PREVIOUS YEAR PAPER

SSC MTS 2021 — 7 July 2022, Shift 3

SSC MTS & Havaldar · 7 July 2022 · 5:00 PM - 6:30 PM

89 of the paper's 100 questions · marks per question not printed on the response sheet

Left out of the original paper: 11 (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 7 July 2022, 5:00 PM - 6:30 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-mts/previous-year-papers/ssc-mts-2021-7-jul-shift-3/

General English

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

William _____ his friends not to intrude into his family's affairs.

(a) claimed
(b) gambled
(c) warned
(d) satisfied

Answer: (c)

2. Select the most appropriate option to fill in the blar

Vendors expressed their concerns over the _____ p e of onion.

(a) raise
(b) raising
(c) rising
(d) rise

Answer: (c)

3. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Despite the doctor's stern warning, / he continued taking sugar / in his tea.

(a) in his tea
(b) No error
(c) he continued taking sugar
(d) Despite the doctor's stern warning,

Answer: (b)

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

The agility of the acrobat _____ and thrilled the audience.

(a) amaze
(b) amazes
(c) amazing
(d) amazed

Answer: (d)

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

Advent

(a) Purpose
(b) Departure
(c) Arrival
(d) Turn

Answer: (c)

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

Most people believe that working out and meeting fat loss needs is challenging, but a _____ basic program can take you a long way.

(a) erratic
(b) consistent
(c) strange
(d) impartial

Answer: (b)

7. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

While the symptoms <u>are troubling,</u> they typically resolve within two weeks.

(a) No improvement required
(b) was troubling
(c) is troubling
(d) are troubled

Answer: (a)

8. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

I don't know anyone who spoken Portuguese in my school.

(a) No error
(b) who spoken Portuguese
(c) I don't know anyone
(d) in my school

Answer: (b)

9. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

No sooner had he got out of her sight that she proceeded to tamper with the letter.

(a) No improvement required
(b) No sooner did he got out of her sight and
(c) As soon as he got out of her sight than
(d) No sooner had he got out of her sight than

Answer: (d)

10. Select the most appropriate meaning of the underlined idiom in the given sentence.

Neha stood beside my sister through thick and thin.

(a) In a strange manner
(b) under all circumstances
(c) Without any result
(d) in good times only

Answer: (b)

11. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement reuired'.

I was thinking about buying an new vehicle.

(a) bought a new
(b) buy a newly
(c) No improvement reuired
(d) buying a new

Answer: (d)

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

The garret where he lay at night had long been _____, and a great number of mice had made their home in it.

(a) vacant
(b) partial
(c) visible
(d) thick

Answer: (a)

13. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

I am dealing with / some family issues / right now.

(a) No error
(b) some family issues
(c) right now
(d) I am dealing with

Answer: (a)

14. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Everyone must participate in this session as it is on subject that affects the community.

(a) No improvement required
(b) effects
(c) affecting
(d) affect

Answer: (a)

15. Select the INCORRECTLY spelt word.

(a) Perfidy
(b) Misanthrope
(c) Relentless
(d) Ingenuos

Answer: (d)

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

Luminous

(a) Hunched
(b) Homespun
(c) Simple
(d) Dim

Answer: (d)

17. Select the correctly spelt word.

(a) Condusive
(b) Apparently
(c) Bottelneck
(d) Endognous

Answer: (b)

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

Merry

(a) Morose
(b) Happy
(c) Somber
(d) Angry

Answer: (b)

19. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

My mother looked at Sana and me with her mouth slight openly.

(a) an openly slight
(b) No improvement required
(c) open slight
(d) slightly open

Answer: (d)

20. Select the most appropriate meaning of the gıven idiom.

The lion's share

(a) The most challenging goal of many
(b) The most important person
(c) The most expensive item
(d) The biggest and best part of a whole

Answer: (d)

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.
>
> Every evening, (1) _____ a point midway along the arrow-straight road between Amritsar and Lahore, rival squads of (2) _____ uniformed soldiers strut and stomp a 17th-century British military drill known as Beating Retreat. Barked commands, (3) _____ glares and preposterously high kicks all signal violent intent. But then, lovingly and in (4) _____, the enemies lower their national flags. Opposing guardsmen (5) _____ shake hands, and the border gates roll shut for the night.

