PREVIOUS YEAR PAPER

SSC CGL 2019 Tier I — 5 March 2020, Shift 1

SSC CGL · 5 March 2020 · 10:00 AM - 11:00 AM

79 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 21 (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).

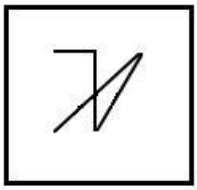
Questions from the Staff Selection Commission's paper of 5 March 2020, 10:00 AM - 11:00 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-cgl/previous-year-papers/ssc-cgl-2019-tier-1-5-mar-shift-1/

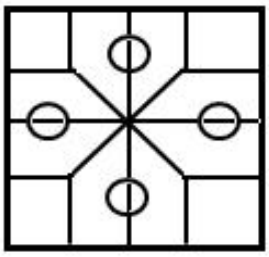
General Intelligence and Reasoning

6.

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



(a)



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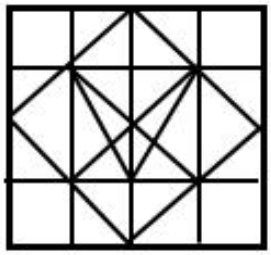
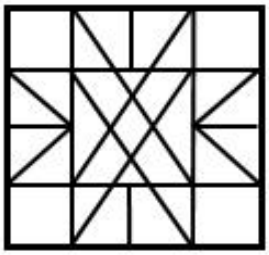
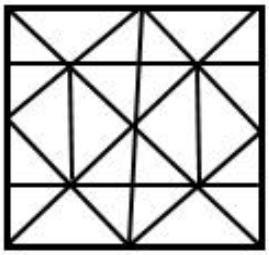


(c)



(d)



Answer: (b)

7.

Select the letter-cluster that can replace the question mark (?) in the following series.

aYd, fTi, kOn, pJs, ?

(a)

uEw

(b)

uFw

(c)

uEx

(d)

VeX

Answer: (c)

9.

Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

qv56jk89lm

(a)

(b)

(c)

(d)

Answer: (a)

10.

In a certain code language, U is written as C, K is written as H, L is written as U, N is written as E, S is written as L, E is written as K, and C is written as N. How will 'KNUCKLES' be written as in that language?

(a)

HECNHUKL

(b)

HECNHULK

(c)

KECNKUHL

(d)

CHUECKN

Answer: (a)

11.

If each letter of the English alphabet is assigned an odd numerical value in increasing order, such as A = 1, B = 3 and so on, then what will be the code of HONEY?

(a)

152927947

(b)

132725745

(c)

152927949

(d)

132725747

Answer: (c)

12.

Shaan has a total of ₹5,500 with him. He buys product 'Z' at ₹5,000 from this sum and then sells it to another person, thus making a profit of 15% on it. With all the money he has now, he buys product 'X' and then sells it to another person making a profit of 25% on it. What is the total money Shaan has now?

(a)

₹7,187.50

(b)

₹7,812.50

(c)

₹6,325.50

(d)

₹7,815.50

Answer: (b)

13.

Study the given pattern carefully and select the number that can replace the question mark (?) in it.

10	4	14	35
15	3	5	25
14	7	6	12
18	?	8	16

(a)

8

(b)

6

(c)

7

(d)

9

Answer: (d)

15.

चार शब्द दिए गए हैं, जिनमें से तीन किसी न किसी तरह समान हैं और एक असमान है। उस असमान शब्द का चयन करें।

(a)

दरिद्रता

(b)

समृद्धि

(c)

अभाव

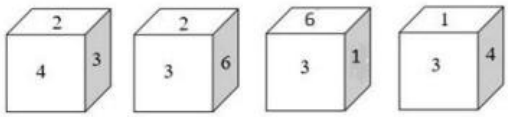
(d)

कंगाली

Answer: (b)

16.

Four positions of the same dice are shown. Select the number that will be on the face opposite to the one showing '3'.



(a)

6

(b)

2

(c)

4

(d)

5

Answer: (d)

17.

