PREVIOUS YEAR PAPER

SSC MTS 2021 — 25 July 2022, Shift 1

SSC MTS & Havaldar · 25 July 2022 · 9:00 AM - 10:30 AM

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

Left out of the original paper: 12 (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 25 July 2022, 9:00 AM - 10:30 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-mts/previous-year-papers/ssc-mts-2021-25-jul-shift-1/

General English

1. Select the option that can be used as a one-word substitute for the given group of words.

Make (something bad or unsatisfactory) better

(a) Judge
(b) Malign
(c) Castigate
(d) Ameliorate

Answer: (d)

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

The viewing for the Mount Everest is clear from e.

(a) view of an
(b) view of
(c) No improvement reuired
(d) viewing of a

Answer: (b)

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

An immense crowd had gather to witness this ceremony.

(a) had gathering
(b) gather
(c) No improvement required
(d) had gathered

Answer: (d)

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

When it comes to love of sports, he takes off his father.

(a) takes from
(b) takes by
(c) takes after
(d) No improvement required

Answer: (c)

5. Select the INCORRECTLY spelt word.

(a) Bombastic
(b) Arachic
(c) Benign
(d) Artless

Answer: (b)

6. 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.

Businesses are asking employees to work from home.

(a) employees to work
(b) from home
(c) Businesses are asking
(d) No error

Answer: (d)

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

A child in an art museum is like a bull in a China shop.

(a) A clumsy person in a delicate situation
(b) A person who cries for everything
(c) A talkative person
(d) A person with no moral values

Answer: (a)

8. Select the option that can be used as a one-word substitute for the given group of words.

An afternoon performance in a theatre or cinema

(a) Canvas
(b) Premiere
(c) Comedy
(d) Matinee

Answer: (d)

9. Select the option that can be used as a one-word substitute for the given group of words.

An ability to find ways and directions

(a) Navigate
(b) Annotate
(c) drive
(d) operate

Answer: (a)

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

It was a long and dangerous journey in those unsettled days.The pilgrim had to face _____ by land and sea.

(a) safeties
(b) respite
(c) perils
(d) exposure

Answer: (c)

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

Hesitant

(a) Diligent
(b) Remote
(c) Eager
(d) Reluctant

Answer: (d)

12. 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.

She didn't knew / that I was out / for some urgent work.

(a) for some urgent work
(b) No error
(c) that I was out
(d) She didn't knew

Answer: (d)

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

Many state governments <u>are facing a</u> financial crunch.

(a) are facing an
(b) is facing a
(c) will facing a
(d) No improvement required

Answer: (d)

14. 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 have receive perhaps four / or five such requests during the / course of a typical week.

(a) or five such requests during the
(b) No error
(c) course of a typical week
(d) I have receive perhaps four

Answer: (d)

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

Laconic

(a) Verbose
(b) Pithy
(c) Brief
(d) Terse

Answer: (a)

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

Vanquish

(a) Defeat
(b) Acquit
(c) Surrender
(d) Flee

Answer: (a)

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

Overindulgence in anything may prove _____ to health.

(a) spurious
(b) injurious
(c) repetitive
(d) commercial

Answer: (b)

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

The judges applauded me for my _____ performance at the competition.

(a) usual
(b) normal
(c) outstanding
(d) large

Answer: (c)

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

Bury the hatchet

(a) To change the plans
(b) To make secret preparations to attack
(c) To settle disputes
(d) To hide something controversial

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.
>
> Love is often thought to be the highest and most fulfilling emotion that men and women can (1)_____. But it is also thought of in (2)_____ to the various instincts in man. Therefore, we must (3)_____ from the mystical point of view that love is the highest emotion of man and the one emotion that relates man to God. Love on every plane and level of life is an expression of God's will, working and expressing itself in man's consciousness. To express love on any level is good, but to express it as adoration of God is the (4)_____ form of love and brings man into the greatest (5)_____ with his inner self.

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

(a) condemn
(b) express
(c) attack
(d) condone

Answer: (b)

22. Select the most appropriate option to fill in blank number 2.
    (a) mention
    (b) inspection
    (c) position
    (d) relation
    Answer: (d)

23. Select the most appropriate option to fill in blank number 3.
    (a) realise
    (b) comprehends
    (c) acknowledges
    (d) contrast
    Answer: (a)

24. Select the most appropriate option to fill in blank number 4.
    (a) smallest
    (b) latest
    (c) highest
    (d) largest
    Answer: (c)

25. Select the most appropriate option to fill in blank number 5.
    (a) suffering
    (b) harmony
    (c) menace
    (d) loathing
    Answer: (b)

General Intelligence and Reasoning

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

1246 : 2164 :: 3482 : 4328 :: ? : 2548
    (a) 2485
    (b) 5284
    (c) 2854
    (d) 2458
    Answer: (b)

2. What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and also '−' and '÷' are interchanged?

4 + 8 ÷ 4 × 2 − 2 = ?

