PREVIOUS YEAR PAPER

SSC MTS 2021 — 13 July 2022, Shift 2

SSC MTS & Havaldar · 13 July 2022 · 1:00 PM - 2:30 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 13 July 2022, 1:00 PM - 2:30 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-2021-13-jul-shift-2/

General English

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

One of the baby elephants broke off from the herd and lost its way.

(a) No improvement required
(b) in
(c) down
(d) away

Answer: (d)

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

Sturdy

(a) Delicate
(b) Dragging
(c) Tiny
(d) Drab

Answer: (a)

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

_____ is going to take the responsibility for this failure?

(a) Whom
(b) Who
(c) Which
(d) Whose

Answer: (b)

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

Pleasant

(a) Awful
(b) Delightful
(c) Faithful
(d) Sorrowful

Answer: (b)

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

One who believes in fate

(a) Fatalist
(b) Optimist
(c) Mercenary
(d) Ascetic

Answer: (a)

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

To take with a grain of salt

(a) To take seriously
(b) To have total disbelief
(c) To believe with some scepticism
(d) To accept wholeheartedly

Answer: (c)

7. 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.

We usually sleep in bedrooms with the door firmly shuted behind us.

(a) We usually sleep in
(b) bedrooms with the door
(c) No error
(d) firmly shuted

Answer: (d)

8. 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.

You have to constant consider how your personal behaviour is going to impact everyone around you.

(a) You have to constant consider
(b) No error
(c) to impact everyone around you
(d) how your personal behaviour is going

Answer: (a)

9. Select the option that will improve the bracketed part of the sentence. In case no improvement is needed, select 'No improvement required'.(Neither of the leading political parties have had much) success in the southern region.

(a) No improvement required
(b) Neither of the leading political parties has had much
(c) Neither of the leading political party has had much
(d) Neither of the leading political parties have had any

Answer: (b)

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

The collection and study of postage stamps

(a) Philately
(b) Ornithology
(c) Philosophy
(d) Philanthropy

Answer: (a)

11. Select the INCORRECTLY spelt word.

(a) Barricade
(b) Prosperity
(c) Bouket
(d) Dissatisfied

Answer: (c)

12. Select the option that corrects the misspelt words in the given sentence.

He maintins the unity and fredom of the suol.

(a) He maintains the unity and freedom of the soul.
(b) He maintains the unity and freedomm of the soul.
(c) He maintins the unitty and freedom of the soul.
(d) He maintins the unity and fredom of the soul.

Answer: (a)

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

Make a living

(a) To abuse someone
(b) To make excuses for everything
(c) To earn enough money for things you need
(d) To rely on corrupt money

Answer: (c)

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

A person who sells flowers

(a) Florist
(b) horticulturist
(c) Chauffeur
(d) Invigilator

Answer: (a)

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

Miniature

(a) Teeny
(b) Mammoth
(c) Average
(d) Miniscule

Answer: (b)

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

Most employers _____ the use of mobile phones during office hours.

(a) prohibit
(b) submerge
(c) cultivate
(d) spirit

Answer: (a)

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

A disturbed state of mind caused by an illness.

(a) Delirium
(b) Discrepancy
(c) Dilemma
(d) Depreciation

Answer: (a)

18. 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.

Your infidelity have given me too much pain in life.

(a) given me too
(b) much pain in life
(c) No error
(d) Your infidelity have

Answer: (d)

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

His wise choice of men like Wolfe in Canada and Clive in India, and his vigorous measures in managing foreign affairs, made England respected in every part of the world.

(a) wisely chosen
(b) wisely choice
(c) No substitution required
(d) wise choose

Answer: (c)

20. Select the most appropriate synonym of the unde ed word in the given sentence.

These colours add a vivacious and fairy-like effect ny dress.

(a) repressed
(b) impassive
(c) sparky
(d) gloomy

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.
>
> In Andhra Pradesh, low rainfall and increased (1) _____ on borewells have led to soil aridity, while (2) _____ snow and more rainfall has (3) _____ the desertification crisis in Himachal Pradesh. On the other (4) _____, in Rajasthan, canals, tube-well irrigation and shelterbelts have (5) _____ to an increase in the green cover.

