PREVIOUS YEAR PAPER

SSC MTS 2021 — 25 July 2022, Shift 3

SSC MTS & Havaldar · 25 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 9 (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, 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-2021-25-jul-shift-3/

General English

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

The peanut stove, which is so often seen on the _____, just outside the fruit-shops, makes us think of the familiar street scene at home.

(a) Runway
(b) Building
(c) Market
(d) Footpath

Answer: (d)

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

Yesterday, I _____ to be on a street with a f mor t restaurants.

(a) happened
(b) have happen
(c) am happening
(d) happening

Answer: (a)

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

You better gird up your loins as we are going to meet my family.

(a) To earn more money
(b) To look smart and charming
(c) To prepare oneself for a difficult situation
(d) To ask for someone's help

Answer: (c)

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

Three hours should be _____ to finish the work.

(a) majestic
(b) voluminous
(c) sufficient
(d) grand

Answer: (c)

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

I walked out _____ I wanted to breathe some fresh air.

(a) but
(b) that
(c) because
(d) yet

Answer: (c)

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

He knows how bad I wanted a baby.

(a) how badly
(b) what bad
(c) No improvement required
(d) badly how

Answer: (a)

7. Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.

The thin wire that giving off light is called the filament.

(a) that giving off
(b) the filament
(c) The thin wire
(d) light is called

Answer: (a)

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

Many celebrities encourage young children to aspire for greatness.

(a) daunt
(b) stimulate
(c) undermine
(d) abate

Answer: (b)

9. Select the correctly spelt word.

(a) Livelyhood
(b) Verittable
(c) Purposfully
(d) Penetrate

Answer: (d)

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

Emphatic

(a) Vigorous
(b) Restrained
(c) Hesitant
(d) Moderate

Answer: (a)

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

An unlikely chance or occurrence, especially a piece of good luck

(a) Pauper
(b) Messiah
(c) Fluke
(d) Masquerade

Answer: (c)

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

I want to enrol myself for this management _____.

(a) cause
(b) caws
(c) course
(d) coarse

Answer: (c)

13. 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'.

The range of flavours is determined by where the plant species is grown and how it is processed.

(a) it was processing
(b) it is processing
(c) No substitution required
(d) it was processed

Answer: (c)

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

An eye opener

(a) A tough decision
(b) A shocking revelation
(c) A difficult task
(d) A small opening

Answer: (b)

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

A _____ girl is missing from my Colony.

(a) less
(b) so
(c) little
(d) few

Answer: (c)

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

Obscure

(a) Obvious
(b) Complementary
(c) Moody
(d) Difficult

Answer: (a)

17. Select the correctly spelt word.

(a) Propensity
(b) Constituensy
(c) Demoalish
(d) Patranise

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.

I initially thought of including both the mother and the child, but the woman was reluctant to have their pictures take.

(a) both the mother and the child, but the woman
(b) was reluctant to have their pictures take
(c) I initially thought of including
(d) No error

Answer: (b)

19. 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.

We needing to kept / a close eye on / the rising prices of fuel.

(a) We needing to kept
(b) the rising prices of fuel
(c) No error
(d) a close eye on

Answer: (a)

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

Farmers are urged to _____ to good agricultural practices in the disposal and spreading of agricultural wastes such as slurry.

(a) Adhere
(b) Disturb
(c) Gather
(d) Worship

Answer: (a)

Passage — for questions 21–25

> In the following passage, some words have been dele . Read the passage carefully and select the most appropriate option to fill in each blank.
>
> In order to fall asleep (1) _____ night, strive to turn ll electronic devices at least 30 minutes (2) _____ getting into bed. Allow your eyes to ke a break from the (3) _____ of a lit screen. Read a book, write in a journal, or write (4) _____ r to-do list for the (5) _____ day.

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

(a) in
(b) into
(c) at
(d) to

Answer: (c)

22. Select the most appropriate option to fill in blank number 2.

(a) former
(b) before
(c) previous
(d) latter

Answer: (b)

23. Select the most appropriate option to fill in blank number 3.
    (a) stimulation
    (b) spark
    (c) energy
    (d) illustration
    Answer: (b)

24. Select the most appropriate option to fill in blank number 4.
    (a) on
    (b) down
    (c) of
    (d) onto
    Answer: (b)

25. Select the most appropriate option to fill in blank number 5.
    (a) present
    (b) previous
    (c) following
    (d) preceding
    Answer: (c)

General Intelligence and Reasoning

1. Which two signs should be interchanged to make the following equation correct?

6 ÷ 24 + 6 × 7 − 5 = 29
    (a) ÷ and ×
    (b) ÷ and +
    (c) ÷ and −
    (d) × and +
    Answer: (b)

2. 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.