(a) 44
(b) 28
(c) 48
(d) 29

Answer: (d)

4. 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.

ROBY : TJDT :: GAIN : ?

(a) IVKI
(b) IUKJ
(c) IUKI
(d) IVKJ

Answer: (a)

5. 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.

LOCAL : SVJHS :: PROOF : WYVVM :: STAGE : ?

(a) ZAHML
(b) ZAINL
(c) ZAHNL
(d) ZAHNK

Answer: (c)

6. In a certain code language, if Grapes is called Grass, Grass is called Jasmine, Jasmine is called Jaggery, Jaggery is called Melon, and Melon is called Guava, then what is a manmade object?

(a) Jaggery
(b) Melon
(c) Guava
(d) Jasmine

Answer: (b)

7. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given letter-clusters.

AM : EQ

(a) RS : VX

(b) LB : JF

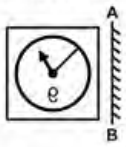
(c) GH : KE

(d) PT : TX

Answer: (d)

8.

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



(a)



(b)



(c)



(d)



Answer: (c)

9. 8 boys A, B, C, D, E, F, G and H are sitting around a square table facing towards the centre (not necessarily in the same order). 4 boys are sitting at each corner, and 4 boys are sitting at the middle of each side of the table. A is an immediate neighbour of H and G. A is sitting at a corner. B is an immediate neighbour of D and C. E is an immediate neighbour of C and F. G is third to the right of D. Three out of the following four options follow a similar rule and form a group. Which of the following does NOT belong to that group?

(a) EB
(b) BH
(c) AF
(d) GC

Answer: (d)

10. Identify the number that does NOT belong to the following series.

34, 63, 94, 131, 172, 225

(a) 94
(b) 63
(c) 172
(d) 225

Answer: (d)

11. J, K, L, M and N are sitting on a bench facing towards north (but not necessarily in the same order). J is immediate neighbour of K. L is immediate neighbour of N. J is not sitting with M who sits on the right end of the bench. J sits to the right of L and N. L sits to the right of N. In which position L is sitting?

(a) Second from the right
(b) Second from the left
(c) Fourth from the left
(d) Third from the left

Answer: (b)

12. Select the option that will replace the question mark (?) in the given series.

49, 53, 61, 73, 89, ?

(a) 108
(b) 109
(c) 107
(d) 111

Answer: (b)

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

YZCD, WXEF, UVGH, STIJ,?

(a) MNKL
(b) QROP
(c) MNOP
(d) QRKL

Answer: (d)

14. In a certain code language, 'Parties are scrumptious' is written as '@ # %', 'Peter loves parties' is written as '% fr kn' and 'Here scrumptious are cakes' is written as '# 6 9 @'. What can be the possible code for 'Here parties' in that code language?

(a) # 9
(b) % #
(c) 6 9
(d) % 9

Answer: (d)

15. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(11, 23, 47)

(a) (17, 35, 69)
(b) (13, 27, 54)
(c) (19, 39, 79)
(d) (23, 46, 93)

Answer: (c)

16.

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



(a)



(b)



(c)



(d)



Answer: (a)

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: All pen are table. All rubber are pen.

Conclusions:
I. All pen are rubber.
II. All table are pen.
III. No rubber is table.

(a) Both conclusions II and III follow.

(b) All conclusions follow.

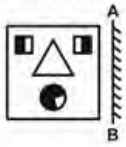
(c) Only conclusion III follows.

(d) Neither conclusion follow.

Answer: (d)

18.

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



(a)



(b)



(c)



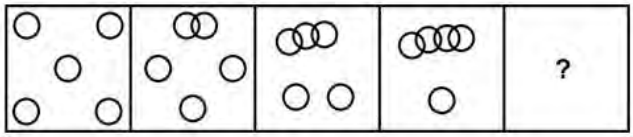
(d)



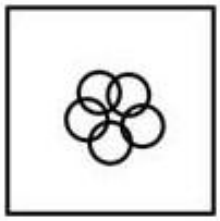
Answer: (a)

19.