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.

72 : 108 :: 84 : ? :: 102 : 153

(a)

126

(b)

117

(c)

144

(d)

135

Answer: (a)

18.

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

(a)

121-145

(b)

289-325

(c)

225-241

(d)

169-197

Answer: (c)

19.

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

(13, 65, 117)

(a)

(17, 85, 163)

(b)

(12, 55, 109)

(c)

(14, 70, 127)

(d)

(15, 75, 135)

Answer: (d)

20.

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

40, 37, 43, 34, 46, ?

(a)

51

(b)

41

(c)

31

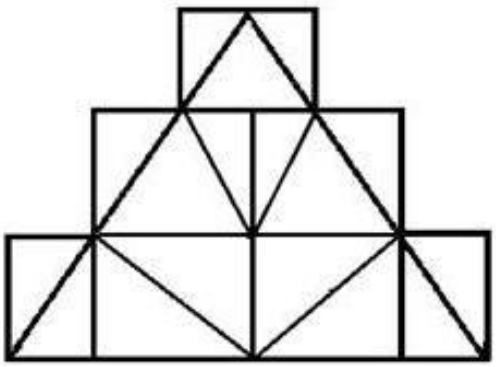
(d)

61

Answer: (c)

21.

How many triangles are present in the given figure?



(a)
23

(b)
21

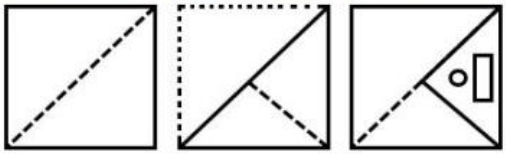
(c)
22

(d)
20

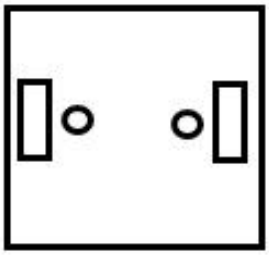
Answer: (a)

22.

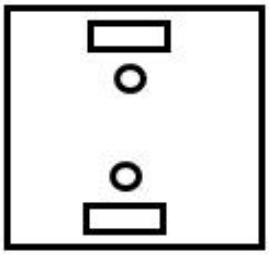
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



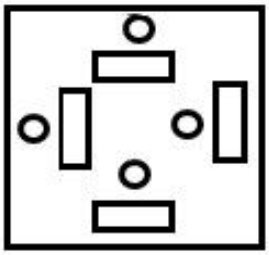
(a)



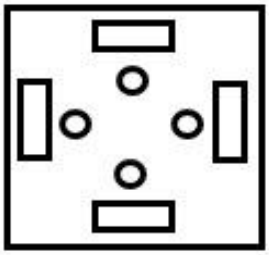
(b)



(c)



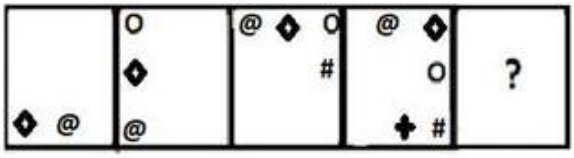
(d)



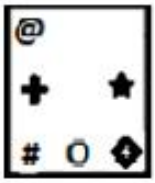
Answer: (d)

24.

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

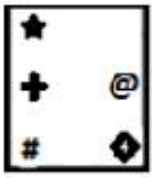


(a)

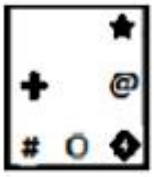


(b)

(c)



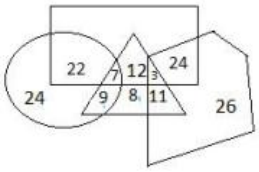
(d)



Answer: (b)

25.

In the given Venn diagram, the triangle represents students playing table tennis, the rectangle represents students playing badminton, the circle represents female students, and the pentagon represents students playing football. The numbers given in the diagram represent the number of persons in that particular category.