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

(a) growth
(b) support
(c) addiction
(d) dependence

Answer: (d)

22. Select the most appropriate option to fill in blank number 2.
    (a) few
    (b) least
    (c) less
    (d) fewer
    Answer: (c)

23. Select the most appropriate option to fill in blank number 3.
    (a) deepen
    (b) deepened
    (c) deeper
    (d) deep
    Answer: (b)

24. Select the most appropriate option to fill in blank number 4.
    (a) half
    (b) hand
    (c) sides
    (d) case
    Answer: (b)

25. Select the most appropriate option to fill in blank number 5.
    (a) lead
    (b) led
    (c) leading
    (d) leads
    Answer: (b)

General Intelligence and Reasoning

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

3856 : 8563 :: 4893 : ? :: 2873 : 8732
    (a) 8934
    (b) 3948
    (c) 3984
    (d) 8943
    Answer: (a)

2. Six people Ali, Parth, Roy, Minal, Sudhir and Zeeshan are sitting in a straight row facing North. Sudhir and Zeeshan are in the centre. Ali and Parth are at the corners. Roy is sitting to the immediate left of Ali. Who is sitting to the immediate right of Parth ?

(a) Sudhir

(b) Zeeshan

(c) Roy

(d) Minal

Answer: (d)

3. In a certain code language, 'Flames are bright' is written as '@ # %' and 'Bright is sun flames' is written as '* # 7 @'. Which one of the following is the possible code for 'is' in that code language?

(a) %

(b) @

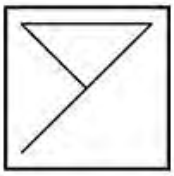
(c) #

(d) *

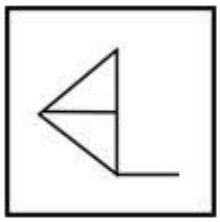
Answer: (d)

4.

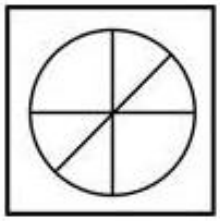
Select the option in which the given figure is embedded (rotation is NOT allowed).



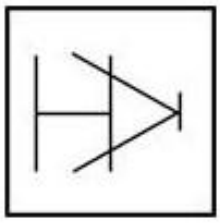
(a)



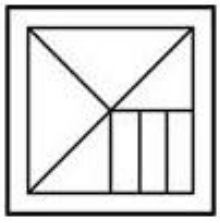
(b)



(c)



(d)



Answer: (d)

5. 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. Some A are B. II. All C are B.

Conclusions:

I. Some B are A's is a possibility.
II. No C is A. III. All A are C.

(a) None of the conclusions follow

(b) Only conclusion I follows

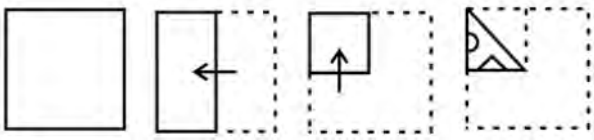
(c) All the conclusions follow

(d) Only conclusion III follows

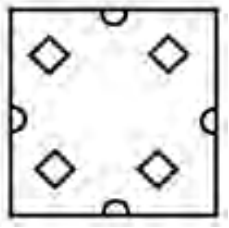
Answer: (b)

6.

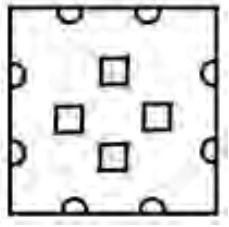
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



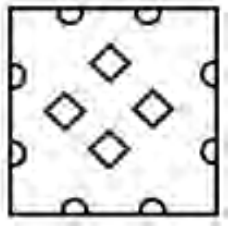
(a)



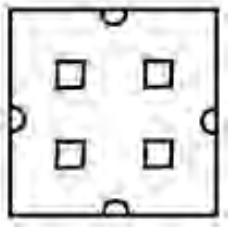
(b)



(c)



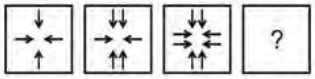
(d)



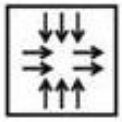
Answer: (c)

7.

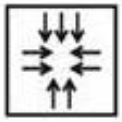
Select the figure from among the given options that can replace the question mark (?) in the following series.



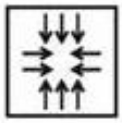
(a)



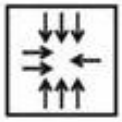
(b)



(c)



(d)



Answer: (c)

8. In a certain code language, 'ri ti gi' is written as 'Asha playing cards', 'si ni gi' is written as 'Asha playing tennis' and 'ri si wi' is written as 'cards tennis'. What is the code for the word 'tennis' in that language?