Statement I: All brothers are sisters. Statement II: All sisters are wives and all wives are sons.

Conclusion I: All brothers are sons. Conclusion II: Some sons are wives.
    (a) Neither conclusion I nor II follows.
    (b) Both conclusions I and II follows.
    (c) Only conclusion II follows.
    (d) Only conclusion I follows.
    Answer: (b)

3. In a certain code language, 'CRICKET' is written as 'FULFNHW', 'STYLE' is written as 'VWBOH' and 'RISE' is written as 'ULVH'. What is the code for the word 'GO' in that code language?

(a) IQ
(b) IR
(c) JR
(d) DL

Answer: (c)

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.

TON : YTS :: LAR : ?

(a) REW
(b) RFW
(c) QEW
(d) QFW

Answer: (d)

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

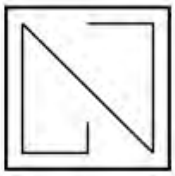
31, 41, 55, 73, 95, ?

(a) 121
(b) 111
(c) 123
(d) 143

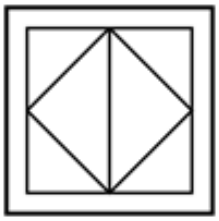
Answer: (a)

6.

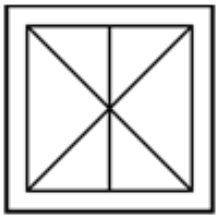
Select the option in which the given figure is embedded (rotation is NOT allowed).



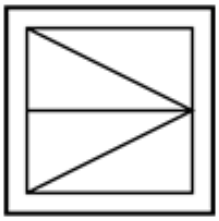
(a)



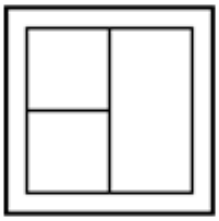
(b)



(c)



(d)



Answer: (b)

7. Among five friends, Puneet, Qazir, Raman, Suresh and Tinku, Tinku is shorter than only one friend. Raman is the tallest among all the friends. Qazir is taller than only one person. Only two persons are shorter than Puneet. Who is the shortest among all the friends?

(a) Puneet

(b) Suresh

(c) Tinku

(d) Qazir

Answer: (b)

8. 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 X is C.II. Some A are C.

Conclusions: I. Some C are not X.
II. Some A are X is a possibility.
III. All C are A.

(a) Only conclusions I and II follow

(b) All the conclusions follow

(c) Only conclusions II and III follow

(d) Only conclusion III follows

Answer: (a)

9.

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



(a)



(b)



(c)



(d)



Answer: (a)

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

16 : 49 :: 18 : 55 :: 36 : ?

(a) 119
(b) 109
(c) 107
(d) 113

Answer: (b)

11. In a certain code language, 'HORNS' is written as 'SLIMH', and 'PIRTA' is written as 'KRIGZ'. How will 'SONG' be written in that language?

(a) HLNT
(b) HLOS
(c) HMLS
(d) HLMT

Answer: (d)

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

GRAM, EPYK, CNWI, ?

(a) AMVH
(b) AMUG
(c) ALUG
(d) ALVG

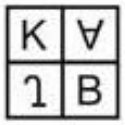
Answer: (c)

13.

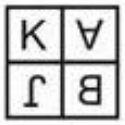
Select the figure from among the given options that can replace the question mark (?) in the following series.



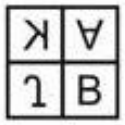
(a)



(b)



(c)



(d)



Answer: (a)

14. Six friends, Himan, Bablu, Manoj, Erica, Pawan and Chaman, are sitting in two rows facing each other, with three friends in each row. Himan and Chaman are in the same row but are not neighbours. Bablu sits exactly opposite to Erica. Bablu sits to the immediate left of Himan facing south. Pawan sits exactly opposite to Chaman.Who sits exactly opposite to Himan?

(a) Erica

(b) Chaman

(c) Bablu

(d) Manoj

Answer: (d)

15. By interchanging the given two signs, which of the following equations will NOT be correct?

+ and ×

I. 180 – 32 + 3 × 148 ÷ 37 = 88

II. 204 ÷ 17 × 23 + 5 – 97 = 50

(a) Both I and II

(b) Only I

(c) Neither I nor II

(d) Only II

Answer: (d)

16. In a certain code language, 'ISHTY' is written as '15789', 'PLEM' is written as '2304' and 'QPT' is written as '628' . Which word will be coded as '63781' in that code language?