How many female students play both table tennis and badminton?

(a)
7
(b)
9
(c)
22
(d)
18

Answer: (a)

General Awareness

1. Which National Park among the following is the la st protected area in the Eastern Himalayan sub-region?

(a) Jim Corbett National Park
(b) Namdapha National Park
(c) Keibul Lamjao National Park
(d) Bandipur National Park

Answer: (b)

2. In terms of area, which state has the largest forest cover in India?

(a) Madhya Pradesh
(b) Kerala
(c) Maharashtra
(d) Odisha

Answer: (a)

3. Name the law in Physics which states that equal volume of all gases under the same conditions of temperature and pressure contain equal number of molecules.

(a) Ohm’s Law
(b) Charles's Law
(c) Avogadro’s Law
(d) Boyles's Law

Answer: (c)

4. Jasprit Bumrah has been selected to receive which of the following awards for his performance in international cricket in the 2018-19 season?

(a) C.K. Nayudu

(b) Polly Umrigar

(c) M.A. Chidambaram

(d) Madhavrao Scindia

Answer: (b)

5. Which dynasty built the pancha rathas of Mahabalipuram?

(a) Chera

(b) Chola

(c) Pallava

(d) Satavahana

Answer: (c)

6. What was the theme of the 107th Indian Science Congress held in Bengaluru?

(a) Future India : Science and Technology

(b) Reaching the Unreached through Science and Technology

(c) Science and Technology for National Development

(d) Science and Technology: Rural Development

Answer: (d)

7. VISHWAS, which is a major e-governance initiative launched by the government in January 2020, is the acronym for which of the following?

(a) Video Integration and State Wide Advanced Security System

(b) Video Interface and State Wide Advanced Security

(c) Video Integration and System Wide Advanced Security

(d) Video Integration and State Wide Advanced Security

Answer: (d)

8. Which of the following rivers flows through Tiruttani a famous pilgrimage place of South India?

(a) Vaigai

(b) Kaveri

(c) Nandi

(d) Palar

Answer: (c)

9. In which year was the Nahargarh Fort in Jaipur built by Maharaja Sawai Jai Singh II ?

(a) 1805

(b) 1734

(c) 1780

(d) 1800

Answer: (b)

10. The 23rd National Youth Festival (NYF) 2020 was celebrated in Lucknow to commemorate the birth anniversary of _____.

(a) Jawaharlal Nehru

(b) Sardar Vallabhbhai Patel

(c) Swami Vivekananda

(d) Mahatma Gandhi

Answer: (c)

11. Chiropody is a branch of science related to which part of the body?

(a) Kidney

(b) Feet

(c) Lungs

(d) Liver

Answer: (b)

12. As per the government rules, how much percentage of advance tax needs to be paid by 15th June by an individual who is liable to pay advance tax?

(a) 10%

(b) 30%

(c) 25%

(d) 15%

Answer: (d)

13. In which year was the Currency Building in the F Bagh or Dalhousie area of Kolkata constructed?

(a) 1833

(b) 1910

(c) 1850

(d) 1900

Answer: (a)

14. In which of the following locations was the Quit India Movement launched by Mahatma Gandhi in 1942?

(a) Jallianwala Bagh

(b) Pragati Maidan

(c) August Kranti Maidan

(d) Shivaji Park

Answer: (c)

15. Pongal festival is celebrated for four days in Tamil Nadu. What is the fourth day of Pongal called?

(a) Mattu Pongal

(b) Thai Pongal

(c) Bhogi Pongal

(d) Kaanum Pongal

Answer: (d)

16. What is the colour of the light emitted by the Sun?
    (a) Red
    (b) Orange
    (c) Yellow
    (d) White
    Answer: (d)

17. G. Babita Rayudu took charge as an Executive Director for which of the following organisations in January 2020?
    (a) The Securities and Exchange Board of India
    (b) Insurance Regulatory and Development Authority of India
    (c) Small Industries Development Bank of India
    (d) Bombay Stock Exchange
    Answer: (a)