21. Select the most appropriate option to fill in blank number 1.
    (a) in
    (b) along
    (c) on
    (d) at
    Answer: (d)

22. Select the most appropriate option to fill in blank number 2.
    (a) elatedly
    (b) gladly
    (c) splendidly
    (d) badly
    Answer: (c)

23. Select the most appropriate option to fill in blank number 3.
    (a) silly
    (b) witty
    (c) fierce
    (d) diverting
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) unison
    (b) unlikeliness
    (c) discord
    (d) plenty
    Answer: (a)

25. Select the most appropriate option to fill in blank number 5.
    (a) brightly
    (b) curtly
    (c) critically
    (d) radically
    Answer: (b)

General Intelligence and Reasoning

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

834, 836, 844, 876, 1004, ?

(a) 1524

(b) 1520

(c) 1518

(d) 1516

Answer: (d)

3.

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



(a)



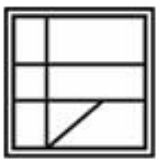
(b)



(c)



(d)



Answer: (c)

4. Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

4284 : 18 :: ? : 16 :: 1482 : 15

(a) 3854
(b) 2854
(c) 1486
(d) 3256

Answer: (d)

5. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

UY, ZD, EI, JN, ?

(a) PS
(b) OS
(c) OT
(d) OR

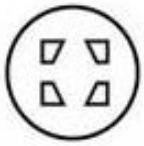
Answer: (b)

6.

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



(a)



(b)



(c)



(d)



Answer: (d)

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

3, 15, 75, 375, ?

(a) 1375

(b) 1675

(c) 1875

(d) 2075

Answer: (c)

8. In a certain code language, 'calculator are numbers' is coded as '8 # pg', 'numbers being odd even' is coded as '# rm ts kp', and 'odd are strong' is coded as 'kp 8 ab'. What can be the code for 'calculator odd' in that language?

(a) pg kp

(b) pg 8

(c) ts #

(d) rm ts

Answer: (a)

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

DOW : WDO :: RAM : ?

(a) RMA
(b) MAR
(c) ARM
(d) MRA

Answer: (d)

10. Seven boys M, K, C, P, S, T and U participate in a contest. All of them finish on different ranks from 1 to 7, 1 being the highest and 7 being the lowest. The rank of S is lower than K, but higher than C. The rank of T is one below U and one above P. U has the second highest rank. The rank of S is less than only four boys. C has the least rank. Whose rank is the third from the last?

(a) P
(b) K
(c) S
(d) T

Answer: (c)

11. Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Asthma : Lungs :: Arthritis : Bones :: Conjunctivitis : ?

(a) Eyes
(b) Heart
(c) Skin
(d) Brain

Answer: (a)

12. Five people M1, M2, M3, M4 and M5 are sitting around a circular table facing the centre (but not necessarily in the same order). Only one person is sitting between M3 and M4. M2 is sitting second to the left of M4. M1 is sitting to the immediate right of M2.

How many people are sitting between M2 and M1, when counted from the left of M2?

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

Answer: (a)

13. In a certain code language, 'GRAPES' is written as 'HQBOFR', and 'FACTOR' is written as 'GZDSPQ'. How will 'LAYOUT' be written in that code language?

(a) MZZNVS
(b) KZXNTS
(c) MBZPVU
(d) SNLAJS

Answer: (a)

14. 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:
I. All W are B. II. No X is W.

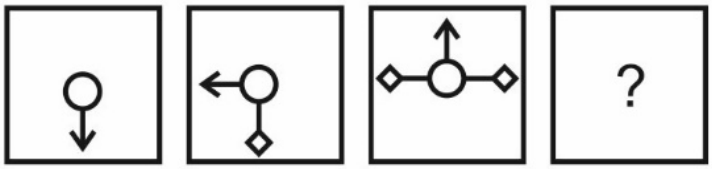
Conclusions: I. Some B are W.
II. Some W are X.
III. All X are B.