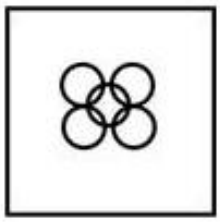
Select the figure from among the given options that can replace the question mark (?) in the following series.



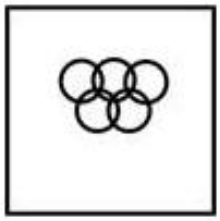
(a)



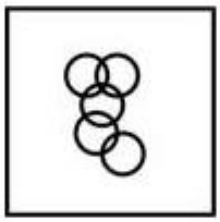
(b)



(c)



(d)



Answer: (a)

20. The prices of seven mobiles M1, M2, M3, M4, M5, M6 and M7 are compared. The price of M7 is more than M5 and less than M4. The price of M1 more than M6 and less than M2. The price of M2 is less than the price of M5. If the price of M4 is less than only one mobile, then which of the following options is correct?

(a) M3 > M4

(b) M6 > M5

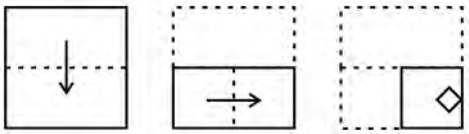
(c) M1 > M5

(d) M7 > M3

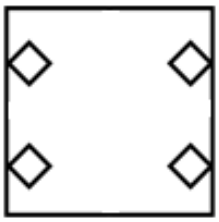
Answer: (a)

21.

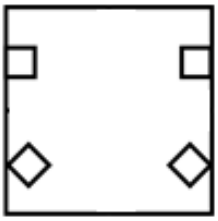
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



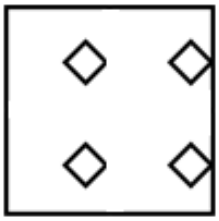
(a)



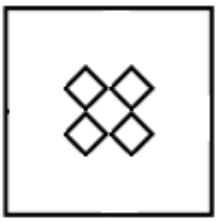
(b)



(c)



(d)



Answer: (a)

22. 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. No L is P. II. No R is L. Conclusions:

I. Some R are not P. II. Some R are not L.

(a) Only conclusion I follows

(b) Neither conclusion I nor II follows

(c) Both conclusions I and II follow

(d) Only conclusion II follows

Answer: (d)

23. In a certain code language, 'DETECT' is written as 'FCVCER' and 'HEIGHT' is written as 'JCKEJR'. How will 'MOTHER' be written in that language?

(a) ONVFGP

(b) OMVFGO

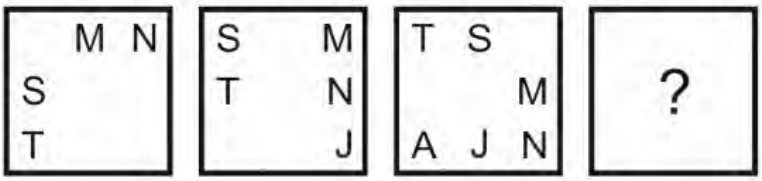
(c) OMVEGP

(d) OMVFGP

Answer: (d)

24.

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



(a)



(b)



(c)



(d)



Answer: (d)

25. In a certain code language, 'TRUMPS' is written as 'VTWORU' and 'GAYTER' is written as 'ICAVGT'. How will 'HEINAP' be written in that code language?

(a) JGKPCR

(b) JGLPCR

(c) JGLQCR

(d) JGKQCR

Answer: (a)

Numerical Aptitude

1.

Z is increased successively by $11\frac{1}{9}$ % and 10% to get R. If R = 165, then what is the value of Z?

(a)

145

(b)

115

(c)

125

(d)

135

Answer: (d)

2.

An car moves through 20 m in 3 minutes and the next 50 km at ... 00 km/h. What is the approximate average speed of the car?

(a)

22.38 m/s

(b)

20 m/s

(c)

25.26 m/s

(d)

26.28 m/s

Answer: (c)

5.

If A1 and A2 are two distinct prime numbers, then what is the highest common factor of A1 and A2?

(a)

3

(b)

1

(c)

5

(d)

2

Answer: (b)

6.

Study the given table and answer the question that follows.

The table shows the population of three cities P, Q and R, as percentages of the total population of these three cities taken together. It also shows the percentage of the population above 60 years of age in each of these cities, and also the ratio of males to females below 60 years of age, in each of these cities. The total population of all the three cities taken together is 3,00,000.

CITY	POPULATION	ABOVE 60	M:F (BELOW 60 YEARS)
P	45%	30%	3 : 7
Q	30%	70%	3 : 1
R	25%	40%	12 : 13

Find the male population of city R that is below 60 years.