18. The Indian Railways has integrated its helpline numbers into a single number. What is the number?
    (a) 139
    (b) 160
    (c) 145
    (d) 150
    Answer: (a)

19. Which is the first Indian company to hit the ₹10 lakh crore mark in market capitalisation?
    (a) Tata Consultancy Services
    (b) HDFC Bank
    (c) Reliance Industries
    (d) ICICI Bank
    Answer: (c)

20. The police of which state was honoured with the President's Colours award in December 2019?
    (a) Kerala
    (b) Maharashtra
    (c) Gujarat
    (d) Tamil Nadu
    Answer: (c)

21. The famous 11-day long 'Dhanu Jatra', considered as the largest open-air theatre of the world is celebrated in which state?
    (a) Assam
    (b) Meghalaya
    (c) Manipur
    (d) Odisha
    Answer: (d)

22. Which district has been awarded the Plastic Waste Management Award -2020 for being the best district of India in the plastic waste management category during Swachhta Hi Seva 2019?

(a) Jorhat

(b) Majuli

(c) Hojai

(d) Dibrugarh

Answer: (d)

23. Ishwar Sharma has been honoured with the Global Child Prodigy Award 2020. What is this award associated with?

(a) Sports

(b) Yoga

(c) Science

(d) Literature

Answer: (b)

24. In January 2020, B. Sai Deepak set a Guinness World Record for most side lunges in 60 seconds. How many lunges did he do?

(a) 40

(b) 30

(c) 50

(d) 59

Answer: (d)

25. The researchers of which academic institution employed the nanoscale phenomenon called 'Electrokinetic streaming potential' to harvest energy from flowing water on a small scale like water flowing through household water taps?

(a) IIT Guwahati

(b) IIT Madras

(c) IIT Bombay

(d) IIT Delhi

Answer: (a)

Quantitative Aptitude

6.

If $P = \frac{x^3+y^3}{(x-y)^2+3xy}$, $Q = \frac{(x+y)^2-3xy}{x^3-y^3}$ and $R = \frac{(x+y)^2+(x-y)^2}{x^2-y^2}$, then what is the value of $(P \div Q) \times R$?

(a)

$2xy$

(b)

$2(x^2+y^2)$

(c)

x^2+y^2

(d)

$4xy$

Answer: (b)

7.

The compound interest on a certain sum at $16\frac{2}{3}\%$ p.a. for 3 years is ₹6,350. What will be the simple interest on the same sum at the same rate for $5\frac{2}{3}$ years?

(a)

₹10,200

(b)

₹7,620

(c)

₹11,400

(d)

₹9,600

Answer: (a)

9.

The given table represents the exports (in ₹crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

Item → / Year ↓	A	B	C	D
2010	240	128	180	214
2011	250	134	244	282
2012	225	138	230	247
2013	370	169	340	224
2014	425	182	300	309
2015	400	209	306	275

The total exports of item A from 2012 to 2014 is what percentage less than the total exports of all the four items in 2015? (Correct to one decimal place)

(a)

15.2%

(b)

13.8%

(c)

16.7%

(d)

14.3%

Answer: (d)

11.

The diagonal of a square A is $(a+b)$ units. What is the area [illegible] square [illegible]) of the square drawn on the diagonal of square B whose area is twice the area of A?

(a)

$4(a+b)^2$

(b)

$(a+b)^2$

(c)

$8(a+b)^2$

(d)

$2(a+b)^2$

Answer: (d)

12.

The given table represents the exports (in ₹crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

Item → / Year ↓	A	B	C	D
2010	240	128	180	214
2011	250	134	244	282
2012	225	138	230	247
2013	370	169	340	224
2014	425	182	300	309
2015	400	209	306	275

The total exports of item D in 2010, 2012 and 2014 is what percentage of the total exports of all the four items in 2011 and 2012?

(a)

44%

(b)

44.8%

(c)

45%

(d)

46.2%

Answer: (a)

13.