(a) Only conclusion III follows
(b) Only conclusion II follows
(c) Only conclusion I follows
(d) All the conclusions follow

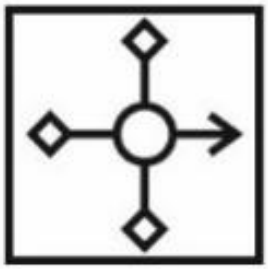
Answer: (c)

15.

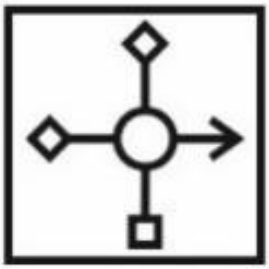
Select the figure from among the given options that can replace the question mark (?) in the following series.



(a)



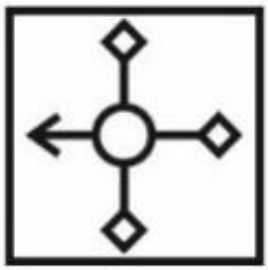
(b)



(c)



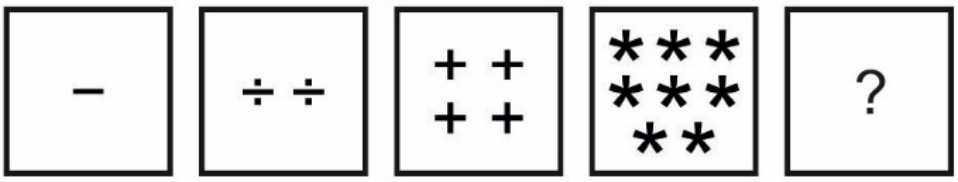
(d)



Answer: (a)

16.

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



(a)



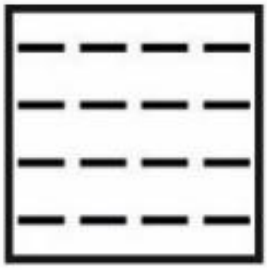
(b)



(c)



(d)



Answer: (d)

17. 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: I. All T are F. II. Some P are T.

Conclusions: I. No F is P. II. Some F are P is a possibility.

(a) Both conclusions I and II follow

(b) Only conclusion II follows

(c) Neither conclusion I nor II follows

(d) Only conclusion I follows

Answer: (b)

18. Seven men M1, M2, M3, M4, M5, M6 and M7 are sitting around a circular table, facing towards the centre (not necessarily in the same order). M5 is the immediate neighbour of both M1 and M4. M6 is to the immediate right of M1. M7 is not the immediate neighbour of M6 or M3.Who is second to the right of M7?

(a) M5

(b) M1

(c) M3

(d) M2

Answer: (a)

19. In a certain code language, 'SOBER' is written as QEIW', 'MACHO' is written as 'NCFLT', and 'MAGIC' is written as 'NCJMH'. How will 'ALTAR' be itten in that language?

(a) BNWBW

(b) BWNEW

(c) BMUBS

(d) BNWEW

Answer: (d)

20. Which two number should be interchanged to make the following equation correct?

72 ÷ 9 × 8 + 6 – 5 = 100

(a) 9 and 6

(b) 9 and 8

(c) 6 and 8

(d) 9 and 5

Answer: (a)

21. In a certain code language, 'PINKYS' is written as 'OJMLXT' and 'TORQUE' is written as 'SPQRTF'. How will 'GAMPST' be written in that code language?

(a) FBLRQU
(b) FBLQRU
(c) FBLQRV
(d) FBLRRU

Answer: (b)

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

KRY : NWR :: PBX : ?

(a) RHQ
(b) SHQ
(c) RGQ
(d) SGQ

Answer: (d)

23. Select the option in which the numbers are related in the same way as are the numbers in the given sets.

(4, 9, 16) (81, 100, 121)

(a) (16, 36, 25)
(b) (25, 49, 81)
(c) (9, 16, 36)
(d) (36, 49, 64)

Answer: (d)

24.

