

Hang in there

(a) A wise decision
(b) Overcoming joy
(c) Don’t rake up a controversy
(d) Don’t give up

Answer: (d)

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

Transient

(a) Delicate
(b) Perishable
(c) Temporary
(d) Permanent

Answer: (d)

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

Confident

(a) Cowardly
(b) Undaunted
(c) Bold
(d) Carefree

Answer: (a)

5. Select the INCORRECTLY spelt word.

(a) Necesity
(b) Weather
(c) Knowledge
(d) Modest

Answer: (a)

6. Select the most appropriate synonym of the underlined word in the following sentence.

One should enjoy liberty with duties in mind.

(a) Meal
(b) Democracy
(c) Statue
(d) Freedom

Answer: (d)

7. Select the correct pair of words for the blanks in the given sentence.

Computer has a _____ memory and my father prefers _____ to digital payments.

(a) cash; cash
(b) cache; cash
(c) cache; cache
(d) cash; cache

Answer: (b)

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

Significant

(a) Prominent
(b) Idle
(c) Distinct
(d) Paltry

Answer: (d)

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

Aghast

(a) Mystified
(b) Inspired
(c) Pacified
(d) Horrified

Answer: (d)

10. Select the INCORRECTLY spelt word.

(a) Lament
(b) License
(c) Juggle
(d) Exklusive

Answer: (d)

11. Select the most appropriate option to fill in the blank. We _____ the mathematical issue with zest and vigour.

(a) cleared up
(b) solved
(c) settled
(d) remedied

Answer: (b)

12. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

The farmer has been work since 8 a.m. today and he's not completed the work yet.

(a) is been working
(b) has been working
(c) No substitution
(d) had working

Answer: (b)

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

The garbage _____ empties into a big bin.

(a) shoot
(b) should
(c) shook
(d) chute

Answer: (d)

14. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I am give / a speech on / emerging economic dynamics / in the program.

(a) I am give
(b) a speech on
(c) emerging economic dynamics
(d) in the program

Answer: (a)

15. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'. I went there to say goodbye to him but he refuse to meet me.

(a) No substitution
(b) he refused to meet me
(c) he has refused to meet me
(d) he refused in meeting me

Answer: (b)

Passage — for questions 16–20

> In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
>
> A lot of research has (1)_____ that reptiles and amphibians are cold-blooded (2)_____. By the term cold-blooded animals, we (3)_____ that they cannot control their body temperature like we can. A reptile's skin is dry and scaly, (4)_____ the skin of an amphibian is wet and smooth. Most reptiles spend much of their time (5)_____ on land. Most amphibians live in or around water.

16. Select the most appropriate option to fill in blank number 1.

(a) proved
(b) tell
(c) talked
(d) spread

Answer: (a)

17. Select the most appropriate option to fill in blank number 2.
    (a) birds
    (b) animals
    (c) plants
    (d) organisms
    Answer: (b)

18. Select the most appropriate option to fill in blank number 3.
    (a) intent
    (b) express
    (c) designate
    (d) mean
    Answer: (d)

19. Select the most appropriate option to fill in blank number 4.
    (a) contrary
    (b) similarly
    (c) conversely
    (d) whereas
    Answer: (d)

20. Select the most appropriate option to fill in blank number 5.
    (a) walking
    (b) dragging
    (c) jumping
    (d) crawling
    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	**(b)**	4	**(c)**	5	**(c)**	6	**(b)**	7	**(a)**	8	**(b)**
9	**(c)**	10	**(a)**	11	**(a)**	12	**(c)**	13	**(a)**	14	**(b)**	15	**(b)**	16	**(a)**
17	**(c)**	18	**(b)**	19	**(d)**	20	**(c)**								

General Knowledge and General Awareness

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

Elementary Mathematics

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

English

1	**(d)**	2	**(d)**	3	**(a)**	5	**(a)**	6	**(d)**	7	**(b)**	8	**(d)**	9	**(d)**
10	**(d)**	11	**(b)**	12	**(b)**	13	**(d)**	[illegible]	**(a)**	15	**(b)**	16	**(a)**	17	**(b)**
18	**(d)**	19	**(d)**	20	**(d)**										