A shopkeeper bought 80 kg of rice at a discount of 10%. Besides 1 kg rice was offered free to him on the purchase of every 20 kg rice. If he sells the rice at the marked price, his profit percentage will be:

(a)

$15\frac{3}{7}\%$

(b)

$16\frac{2}{3}\%$

(c)

$14\frac{2}{7}\%$

(d)

$15\frac{1}{3}\%$

Answer: (b)

15.

The given table represents the exports (in ₹crores) of four items A, B, C and D over a period of six years. Study the table and answer the question that follows.

Item → / Year ↓	A	B	C	D
2010	240	128	180	214
2011	250	134	244	282
2012	225	138	230	247
2013	370	169	340	224
2014	425	182	300	309
2015	400	209	306	275

In which year, the exports of item D were 1.4 times the average exports of item B during six years?

(a)

2013

(b)

2012

(c)

2014

(d)

2011

Answer: (a)

16.

If $5\sin\theta = 4$, then the value of $\frac{\sec\theta + 4}{\cos\theta}$ is:

(a)

2

(b)

$\frac{5}{4}$

(c)

$\frac{3}{2}$

(d)

1

Answer: (a)

17.

In an examination in which the full marks were 500, A scored 25% more marks than B, B scored 60% more marks than C and C scored 20% less marks than D. If A scored 80% marks, then the percentage of marks obtained by D is:

(a)

65%

(b)

60%

(c)

50%

(d)

54%

Answer: (c)

18.

Two chords AB and CD of a circle with centre O intersect each other at P. If $\angle APC = 95°$ and $\angle AOD = 110°$, then $\angle BOC$ is:

(a)

65°

(b)

70°

(c)

55°

(d)

60°

Answer: (d)

22.

Sudha sold an article to Renu for ₹576 at a loss of 20%. Renu spent a sum of ₹224 on its transportation and sold it to Raghu at a price which would have given Sudha a profit of 24%. The percentage of gain for Renu is:

(a)

13.2%

(b)

11.6%

(c)

10.5%

(d)

12.9%

Answer: (b)

24.

If the nine-digit number $708x6y8z9$ is divisible by 99, then what is the value of $x + y + z$?

(a)
27

(b)
5

(c)
16

(d)
9

Answer: (c)

English Comprehension

1. Select the correct indirect form of the given sentence. "What a good idea!", Seema remarked.

(a) Seema said what a good idea it is.

(b) Seema exclaimed that it was a very good idea.

(c) Seema told what an idea!

(d) Seema exclaimed that the idea is good.

Answer: (b)

2. In the sentence identify the segment which contai the grammatical error. Modern man is completely engross in the mad pursuit of material p sures and luxuries.

(a) completely engross

(b) material pleasures and luxuries

(c) mad pursuit of

(d) Modern man is

Answer: (a)

3. Select the most appropriate meaning of the given idiom A bed of roses

(a) An easy and happy situation

(b) A difficult path

(c) A pleasant perfume

(d) A valley full of flowers

Answer: (a)

4. Select the most appropriate word to fill in the blank. I like both tea and coffee but prefer the _____.

(a) later

(b) latter

(c) least

(d) last

Answer: (b)

5. Select the most appropriate meaning of the given idiom A close-fisted person
   (a) A kind person
   (b) A strong person
   (c) A cruel person
   (d) A miserly person

   Answer: (d)

6. Select the correct passive form of the given sentence. They offered me a chair
   (a) A chair is offered to me by them.
   (b) A chair was being offered to me.
   (c) I was offered a chair by them.
   (d) I offered a chair to them.

   Answer: (c)

Passage — for questions 7–11

> In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
>
> A (1)_____ of trucks carrying soldiers was coming down the mountain road. The trucks (2) _____ slowly as there had been heavy snowfall in that area . Suddenly, with a (3) _____ a huge tree on the hill side fell bringing along with it boulders and mud. (4) _____, the driver of first truck stopped in time. The soldiers got down and started (5) _____ the road.