Select the correct mirror image of the given figure when the mirror is placed at the right side.



(a)



(b)



(c)



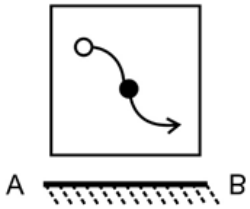
(d)



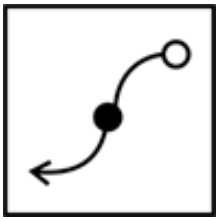
Answer: (a)

25.

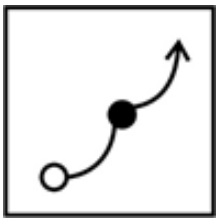
Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.



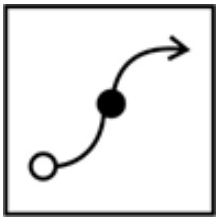
(a)



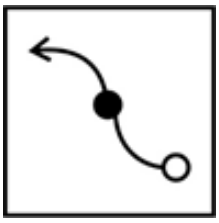
(b)



(c)



(d)



Answer: (c)

Numerical Aptitude

1.

If $\frac{A}{2} = \frac{B}{3} = \frac{C}{7}$, then what is the value of the ratio $(4A + 3B - C) : (A + B + C)$?

(a)

$7 : 6$

(b)

$5 : 6$

(c)

$9 : 8$

(d)

$8 : 5$

Answer: (b)

3.

The highest common factor of two numbers is 6, and the product of the two numbers is 72. What is the least common multiple of the two numbers?

(a)

16

(b)

18

(c)

12

(d)

14

Answer: (c)

4.

The measures of the outer dimensions of a closed metal box are given as 15 cm × 18 cm × 8 cm. The thickness of the metal is 1.5 cm. What will be the volume of the metal required to make the box?

(a)

$1680\ cm^3$

(b)

$950\ cm^3$

(c)

$1440\ cm^3$

(d)

$1260\ cm^3$

Answer: (d)

6.

What is the average of the first 6 multiples of 10?

(a)

36

(b)

35

(c)

34.5

(d)

32

Answer: (b)

7.

If a chair is sold at a discount of 20%, then there is a profit of 20%. If the chair is sold at a discount of 30%, then what will be the profit?

(a)

5%

(b)

10%

(c)

7.5%

(d)

12.5%

Answer: (a)

8.

The length of a side of an equilateral triangle is 120 cm less than its perimeter. What is the area of the equilateral triangle?

(a)

$1800\sqrt{3}\ cm^2$

(b)

$900\sqrt{3}\ cm^2$

(c)

$450\sqrt{3}\ cm^2$

(d)

$1200\sqrt{3}\ cm^2$

Answer: (b)

9.

If a boy goes from his home to his school at a speed of 40 km/h, he reaches 10 minutes early. If he goes at a speed of 35 km/h, he reaches 5 minutes late. What will be the time taken for the journey at a speed of 35 km/h?

(a)

125 minutes

(b)

135 minutes

(c)

115 minutes

(d)

120 minutes

Answer: (d)

10.

What should come in place of the question mark (?) in the following mathematical statement?

25% of $(?)^2 = 7 + 145 \div 5$

(a)

27

(b)

37

(c)

12

(d)

62

Answer: (c)

12.

N is increased successively by 12.5% and 16%. If N = 400, then what is the value of the increase?

(a)

142

(b)

92

(c)

172

(d)

122

Answer: (d)

13.

The following table shows the weight (in kg) of vegetables sold by 6 different shops. It also shows the weight (in kg) of tomatoes sold out of the total vegetables sold by each of these shops.

Shops	Vegetables (in kg)	Tomatoes (in kg)
S1	5000	1200
S2	6000	1000
S3	4800	800
S4	6400	1400
S5	5600	1800
S6	6800	2000

Taking shops S1, S2 and S5 together, approximately what percentage of all vegetables sold, from these three shops taken together, are tomatoes?

