PREVIOUS YEAR PAPER

SSC CGL 2018 Tier I — 13 June 2019, Shift 1

SSC CGL · 13 June 2019 · 10:00 AM - 11:00 AM

94 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: 6 (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 June 2019, 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-2018-tier-1-13-jun-shift-1/

General Intelligence and Reasoning

1.

Select the missing number from the given options.

18	28	50
17	13	11
26	27	?

(a) 61

(b) 30

(c) 29

(d) 36

Answer: (d)

2.

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

1 : 2 : : 5 : ?

(a)

120

(b)

129

(c)

128

(d)

130

Answer: (d)

3.

In a code language, ROUTINE is written as 181521209145. How will VEHICLE be written as in that language?

(a)

215893125

(b)

225893125

(c)

225893115

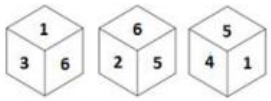
(d)

225793125

Answer: (b)

4.

Three different positions of the same dice are shown. Which number will be on the face opposite to the one having 4?



(a)

1

(b)

3

(c)

6

(d)

2

Answer: (c)

5.

Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

(a)
MOQSU

(b)
PRTWY

(c)
CEGIK

(d)
UWYAC

Answer: (b)

6.

Which number will replace the question mark (?) in the following series?

116, 128, 146, 170, 200, ?

(a)
232

(b)
236

(c)
264

(d)
260

Answer: (b)

7.

The current age of Savan is four times the age of Akshan. 10 years from now, Savan's age will be twice the age of Akshan. What is Savan's current age?

(a)
30 years

(b)
20 years

(c)
10 years

(d)
5 years

Answer: (b)

8.

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

(a)
Humorous

(b)
Comical

(c)
Hilarious

(d)
Gagster

Answer: (d)

9.

'Pencil' is related to 'Stationery' in the same way as 'Pilates' is related to '_____'.

(a)
Pulses

(b)
Spices

(c)
Dry fruits

(d)
Exercise

Answer: (d)

10.

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

(a)

(b)

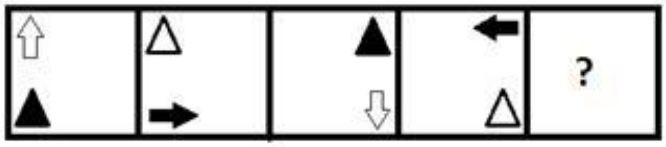
(c)

(d)

Answer: (d)

11.

Select the figure that will come next in the following figure series.



(a)

(b)

(c)

(d)

Answer: (d)

12.

Select the missing number from the given options

7	11	14
8	12	9
113	265	?

(a)
277

(b)
625

(c)
361

(d)
281

Answer: (a)

13.

Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All fields are farm-houses.
Some fields are gardens.

Conclusions:
I. Some farm-houses are fields.
II. Some gardens are fields.
III. Some farm-houses are gardens.

(a)
All the conclusions, I, II and III, follow

(b)
Either conclusion I or III follows.

(c)
Only conclusions I and II follow.

(d)
Only conclusions I and III follow.

Answer: (a)

14.

Arrange the following words in a logical and meaningful order.

1. Accident
2. Ambulance
3. Rash Driving
4. Injury
5. Hospital
6. Treatment

(a)

3, 1, 2, 4, 5, 6

(b)

3, 4, 1, 2, 5, 6

(c)

3, 1, 4, 2, 5, 6

(d)

3, 1, 4, 2, 6, 5

Answer: (c)

15.

Select the word-pair in which the two words are related in the same way as are wo words in the following word-pair·

Resistance : Ohm

(a) Time : Clock

(b) Temperature : Thermometer

(c) Pressure : Barometer

(d) Length : Metre

Answer: (d)

16.

In a code language, ASTRONOMY is written as SARTPONYM. How will FENUGREEK be written as in that language?

(a)

UNEFGKEER

(b)

EFUNHKEER

(c)

EFUNFERKE

(d)

EFUNHERKE

Answer: (d)

17.

'A + B' means 'A is the daughter of B'.
'A – B' means 'A is the brother of B'.
'A × B' means 'A is the mother of B'.
'A ÷ B' means 'A is the son of B'.

If U + C × Q – P ÷ R ÷ S – T, then how is S related to U?

(a)
Maternal grandfather

(b)
Paternal grandfather

(c)
Mother

(d)
Paternal grandmother

Answer: (b)

18.

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

40 + 10 ÷ 2 × 8 – 17 = 17

(a)
÷ and –

(b)
× and +

(c)
+ and –

(d)
÷ and ×

Answer: (c)

19.

Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest.