7. Select the most appropriate option for blank no. 1
   (a) bevy
   (b) flock
   (c) convoy
   (d) crew

   Answer: (c)

8. Select the most appropriate option for blank no. 2
   (a) was moving
   (b) has moved
   (c) were moving
   (d) are moving

   Answer: (c)

9. Select the most appropriate option for blank no. 3
   (a) splash
   (b) scream
   (c) crash
   (d) buzz

   Answer: (c)

10. Select the most appropriate option for blank no. 4
    (a) Logically
    (b) Magically
    (c) Similarly
    (d) Fortunately

    Answer: (d)

11. Select the most appropriate option for blank no. 5
    (a) altering
    (b) moving
    (c) clearing
    (d) changing

    Answer: (c)

12. Select synonym of the given word. EXPENSIVE
    (a) Mild
    (b) Sober
    (c) Dear
    (d) Gentle

    Answer: (c)

13. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Aesop was one of them who lived in Greece about 2500 years ago.
B. He told many interesting stories to the people.
C. There were many talented people in ancient Greece.
D. Although he was ugly, he had a very clever brain.
    (a) CADB
    (b) CDBA
    (c) BADC
    (d) BDAC

    Answer: (a)

14. Select antonym of the given word. DEXTERITY
    (a) Agility
    (b) Ignorance
    (c) Mastery
    (d) Skill

    Answer: (b)

15. Select the word which means the same as the group of words given. Incapable of paying debts

(a) Extravagant

(b) Obsolete

(c) Insolvent

(d) Corrupt

Answer: (c)

16. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. He is a gifted volleyball player.
B. But now a days he does not play international matches.
C. It is because he had an accident last year.
D. Sanjay is my best friend.

(a) DCAB

(b) ABCD

(c) CDBA

(d) DABC

Answer: (d)

17. Select the wrongly spelt word.

(a) Cremator

(b) Cricketer

(c) Cracker

(d) Creater

Answer: (d)

18. In the sentence identify the segment which contains the grammatical error. My brother, who live in Delhi, has written me a letter.

(a) has written

(b) who live in Delhi

(c) me a letter

(d) My brother

Answer: (b)

19. Select the most appropriate word to substitute the underlined word of the given sentence. If no substitution is required, select 'No improvement'.

The diver <u>dive in the pool</u> from a great height.

(a) dives to a pool

(b) dived into the pool

(c) dived at the pool

(d) No improvement

Answer: (b)

20. Select synonym of the given word. RETAIN
    (a) Gain
    (b) Convey
    (c) Destroy
    (d) Maintain

    Answer: (d)

21. Select one word for the following group of words. One who loves his country
    (a) Collaborator
    (b) Traitor
    (c) Conspirator
    (d) Patriot

    Answer: (d)

22. Select the most appropriate segment to substitute the underlined segment of the given sentence. If no substitution is required, select 'No substitution'.

Hardly had he <u>sit on the chair than</u> it broke.
    (a) sat on the chair when
    (b) sit in the chair when
    (c) sat onto a chair then
    (d) No substitution

    Answer: (a)

23. Select antonym of the given word. DIVI
    (a) Engulf
    (b) Split
    (c) Unite
    (d) Break

    Answer: (c)

24. Select the wrongly spelt word.
    (a) Choir
    (b) Champion
    (c) Chouffer
    (d) Charisma

    Answer: (c)

25. Select the most appropriate word to fill in the blank. He tried to _____ my ring.
    (a) stile
    (b) steel
    (c) steal
    (d) still

    Answer: (c)

Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

General Intelligence and Reasoning

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

General Awareness

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

Quantitative Aptitude

6	**(b)**	7	**(a)**	9	**(d)**	11	**(d)**	12	**(a)**	13	**(b)**	15	**(a)**	16	**(a)**
17	**(c)**	18	**(d)**	22	**(b)**	24	**(c)**								

English Comprehension

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