(a) QTLSP

(b) PETYL

(c) QLHTI

(d) THLPS

Answer: (c)

17. Five girls A, B, C, Z and U are sitting in a row, facing towards the south (but not necessarily in the same order). No one is sitting to the right of A. Three girls are sitting to the left of U. B is second to the left of C. Who is sitting second to the left of U?

(a) U

(b) Z

(c) A

(d) B

Answer: (b)

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

17, 25, 52, 116, 241, ?

(a) 457

(b) 467

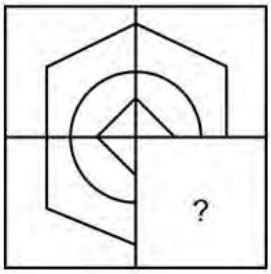
(c) 461

(d) 447

Answer: (a)

19.

Select the figure from the options that can replace the question mark (?) and complete the given pattern.



(a)



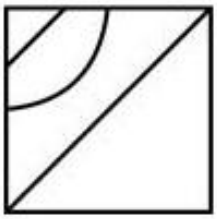
(b)



(c)



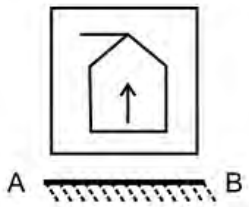
(d)



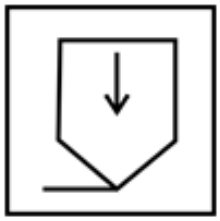
Answer: (c)

20.

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



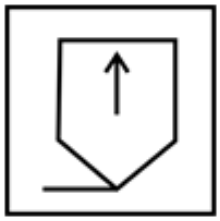
(a)



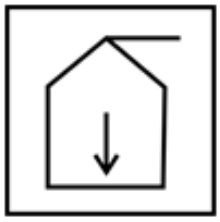
(b)



(c)



(d)



Answer: (a)

21.

Select the figure from the options that can replace the question mark (?) and complete the pattern. (Rotation is not allowed)



(a)



(b)



(c)



(d)



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.

POND : WMLK :: RAMP : ?

(a) KZNI

(b) KMZI

(c) KNZI

(d) IZNK

Answer: (c)

23. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(68, 46, 22) (242, 160, 82)

(a) (108, 75, 33)

(b) (38, 12, 18)

(c) (176, 55, 148)

(d) (88, 24, 48)

Answer: (a)

24. In a certain code language, 'GBTMS' is written as 'HNGYT' and 'PONDEK' is written as 'PVWMLK'. How will 'VIGOUR' be written in that code language?

(a) IELTRF

(b) ILFTRE

(c) IFLTRE

(d) ILETRF

Answer: (c)

25. 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.

Snake : Reptile :: Frog : Amphibian :: Orchid : ?

(a) Petals

(b) Animal

(c) Stem

(d) Flower

Answer: (d)

Numerical Aptitude

2.

When a watch is sold at $\frac{7}{8}$th of the marked price, there is a profit of 25%. At what percentage more than the cost price has the marked price of the watch been fixed? [Give your answer correct to 2 decimal places.]

(a)

34.46%

(b)

42.86%

(c)

37.15%

(d)

30%

Answer: (b)

3.

The average of a set of 15 consecutive even numbers is 64. What is the difference between the largest and the smallest numbers belonging to this set?

(a)

26

(b)

27

(c)

25

(d)

28

Answer: (d)

4.

Aman goes from A to B at a speed of 40 km/h. Using the same route, he comes back from B to A, at a speed of 55 km/h. What is his approximate average speed for the whole journey?

(a)

47.5 km/h

(b)

48.11 km/h

(c)

46.32 km/h

(d)

46.24 km/h

Answer: (c)

5.

A, B and C can do a piece of work in 10, 20 and 30 days, respectively. In how many days can A do the work if he is assisted by B and C on every third day?

(a)

9 days

(b)

$8\frac{5}{11}$ days

(c)

$8\frac{2}{11}$ days

(d)

$6\frac{5}{11}$ days

Answer: (c)

6.

The perimeter of a rectangle is 40 cm. If its breadth is 8 cm, then what is the difference between the length and breadth of this rectangle?