(a)

$7 : 46$

(b)

$9 : 80$

(c)

$6 : 35$

(d)

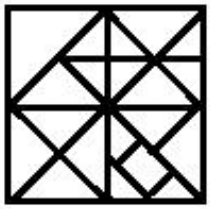
$4 : 15$

Answer: (a)

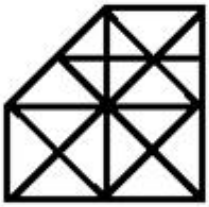
20.

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

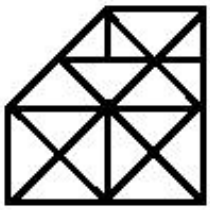
(a)



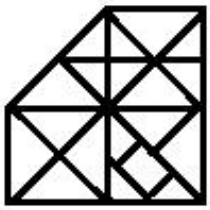
(b)



(c)



(d)



Answer: (b)

21.

Which letter will replace the question mark (?) in the following series?

R, C, T, E, V, ?, X, I

(a)
Y

(b)
W

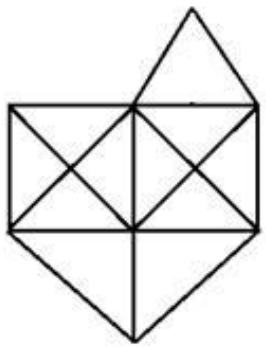
(c)
G

(d)
F

Answer: (c)

22.

How many triangles are there in the following figure?



(a)
26

(b)
22

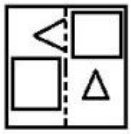
(c)
25

(d)
24

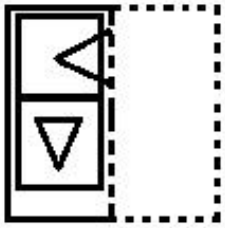
Answer: (d)

23.

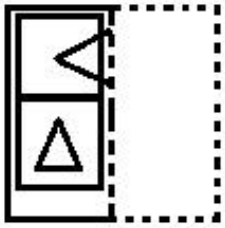
Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.



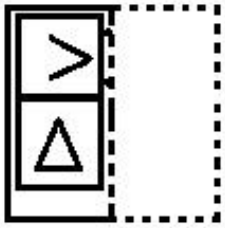
(a)



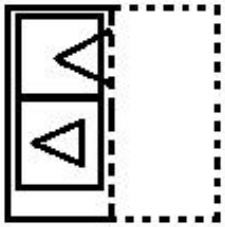
(b)



(c)



(d)



Answer: (b)

24.

Which letter-cluster will replace the question mark (?) in the following series?

PSV, UXA, ZCF, EHK, ?

(a)
JMO

(b)
IMP

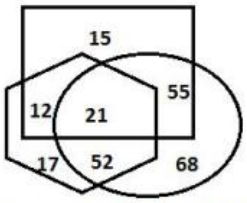
(c)
JMP

(d)
JNP

Answer: (c)

25.

In the given Venn diagram, the hexagon represents 'farmers', the circle represents 'beneficiaries' and the square represents 'land-owners'. The numbers given in the diagram represent the number of persons in that particular category.



How many farmers are both land-owners and beneficiaries?

(a)
21

(b)
55

(c)
12

(d)
52

Answer: (a)

General Awareness

1. Which player has the record of scoring the most runs in the history of ICC World Cup?

(a) Sachin Tendulkar

(b) Brian Lara

(c) Imran Khan

(d) Don Bradman

Answer: (a)

2. When was the 'Battle of Tukaroi' fought?
   (a) 1532
   (b) 1565
   (c) 1575
   (d) 1546
   Answer: (c)

3. What is the unit of measure of a magnetic field?
   (a) Cobalt
   (b) Ohm
   (c) Tesla
   (d) Ampere
   Answer: (c)

4. What is the economic impact of increase in productivity of firms?
   (a) Decrease in Gross Domestic Product
   (b) No change in Gross Domestic Product
   (c) The impact may vary among nations and their economic conditions
   (d) Increase in Gross Domestic Product
   Answer: (d)

6. What is the other name for 'Orion' Constellation?
   (a) Piper
   (b) Fighter
   (c) Predator
   (d) Hunter
   Answer: (d)

7. The process of change from liquid to gas is called _____.
   (a) Precipitation
   (b) Vaporisation
   (c) Decantation
   (d) Condensation
   Answer: (b)

8. The Special Olympics 2019 were held in ____.
   (a) Barcelona
   (b) Qatar
   (c) Abu Dhabi
   (d) Istanbul
   Answer: (c)

9. In which of the following states is the 'Lusei' dialect spoken?
   (a) Mizoram
   (b) Goa
   (c) Manipur
   (d) Kerala
   Answer: (a)

10. In Parliament, who takes the final decision on whether a Bill is a Money Bill or not?
   (a) Vice President
   (b) Speaker
   (c) Finance Minister
   (d) Prime Minister
   Answer: (b)