(a)

19.11%

(b)

21.28%

(c)

24.10%

(d)

25.89%

Answer: (c)

14.

Pipe A can fill an empty tank in 10 h, Pipe B can fill the same tank, when empty, in 15 h, and Pipe C can empty the same tank, when completely full, in 12 h. Find the time taken to fill half the tank if all three pipes are opened simultaneously when the tank is empty.

(a)

6 h

(b)

4 h

(c)

12 h

(d)

8 h

Answer: (a)

19.

A student has to obtain a minimum of 50% marks in an examination to pass. He scored 40% and failed by 30 marks. Find the total marks of the examination.

(a)

320

(b)

280

(c)

300

(d)

400

Answer: (c)

20.

Three pipes, D, E and F, can fill a tank in 6 min, 8 min and 12 min, respectively. All the pipes are opened simultaneously, and then pipes D and E are closed 3 minutes before tank is full. In how much time will the tank be full?

(a)

5 min

(b)

3 min

(c)

6 min

(d)

4 min

Answer: (a)

22.

The population of a town increases by 5% every year. If the present population of the town is 282240, then what was the population of the town 2 years ago?

(a)

266000

(b)

256000

(c)

228000

(d)

225000

Answer: (b)

23.

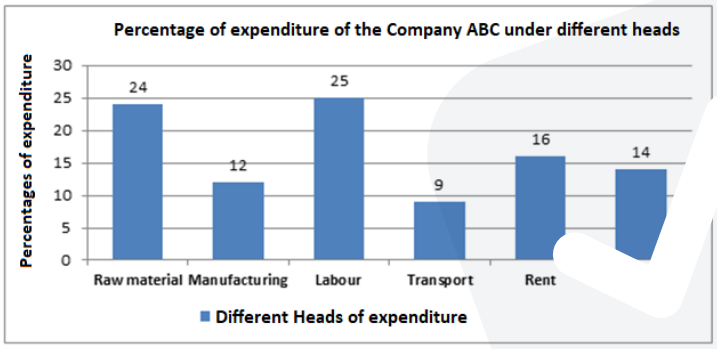
Shital covers a certain distance in 9 hours at the speed of 40 km/h. If she wants to cover the same distance in 6 hours, then by how much will she have to increase her speed (in km/h)?

(a)
12
(b)
15
(c)
18
(d)
20

Answer: (d)

25.

Study the given bar-graph and answer the question that follows.
The bar-graph given below shows the distribution of the expenditure of the Company ABC under different heads during a given year as percentages of the total expenditure of the company during that year. The total annual expenditure of the company is ₹30 crores.



What is the difference (in ₹) between the amount spent on rent and that on other expenses?

(a)
0.8 crore
(b)
1.5 crore
(c)
1.2 crore
(d)
0.6 crore

Answer: (d)

General Awareness

1. With which of the following sports is Aditi Ashok is associated?
   (a) Tennis
   (b) Shooting
   (c) Chess
   (d) Golf
   Answer: (d)

2. The Coriolis Force is caused by:
   (a) earth's rotation
   (b) sunlight
   (c) tidal waves
   (d) wind
   Answer: (a)

3. Which of the following physical quantities has same SI unit as that of work?
   (a) Pressure
   (b) Power
   (c) Force
   (d) Energy
   Answer: (d)

4. Who was conferred with the National Nritya Shiromani Award 2022?
   (a) Anindita Neogy Anaam
   (b) Aparna Satheesan
   (c) Shantha Dhananjayan
   (d) Birju Maharaj
   Answer: (b)

5. Who became Indian Air Force's first woman fighter pilot from Jammu and Kashmir in 2021?
   (a) Punita Arora
   (b) Mitali Madhumita
   (c) Padmavathy Bandopadhyay
   (d) Mawya Sudan
   Answer: (d)

6. _____ is a popular game in Assam and resembles kabaddi played with a ball.
   (a) Field Hockey
   (b) Kho-Kho
   (c) Cricket
   (d) Dhopkhel
   Answer: (d)