(a) ni

(b) ri

(c) wi

(d) si

Answer: (d)

9. In a certain code language, 'PIZZA' is written as 'QJAAB' and 'BLACK' is written as 'CMBDL'. How will 'BUZZY' be written in that language?

(a) CVAZZ

(b) CVAAZ

(c) CVABZ

(d) CTAAZ

Answer: (b)

10. Which two signs need to be interchanged to make the following equation correct?

352 × 8 − 330 + 125 ÷ 4 = 214

(a) + and ×

(b) − and ÷

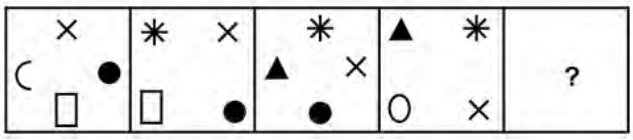
(c) + and ÷

(d) × and ÷

Answer: (d)

11.

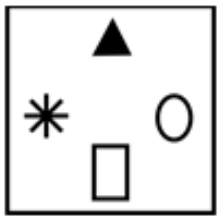
Select the figure from among the given options that can replace the question mark (?) in the following series.



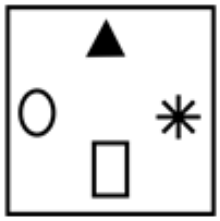
(a)



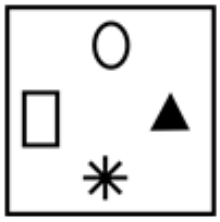
(b)



(c)



(d)



Answer: (c)

12. A, B, C, D, E, F and G give a test. A scores more than B, C and D. G scores more than E and F. F scores more than A. Who scores the highest in the test?

(a) F

(b) A

(c) E

(d) G

Answer: (d)

13. 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.

DGP : WTK :: MOS : ?

(a) NEH

(b) MLH

(c) NLT

(d) NLH

Answer: (d)

14. Select the option in which the numbers are related in the same way as are the numbers of the following sets.

(2, 4, 36) (4, 6, 100)

(a) (8, 4, 1020)

(b) (12, 4, 230)

(c) (4, 4, 64)

(d) (14, 2, 75)

Answer: (c)

15. 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.

1503 : 3004 :: 871 : 1740 :: ? : 142

(a) 98

(b) 110

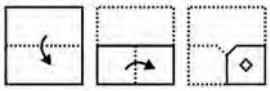
(c) 72

(d) 65

Answer: (c)

16.

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)

17. Nine people Asha, Bishal, Carol, Dinky, Emily, Farah, Golu, Harsh, and Itika are watching a movie in a theatre sitting in a straight row facing North. Bishal is at one end of the row. Harsh is seated adjacent to both Farah and Golu. Carol is to the immediate right of Dinky and in the third place to the right of Emily. Asha is on the immediate left of Farah. Farah is in the third place to the left of Bishal. Who are at the ends of the row?

(a) Bishal and Dinky

(b) Harsh and Itika

(c) Carol and Emily

(d) Emily and Bishal

Answer: (d)

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

6, 9, 7, 10, 8, 11, ?

(a) 12
(b) 9
(c) 11
(d) 10

Answer: (b)

20. 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: No atom is a molecule. No molecule is an element.

Conclusions:
I. It is possible for some atoms to be elements.
II. Some elements are molecules.

(a) Only conclusion I follows
(b) Both conclusions I and II follow
(c) Only conclusion II follows
(d) Neither conclusion I nor II follows

Answer: (a)

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

40 × 10 – 20 + 10 ÷ 2 = ?

(a) 4
(b) 8
(c) 6
(d) 2

Answer: (a)

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.

ROM : SRT :: PNA : ?

(a) QQH
(b) QQI
(c) RQI
(d) QRH

Answer: (a)

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

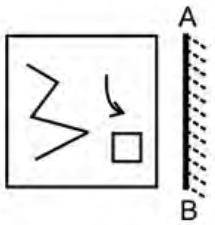
TX, ZD, FJ, LP, ?

(a) RU
(b) SV
(c) SU
(d) RV

Answer: (d)

24.

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



(a)



(b)



(c)



(d)



Answer: (b)

25. In a certain code language, 'POINT' is coded as '11', and 'GRANDST' is coded as '11'. How will 'HEMANT' be coded in that language?