(a)

19,800

(b)

24,600

(c)

21,600

(d)

30,000

Answer: (c)

7.

The present ages of Vishal and Shekhar are in the ratio of 14 : 17. Six years from now, their ages will be in the ratio of 17 : 20. What is Shekhar's present age?

(a)

51 years

(b)

34 years

(c)

36 years

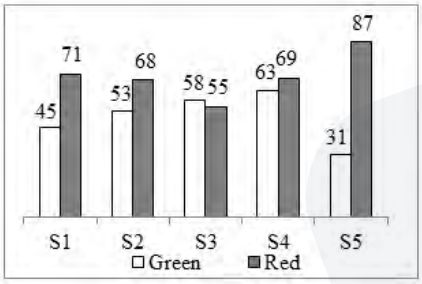
(d)

17 years

Answer: (b)

9.

The following bar chart shows the number of bottles of green and red colours sold by 5 different shops.



What is the ratio of the total number of green bottles sold by the 5 shops taken together to the total number of red bottles sold by the 5 shops taken together?

(a)

3 : 5

(b)

6 : 11

(c)

4 : 7

(d)

5 : 7

Answer: (d)

11.

10 horses can graze a field in 14 days, and 10 sheep take 28 days to graze the same field. How many days will 5 horses and 10 sheep take to graze the same field?

(a)

28

(b)

10

(c)

14

(d)

20

Answer: (c)

12.

The pie-chart shows the distribution of the 5,00,040 employed people of a city according to their occupations in terms of the central angles of the sectors representing people engaged in the different occupations mentioned.



As per the information provided above, how many more peopl[illegible] rvice sector when compared to the number of people who engage themselves in business?

(a)

24,492

(b)

25,684

(c)

25,000

(d)

25,002

Answer: (d)

15.

The cost price of a notebook is ₹120. It is sold at a profit of 40%. What is the nominal profit made on the sale of each notebook?

(a)

₹36

(b)

₹48

(c)

₹24

(d)

₹40

Answer: (b)

16.

The speed of a motor-boat in still water and the speed of the current of water are in the ratio 20 : 4. To go a certain distance along the current the boat takes 4 hours. Find the time taken by the boat to cover the same distance against the current.

(a)

6 hours

(b)

8 hours

(c)

12 hours

(d)

10 hours

Answer: (a)

17.

A man travels for 3 minutes at a speed of 22 km/h. What is the distance travelled by the man?

(a)

2200 metres

(b)

550 metres

(c)

1650 metres

(d)

1100 metres

Answer: (d)

18.

A is 25% less than B. B is 30% more than 120. What is the value of A?

(a)

117

(b)

111

(c)

114

(d)

108

Answer: (a)

20.

Ridhaan took a loan of ₹12,000 at the rate of 8% simple interest per annum. What amount will he have to pay after 6 months, if he decides to repay the entire loan amount with interest at that time?

(a)

₹12,580

(b)

₹12,480

(c)

₹14,690

(d)

₹13,720

Answer: (b)

23.

Three numbers are in the ratio of 1 : 2 : 3. The product of the three numbers is 1296. What is the sum of the three numbers?

(a)

36

(b)

30

(c)

72

(d)

24

Answer: (a)

24.

The average of a certain set of 'b' numbers is 'a', and the average of a certain set of 'a' numbers is 'b'. What is the average of all the numbers taken together?

(a)

$2b \div (a+b)$

(b)

$2ab \div (a+b)$

(c)

$(a+b) \div 2ab$

(d)

$2a \div (a+b)$

Answer: (b)

25.

The area of a square is 1296 cm^2 and the radius of a circle is $\frac{7}{6}$ of the length of a side of the square. What is the ratio of the perimeter of the square and the circumference of the circle? [Use $\pi = \frac{22}{7}$]

(a)

$13 : 11$

(b)

$8 : 11$

(c)

$6 : 11$

(d)

$3 : 7$

Answer: (c)

General Awareness

1. As per Sample Registration System's 2018 report, what percentage of India's population comes under working age?

(a) 74%

(b) 44%

(c) 85%

(d) 66%

Answer: (d)

2. The moon moves around the earth in about _____.

(a) 30 days
(b) 24 days
(c) 27 days
(d) 29 days

Answer: (c)

3. Which lake of India is the result of tectonic activity?

(a) Wular lake
(b) Barapani lake
(c) Dal lake
(d) Loktak lake

Answer: (a)

4. Jhaveri Sisters are famous for which form of classical dance?

(a) Manipuri
(b) Mohiniyattam
(c) Kuchipudi
(d) Odissi

Answer: (a)

5. What is the atomic number of sulphur?

(a) 15
(b) 14
(c) 16
(d) 18

Answer: (c)

6. Article 51 of the Indian Constitution is about _____.

(a) uniform civil code for the citizens
(b) organisation of agriculture and animal husbandry
(c) promotion of international peace and security
(d) separation of judiciary from executive

Answer: (c)

7. Dhamek stupa is one of the most prominent Buddhist structures in India. It is situated in the _____ district of Uttar Pradesh.