7. In which year did the Mongols under Genghis Khan invade Transoxiana in North-East Iran?

(a) 1219
(b) 1208
(c) 1213
(d) 1205

Answer: (a)

8. Which of the following classifications do humans NOT fall under?

(a) Chordata
(b) Porifera
(c) Hominidae
(d) Vertebrata

Answer: (b)

9. Ramabhar Stupa, which marks the site where Lord Buddha was cremated, is situated in which state of India?

(a) Himachal Pradesh
(b) Bihar
(c) Madhya Pradesh
(d) Uttar Pradesh

Answer: (d)

10. Which author wrote the famous novel, 'The White Tiger'?

(a) Vikram Seth
(b) Jhumpa Lahiri
(c) Arundhati Roy
(d) Aravind Adiga

Answer: (d)

11. Onam is an annual Hindu festival with origins in the state of _____ in India.

(a) Jharkhand
(b) Manipur
(c) Kerala
(d) Mizoram

Answer: (c)

12. Who among the following Indian singers received the 'Bharat Ratna' in 2001?

(a) Asha Bhosle
(b) Ali Akbar Khan
(c) Shreya Ghoshal
(d) Lata Mangeshkar

Answer: (d)

13. The minimum temperature of the day occurs generally _____.

(a) in the evening
(b) at night
(c) in the afternoon
(d) in the early morning

Answer: (d)

14. The Begums of Bhopal founded a primary school for girls in the early twentieth century at _____.

(a) Lahore
(b) Bombay
(c) Aligarh
(d) Pune

Answer: (c)

15. Which scheme was launched in February 2022 to provide welfare and rehabilitation to the transgender community and the people engaged in the act of begging?

(a) SMILE Scheme
(b) CLAP Scheme
(c) DevINE Scheme
(d) Sadbhavana Scheme

Answer: (a)

16. Adityanath Yogi won from which constituency in 2022 assembly elections?

(a) Bilaspur
(b) Muzaffarnagar
(c) Gorakhpur (Urban)
(d) Noida

Answer: (c)

17. In the 18th century, the British fought _____ wars with the Mysore rulers.

(a) Two
(b) Six
(c) Three
(d) Four

Answer: (d)

18. Sam has an income of ₹9 lakh per annum. Which tax slab (new regime) of India is applicable to him?

(a) 15%
(b) 10%
(c) 5%
(d) 20%

Answer: (a)

19. Which of the following pairs of 'Natural source – Acid' is NOT correctly matched?

(a) Tamarind – Oxalic acid
(b) Vinegar – Acetic acid
(c) Curd – Lactic acid
(d) Orange – Citric acid

Answer: (a)

20. Which type of unemployment is mostly found in urban areas?

(a) Educated unemployment
(b) Cyclic unemployment
(c) Open unemployment
(d) Seasonal unemployment

Answer: (a)

21. Who, with the help of Kautilya, overthrew Dhanananda, the last Nanda ruler, in 322 BC?

(a) Ashoka
(b) Chandragupta Maurya
(c) Akbar
(d) Kalashoka

Answer: (b)

23. Push and pull factors are associated with which c ponent of the population?

(a) Migration
(b) Death rate
(c) Birth rate
(d) Age

Answer: (a)

24. Who among the following was the first to bring the concept of modern dance to India with his novel approach and works?

(a) Guru Bipin Singh
(b) Padma Subrahmanyam
(c) Kelucharan Mohapatra
(d) Uday Shankar

Answer: (d)

25. According to the Indian Constitution, no child below the age of _____years shall be employed to work in any factory or mine or engaged in any other hazardous employment.

(a) fourteen
(b) ten
(c) twelve
(d) sixteen

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 English

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(b)**	3	**(c)**	4	**(d)**	6	**(b)**	7	**(a)**	8	**(b)**
9	**(d)**	10	**(c)**	12	**(d)**	13	**(c)**	14	**(a)**	19	**(c)**
20	**(a)**	22	**(b)**	23	**(d)**	25	**(d)**				

General Awareness

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