11. Rehuke khim' or 'cowrie shawl' are traditional textiles of _____.
   (a) Assam
   (b) Jharkhand
   (c) Odisha
   (d) Nagaland
   Answer: (d)

12. In the context of Indian parliament what is 'Zero Hour'?
   (a) Time immediately after Question Hour
   (b) Time in the last half of the parliamentary proceeding
   (c) Time before Question Hour
   (d) Time in the first half of the parliamentary proceeding
   Answer: (a)

13. Which of the following is called the 'Grand Canyon of India'?
   (a) Gangani Grand Canyon
   (b) Laitlum Canyon
   (c) Chambal River Canyon
   (d) Great Canyon of Gandikota
   Answer: (d)

14. When was the 'Battle of Kanauj' fought?
   (a) 1540
   (b) 1524
   (c) 1556
   (d) 1536
   Answer: (a)

15. Which documentary based on Indian society won an Academy Award in 2019?
    (a) End Game
    (b) Lifeboat
    (c) Period. End of Sentence
    (d) Black Sheep
    Answer: (c)

16. What would happen to the demand curve when there is an increase in the price of substitute products?
    (a) Outward shift
    (b) Remains constant
    (c) Initially inward and then after a period outward shift
    (d) Inward shift
    Answer: (a)

17. The easternmost point of India is _____.
    (a) Kibithu
    (b) Wokha
    (c) Mokokchung
    (d) Doulchara
    Answer: (a)

18. Identify the element that is most prolific in the crust of the earth.
    (a) Iron
    (b) Silicon
    (c) Oxygen
    (d) Hydrogen
    Answer: (c)

19. The Sahyadri Mountains run from _____ to Kanyakumari, the southernmost part of India.
    (a) Uttar Pradesh
    (b) Madhya Pradesh
    (c) Gujarat
    (d) Rajasthan
    Answer: (c)

20. The Aligarh Movement was started by _____.
    (a) Dr Maghfoor Ahmad Ajazi
    (b) Muhammad Ali Jinnah
    (c) Maulana Manzoor Ahsan
    (d) Syed Ahmed Khan
    Answer: (d)

21. The phrase 'Bend your back' is used in which sport?
    (a) Hockey
    (b) Football
    (c) Volleyball
    (d) Cricket

    Answer: (d)

22. Which of the following Indians was one of the founders of Dartington Hall School in Japan?
    (a) Subhash Chandra Bose
    (b) Dadabhai Naoroji
    (c) Swami Vivekananda
    (d) Rabindranath Tagore

    Answer: (d)

23. Where is the National War Memorial of India located?
    (a) Andaman
    (b) Rajkot
    (c) New Delhi
    (d) Kochi

    Answer: (c)

24. Surendranath Banerjee and Ananda Mohan Bose founded _____ in Bengal in 1876.
    (a) Bengal Association
    (b) Indian Association
    (c) Tathagat Association
    (d) Oriental Association

    Answer: (b)

25. Which one of the following is the largest recognised constellation?
    (a) Hydra
    (b) Dorado
    (c) Antila
    (d) Crux

    Answer: (a)

Quantitative Aptitude

1.

An article is sold for ₹288 after successive discounts of 20% and 25%. What is the marked price of the article?

(a)

₹520

(b)

₹480

(c)

₹460

(d)

₹500

Answer: (b)

2.

If $(a-b)=4$ and $ab=2$, then (a^3-b^3) is equal to:

(a)

92

(b)

88

(c)

84

(d)

80

Answer: (b)

3.

In a circle of radius 17 cm, a chord is at a distance of 15 cm from the centre of the circle. What is the length of the chord?

(a)

15 cm

(b)

12 cm

(c)

8 cm

(d)

16 cm

Answer: (d)

4.

If $a : b = 5 : 7$, then $(5a - 3b) : (4a - 2b)$ is equal to:

(a)
$2 : 3$

(b)
$5 : 4$

(c)
$4 : 3$

(d)
$3 : 2$

Answer: (a)

5.

The value of
$\sin^2 42° + \sin^2 48° + \tan^2 60° - \text{cosec} 30°$ is equal to:

(a)
5

(b)
3

(c)
4

(d)
2

Answer: (d)

6.

$21.6 \div 3.6 \times 2 + 0.25 \times 16 \div 4 - 6$ is equal to:

(a)
6

(b)
5

(c)
8

(d)
7

Answer: (d)

7.

If $\sin 3\theta = \cos(20^\circ - \theta)$, then θ is equal to:

(a)

25

(b)

35

(c)

28

(d)

30

Answer: (b)

8.

The efficiencies of A, B, and C are in the ratio 2 : 5 : 3.Working together, they can complete a task in 12 days. In how many days can A alone complete 30% of that task?