(a) Jaunpur
(b) Agra
(c) Varanasi
(d) Mirzapur

Answer: (c)

8. Which chapter of the Constitution of India discusses the articles of Parliament?
   (a) Chapter III
   (b) Chapter I
   (c) Chapter II
   (d) Chapter IV
   Answer: (c)

9. 'Unfinished' is a memoir of the famous Indian actress _____.
   (a) Kangana Ranaut
   (b) Vidya Balan
   (c) Priyanka Chopra Jonas
   (d) Sridevi
   Answer: (c)

10. With respect to value addition in the textile industry, knitting is followed by which procedure?
   (a) Garment manufacture
   (b) Spinning
   (c) Fibre production
   (d) Dyeing and finishing
   Answer: (d)

11. In which state of India is Nuakhai festival celebrate
   (a) Bihar
   (b) Assam
   (c) Odisha
   (d) Tamil Nadu
   Answer: (c)

12. Which scientist first coined the term, Ecosystem/Ecological System?
   (a) Charles Sutherland Elton
   (b) Arthur Tansley
   (c) Eugene Odum
   (d) Frederic Edward Clements
   Answer: (b)

13. According to Article 112 of the Constitution of India, the Union Budget of a year is called _____.
   (a) Fiscal Budget
   (b) Assessment Statement
   (c) Annual Financial Statement
   (d) Annual Budget Statement
   Answer: (c)

14. In which of the following events did India NOT win any medal at the Summer Olympics 2020 (played in 2021)?

(a) Men's hockey
(b) Women's singles badminton
(c) Men's javelin throw
(d) Women's hockey

Answer: (d)

15. Which of the following dynasties ruled over Delhi just after the Sayyid dynasty?

(a) Khalji dynasty
(b) Lodi dynasty
(c) Rajput dynasty
(d) Tughluq dynasty

Answer: (b)

16. Which Indian state government launched a cleanliness drive called Project CLAP?

(a) Uttar Pradesh
(b) Andhra Pradesh
(c) Rajasthan
(d) Madhya Pradesh

Answer: (b)

17. Padma Shri awardee, Gaddam Padmaja Reddy wa ssociated with which classical dance of India?

(a) Kuchipudi
(b) Manipuri
(c) Sattriya
(d) Kathak

Answer: (a)

18. The first English factory was set up on the banks of the river Hugli in _____.

(a) 1645
(b) 1651
(c) 1648
(d) 1640

Answer: (b)

19. Who will be India's Chief G20 Coordinator from May 2022?

(a) Harsh Vardhan Shringla
(b) Rajiv Gauba
(c) Shashi Tharoor
(d) Ajit Doval

Answer: (a)

20. How many number of players are permitted to be substituted in a game of field hockey?
    (a) No limit
    (b) 3
    (c) 10
    (d) 5

    Answer: (a)

22. Which of the following titles was held by Samudragupta, a ruler of the Gupta Dynasty?
    (a) Jahan Panah
    (b) Sahib-e-Qiran
    (c) Kaviraja
    (d) Mahendraitya

    Answer: (c)

23. Who was the founder of Brahmo Samaj in 1828, at Calcutta?
    (a) Swami Dayanand Saraswati
    (b) Ram Singh
    (c) Raja Ram Mohan Roy
    (d) HN Kunzru

    Answer: (c)

24. What is the capital of India's neighbouring countr ghanistan?
    (a) Kandahar
    (b) Kathmandu
    (c) Kabul
    (d) Karachi

    Answer: (c)

25. Pandit Ravi Shankar is associated with _____ musical instrument.
    (a) sitar
    (b) violin
    (c) flute
    (d) guitar

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(d)**	2	**(c)**	5	**(b)**	6	**(c)**	7	**(b)**	9	**(d)**
11	**(c)**	12	**(d)**	15	**(b)**	16	**(a)**	17	**(d)**	18	**(a)**
20	**(b)**	23	**(a)**	24	**(b)**	25	**(c)**				

General Awareness

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