(a)

3 cm

(b)

4 cm

(c)

5 cm

(d)

6 cm

Answer: (b)

7.

What is the value of $\dfrac{\left[\left(\frac{5}{7} \text{ of } \frac{1}{12}\times\frac{1}{4}-\frac{1}{2}\times\frac{1}{8}\right)+\frac{5}{4}\times\frac{8}{15}-\frac{2}{3}\right]}{\frac{1}{2}\div\frac{1}{4}+\frac{1}{2}}$?

(a)

$\frac{-5}{108}$

(b)

$\frac{-4}{103}$

(c)

$\frac{-4}{105}$

(d)

$\frac{-2}{105}$

Answer: (d)

9.

A 750 metres long train crosses a stationary pole in 15 sec. Travelling at the same speed, this train crosses a bridge completely in 25 sec. What is the length of this bridge?

(a)

1000 m

(b)

750 m

(c)

1250 m

(d)

500 m

Answer: (d)

11.

If Chetan's present income is ₹40,000 and it increases by 1% annually, then what will be his income 2 years from now?

(a)

₹50,800

(b)

₹58,000

(c)

₹40,804

(d)

₹44,854

Answer: (c)

12.

$A = 7 \times 21 \div 49 - 8 \times 7 \div 16$ and $B = 12 \div 6 - 3 \times 2 + 5 \times 3$. What is the value of $(A \times B)$

(a)

-7

(b)

-4.5

(c)

-6

(d)

-5.5

Answer: (d)

13.

Aman gave 30% of his monthly income to his father and of the remaining income he gave 30% to his daughter and 25% to his wife. Aman invested the amount of money still remaining from his monthly income equally in three schemes. If he invested ₹42,000 in each scheme, what is Aman's monthly income (in ₹ thousand)?

(a)

300

(b)

400

(c)

200

(d)

500

Answer: (b)

14.

The following table shows the number of bottles of 6 different colours sold by a shop in a month.

Colour	Bottles
C1	46
C2	34
C3	50
C4	42
C5	28
C6	40

The total number of bottles of C4 and C5 sold in that month is approxima what percentage of the total number of bottles of all the 6 colours taken together sold in that month?

(a)

21.33%

(b)

24.13%

(c)

29.17%

(d)

32.66%

Answer: (c)

16.

The lengths of the diagonals of a rhombus are 48 cm and 20 cm. What is the perimeter of the rhombus?

(a)

200 cm

(b)

120 cm

(c)

100 cm

(d)

104 cm

Answer: (d)

18.

The product of two positive numbers is 240. If the ratio of the two numbers is 3 : 5, then what is the sum of the two numbers?

(a)

46

(b)

45

(c)

32

(d)

42

Answer: (c)

19. six bells commence tolling together at 7:59 am. They toll at intervals of 3,6,9,12 and 15 seconds respectively. How many time will they toll together till 8:16 am? (excluding the toll at 7:59 am)

(a)

5

(b)

6

(c)

3

(d)

4

Answer: (b)

20.

A person sold a carpet for ₹360 and incurred a loss of 10%. At what price should it have been sold to make a gain of 20%?

(a)
₹400

(b)
₹390

(c)
₹480

(d)
₹420

Answer: (c)

21.

40 people were employed who could together make 60 toys in 8 hours, but 8 people left just before work was to begin. How many toys could then be made in 12 hours?

(a)
70

(b)
52

(c)
60

(d)
72

Answer: (d)

22.

What is the simple interest on ₹2,000 for 4 years at the rate of 10% per annum?

(a)
₹500

(b)
₹800

(c)
₹600

(d)
₹1,000

Answer: (b)

23.

A helmet is sold for ₹1,650 at a profit of 10%. If the selling price is ₹2,100, then what will be the profit percentage?

(a)
30%
(b)
25%
(c)
40%
(d)
60%

Answer: (c)

General Awareness

1. Who was the Governor-General of India when the permanent settlement was introduced in 1793?

(a) Warren Hastings
(b) Charles Cornwallis
(c) Thomas Munro
(d) Robert Clive

Answer: (b)

2. Which of the following is/are example(s) of cold-b ded animals?

I. Turtles
II. Snakes

(a) Both I and II
(b) Neither I nor II
(c) Only I
(d) Only II

Answer: (a)

3. The Mahakali Caves are a group of 19 rock cut monuments located in _____.

(a) Maharashtra
(b) Madhya Pradesh
(c) Tamil Nadu
(d) West Bengal

Answer: (a)