(a) 8

(b) 4

(c) 9

(d) 7

Answer: (d)

Numerical Aptitude

4.

A is 40% less than 60% of 1500. What is the value of A?

(a)

500

(b)

480

(c)

540

(d)

360

Answer: (c)

5.

P = 18 × 9 ÷ 6 + 5 × 15 ÷ 25 and Q = 15 ÷ 5 × 5 – 25 ÷ 5, what is the value of (P÷Q)?

(a)

2.5

(b)

2

(c)

3

(d)

1.5

Answer: (c)

6.

If A, B and C are three distinct prime numbers, then what is the highest common factor of A, B and C?

(a)

7

(b)

0

(c)

5

(d)

1

Answer: (d)

7.

What is the value of p in the following equation?

$64 - [16 + \{23 - (12 + 10)\}] = p$

(a)

47

(b)

49

(c)

81

(d)

3

Answer: (a)

8.

If the mean of two numbers is 12, and the difference between the two numbers is 6, find the two numbers.

(a)

2 and 22

(b)

14 and 10

(c)

15 and 9

(d)

3 and 24

Answer: (c)

9.

The average of T_1 and T_2 is 15. The average of T_3 and T_4 is 35. What is the average of T_1, T_2, T_3 and T_4?

(a)

24

(b)

30

(c)

28

(d)

25

Answer: (d)

10.

Tap A can fill an empty tank in 8 hours if no other tap is open, and tap B can empty the same tank, when filled, in 12 hours, when no other tap is open. Find the time taken to fill the same tank, when empty, if both the taps are opened together.

(a)

12 hours

(b)

16 hours

(c)

24 hours

(d)

36 hours

Answer: (c)

11.

₹2,300 is to be divided among P, Q, R and S in such a way that the ratio of P : Q : R : S is 2 : 6 : 9 : 6, respectively. What is the sum of the shares of P and S?

(a)

₹1,100

(b)

₹1,200

(c)

₹800

(d)

₹230

Answer: (c)

12.

Pia and Ria can complete a project together in 26 days. Pia alone can complete the project in 78 days. They start working together but Pia leaves after 12 days. In how many days can Ria complete the remaining work of the project?

(a)

21 days

(b)

24 days

(c)

25 days

(d)

13 days

Answer: (a)

14.

A room is in the shape of a cuboid of dimensions 4 m, 2 m and 8 m. If a bag of grain occupies a space of 0.50 m^3, then how many such bags can be stored in the room?

(a)

128 bags

(b)

144 bags

(c)

108 bags

(d)

118 bags

Answer: (a)

18.

If 8 : x :: x : 32, find the positive value of x.

(a)

20

(b)

16

(c)

4

(d)

12

Answer: (b)

20.

The length of each side of a square is 16 cm. What is the area of the square?

(a)

112 cm^2

(b)

176 cm^2

(c)

128 cm^2

(d)

256 cm^2

Answer: (d)

21.

A truck is running at a speed of 75 km/h. In 4 hours, how much distance will it cover?

(a)

280 km

(b)

300 km

(c)

240 km

(d)

320 km

Answer: (b)

24.

An alloy contains 30 per cent aluminium. What quantity of alloy will have 300 gm of aluminium?

(a)

0.8 kg

(b)

1 kg

(c)

1.2 kg

(d)

0.6 kg

Answer: (b)

25.

The mean of five numbers is 45. If a sixth number is also included, the mean becomes 48. Find the sixth number.

(a)

73

(b)

63

(c)

43

(d)

53

Answer: (b)

General Awareness

1. In which state of India is the Iravatanesvara temple situated?
   (a) Tamil Nadu
   (b) West Bengal
   (c) Rajasthan
   (d) Telangana
   Answer: (a)

2. Which of the following cities existed in the Indus Valley Civilization?
   (a) Harappa
   (b) Sanchi
   (c) Muziris
   (d) Ayodhya
   Answer: (a)

3. What is the atomic number of Carbon as per Mendeleev's Periodic Table?
   (a) 3
   (b) 6
   (c) 1
   (d) 10
   Answer: (b)

4. The study of human populations including their siz omposition and distribution across space and the process through which populations change alled _____.
   (a) ethnography
   (b) demography
   (c) topography
   (d) stenography
   Answer: (b)

5. Which of the following pairs of folk dance and the state associated with is INCORRECT?
   (a) Giddha - Punjab
   (b) Wancho - Arunachal Pradesh
   (c) Ghumar - Bihar
   (d) Nongkrem - Meghalaya
   Answer: (c)

6. Which of the following rivers rises in the Nepal Himalayas?
   (a) Betwa
   (b) Chenab
   (c) Chambal
   (d) Ghaghara
   Answer: (d)

7. How many different levels of courts are there in India?

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

Answer: (d)

8. Aves are warm-blooded animals and have a _____ heart.

(a) four-chambered
(b) two-chambered
(c) five-chambered
(d) three-chambered

Answer: (a)

9. Ustad Zakir Hussain is a famous Indian _____ player.

(a) Violin
(b) Guitar
(c) Sitar
(d) Table

Answer: (d)

10. Joint sector industry is one of the classifications of industries on the basis of _____.

(a) source of raw material
(b) capital investment
(c) bulk and weight of raw material
(d) Ownership

Answer: (d)

11. As per Census 2011, which of the following metro cities was the most populated in India?

(a) Kolkata
(b) Chennai
(c) Delhi
(d) Mumbai

Answer: (d)

12. Which Indian state government launched Project Sadbhavana in February 2022?

(a) Maharashtra
(b) Assam
(c) Tamil Nadu
(d) Gujarat

Answer: (b)

13. In which year did Tipu Sultan die defending his capital Seringapatam?

(a) 1799
(b) 1802
(c) 1792
(d) 1794

Answer: (a)

14. In the Union Budget of India 2022, what percentage of tax has been levied on transfer of digital assets (cryptocurrency)?

(a) 20 percentage
(b) 5 percentage
(c) 30 percentage
(d) 10 percentage

Answer: (c)

15. Ajit Kumar Doval is the fifth and current _____ to the Prime Minister of India.

(a) Private Secretary
(b) Principal Secretary
(c) National Security Advisor
(d) Additional Secretary

Answer: (c)

16. Which of the following teams won the ICC Wome World Cup 2021/22?

(a) Australia
(b) South Africa
(c) England
(d) India

Answer: (a)

17. Padma Subrahmanyam is known for which classical dance form?

(a) Bharatanatyam
(b) Kathak
(c) Kuchipudi
(d) Mohiniyattam

Answer: (a)

18. Which of the following does NOT fall under Non-Chordates?

(a) Annelida
(b) Porifera
(c) Vertebrata
(d) Mollusca

Answer: (c)

19. Which of the following is one of the key features of the Indian Constitution?

(a) Autocratic government

(b) Dependent Judiciary

(c) Non-secular

(d) Federalism

Answer: (d)

20. _____ was founded by the Dadoba Pandurang and his brother Atmaram Pandurang in 1863 when Keshub Chandra Sen visited Maharashtra, with an aim to make people believe in one God and worship only one God.

(a) Prarthana Samaj

(b) Satyashodhak Samaj

(c) Arya Samaj

(d) Brahmo Samaj

Answer: (a)

21. Which planet in the solar system is considered as Earth's twin?

(a) Mercury

(b) Saturn

(c) Neptune

(d) Venus

Answer: (d)

22. Who among the following Chola rulers built Nish ıbhasudini Goddess temple in Thanjavur?

(a) Aditya I

(b) Vijayalaya

(c) Rajaraja I

(d) Arinjaya

Answer: (b)

23. What is the name of Mahatma Gandhi's autobiography ?

(a) Justice for the Judge

(b) The Story of My Experiments with Truth

(c) The Bandit Queen of India

(d) My Music, My Life

Answer: (b)

24. Who among the following is the first Indian Grandmaster to become Women's Chess World Rapid Champion?

(a) Tania Sachdev

(b) Koneru Humpy

(c) Harika Dronavalli

(d) Bhakti Kulkarni

Answer: (b)

25. The International Sand Art festival is usually held in _____.
    (a) Kerala
    (b) Maharashtra
    (c) Tamil Nadu
    (d) Odisha

    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 English

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

General Intelligence and Reasoning

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

Numerical Aptitude

4	**(c)**	5	**(c)**	6	**(d)**	7	**(a)**	8	**(c)**	9	**(d)**
10	**(c)**	11	**(c)**	12	**(a)**	14	**(a)**	18	**(b)**	20	**(d)**
21	**(b)**	24	**(b)**	25	**(b)**						

General Awareness

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