5. In which year did Mahatma Gandhi lead a successful mill workers strike in Ahmedabad?

(a) 1917
(b) 1918
(c) 1916
(d) 1919

Answer: (b)

6. How many states and union territories of India did the Census 2011 cover?
   (a) 40
   (b) 45
   (c) 28
   (d) 35
   Answer: (d)

7. Which of the following rights is NOT a fundamental right under the Indian Constitution?
   (a) Right to Equality
   (b) Right Against Exploitation
   (c) Right to Freedom
   (d) Right to Property
   Answer: (d)

9. 'Maach' is the traditional theatre form of which Indian state?
   (a) Madhya Pradesh
   (b) Karnataka
   (c) Nagaland
   (d) Assam
   Answer: (a)

10. Tsomgo Lake is a glacial lake located in which of the following states?
   (a) Meghalaya
   (b) Punjab
   (c) Sikkim
   (d) Gujarat
   Answer: (c)

11. What chemical element does 'N' stand for in the periodic table?
   (a) Neptunium
   (b) Nitrogen
   (c) Neon
   (d) Neodymium
   Answer: (b)

12. Which of the following commissions is mentioned in the Indian Constitution?
   (a) Union Public Service Commission
   (b) National Commission for Women
   (c) Competition Commission of India
   (d) National Human Rights Commission
   Answer: (a)

13. With which of the following musical instruments was Pandit Ravi Shankar primarily associated?

(a) Flute
(b) Guitar
(c) Tabla
(d) Sitar

Answer: (d)

14. The longest National Highway is NH44, which runs from Jammu and Kashmir to _____.

(a) Telangana
(b) Andhra Pradesh
(c) Tamil Nadu
(d) Karnataka

Answer: (c)

15. Who among the following was voted the ICC player of the Month for February 2022 in Men's category?

(a) Vriitya Arvind
(b) Shreyas Iyer
(c) Dipendra Singh Airee
(d) Virat Kohli

Answer: (b)

16. Which of the following Indian festivals is celebrat to pay reverence to Lord Jagannath?

(a) Ratha Yatra
(b) Thrissur Pooram
(c) Hemis
(d) Losar

Answer: (a)

17. Vempati Chinna Satyam was known for which classical dance form?

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

Answer: (a)

18. _____ is the difference between the government's total expenditure and its total receipts, excluding borrowings.

(a) Credit flow
(b) Fiscal deficit
(c) Debt burden
(d) Market equilibrium

Answer: (b)

19. Who among the following founded the city of Tughlaqabad?

(a) Ala-ud-din Khilji
(b) Ghiyas ud-din Tughluq
(c) Firoz Shah Tughlaq
(d) Muhammad bin Tughluq

Answer: (b)

20. Which cricket player won the Man of the Series Award for T20I series on Sri Lanka tour of India, 2022?

(a) Rishabh Pant
(b) Avesh Khan
(c) Shreyas Iyer
(d) Mohammad Siraj

Answer: (c)

21. Who among the following won the BBC Indian Sportswoman of the Year Award 2021?

(a) Lovlina Borgohain
(b) Mirabai Chanu
(c) Aditi Ashok
(d) PV Sindhu

Answer: (b)

22. Banabhatta was the court poet of _____.

(a) Harshavardhana
(b) Ashoka
(c) Kumaragupta
(d) Bindusara

Answer: (a)

23. Which of the following are the two island neighbours of India?

(a) Sri Lanka and Maldives
(b) Philippines and Sri Lanka
(c) Taiwan and Singapore
(d) New Zealand and Maldives

Answer: (a)

24. When the bread rises and bakes, _____creates thousands of bubbles in the dough.

(a) phosphorus
(b) nitrogen
(c) oxygen
(d) carbon dioxide

Answer: (d)

25. The _____ was presented by Nirmala Sitharaman on 1 February 2022, proposing various changes in the provisions of Income Tax Act, 1961 (the Act).

(a) Appropriation Bill

(b) Finance Bill

(c) Mediation Bill

(d) Indian Antarctic Bill

Answer: (b)

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

General Intelligence and Reasoning

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

Numerical Aptitude

2	**(b)**	3	**(d)**	4	**(c)**	5	**(c)**	6	**(b)**	7	**(d)**	9	**(d)**	11	**(c)**				
12	**(d)**	13	**(b)**	14	**(c)**	16	**(d)**	18	**(c)**	19	**(b)**	20	**(c)**	21	**(d)**				
22	**(b)**	23	**(c)**																

General Awareness

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