(a)

15

(b)

16

(c)

20

(d)

18

Answer: (d)

9.

The price of petrol is increased by 28%. A person wants to increase his expenditure by 22% only. By approximately what percent should he decrease his consumption?

(a)

5.3%

(b)

4.7%

(c)

4.9%

(d)

5.1%

Answer: (b)

10.

In a class of 50 students, 60% are boys. The average of marks of the boys is 62, and that of the girls is 68. What is the average marks of the whole class?

(a)

64.8

(b)

64.4

(c)

65.2

(d)

64.6

Answer: (b)

12.

$\Delta ABC \sim \Delta EDF$ and $ar(\Delta ABC) : ar(\Delta DEF) = 1 : 4$. If AB = 7cm, BC = 8 cm and CA = 9 cm, then DF is equal to:

(a)

8 cm

(b)

16 cm

(c)

18 cm

(d)

14 cm

Answer: (b)

13.

Six cubes, each of edge 2 cm, are joined end to end. What is the total surface area of the resulting cuboid in cm^2?

(a)

96

(b)

144

(c)

104

(d)

128

Answer: (c)

14.

The difference between the compound interest and simple interest on ₹x at 11% per annum for 2 years is ₹60.50. What is the value of x?

(a)

4800

(b)

4000

(c)

5000

(d)

4500

Answer: (c)

15.

Two articles are sold for ₹4,752 each. On one, the seller gains 32% and on the other he loses 28%. What is his overall gain or loss percentage, correct to one decimal place?

(a)

7.3% gain

(b)

7.3% loss

(c)

6.8% loss

(d)

6.8% gain

Answer: (c)

16.

If $3\sin\theta = 2\cos\theta$, then $\frac{4\sin\theta - \cos\theta}{4\cos\theta + \sin\theta}$ is equal to:

(a)

$\frac{5}{7}$

(b)

$\frac{5}{8}$

(c)

$\frac{5}{14}$

(d)

$\frac{5}{11}$

Answer: (c)

17.

If $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{5}$, then $x^2 + \frac{1}{x^2}$ is equal to:

(a)
45

(b)
49

(c)
47

(d)
51

Answer: (c)

19.

In ΔABC, P is a point on BC such that BP : PC = 4 : 5 and Q is the mid point of BP. Then ar(Δ ABQ) : ar(ΔABC) is equal to:

(a)
1 : 3

(b)
1 : 9

(c)
2 : 9

(d)
2 : 5

Answer: (c)

20.

In a circle with centre O, an arcABC subtends an angle of 136°at the centre of the circle. The chord AB is produced to a point P. Then ∠CBP is equal to:

(a)
72°

(b)
44°

(c)
68°

(d)
66°

Answer: (c)

21.

If $a + b + c = 8$ and $ab + bc + ca = 20$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

(a)
30

(b)
24

(c)
32

(d)
36

Answer: (c)

23.

Walking $\frac{5}{7}$ of his usual speed, a person reaches his office 10 minutes later than the usual time. His usual time in minutes is:

(a)
28

(b)
30

(c)
25

(d)
35

Answer: (c)

24.

What is the value of x so that the seven digit number $55350x2$ is divisible by 72?

(a)
1

(b)
8

(c)
7

(d)
3

Answer: (c)

English Comprehension

1. Select the correct active form of the given sentence. He was given a book for his birthday.
   (a) She has gave him a book for his birthday.
   (b) She give a book to him for his birthday.
   (c) She gave him a book for his birthday.
   (d) She will be giving him a book for his birthday.

   Answer: (c)

2. In the sentence identify the segment which contains the grammatical error. The cost of fruits and vegetables have risen abnormally this month.
   (a) abnormally
   (b) The cost of
   (c) have risen
   (d) this month.

   Answer: (c)

3. Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

Meera <u>has a friend who parents live</u> in Dubai.
   (a) has a friend which parents live
   (b) have a friend whom parents live
   (c) has a friend whose parents live
   (d) No improvement.

   Answer: (c)

4. Select the word which means the same as the group of words given. Too unimportant to consider
   (a) trivial
   (b) noticeable
   (c) nothing
   (d) dimunitive

   Answer: (a)

5. Given below are four jumbled sentences. Select the option that gives their correct order.
A. Its value is linked to what it is being used for.
B. Such questions often baffle you.
C. How emotional should one get about money and its value?
D. Money on its own has no value, until you have some use for it.
   (a) CABD
   (b) DBAC
   (c) CBDA
   (d) ACDB

   Answer: (c)

7. Select the most appropriate option to fill in the blank. It is hard to conceive of a more_____ route than the one that this determined traveller chose to follow.

(a) stimulating
(b) dashing
(c) daunting
(d) provoking

Answer: (c)

8. Select the correct passive form of the given sentence. The artist played the violin.

(a) The violin had been played by the artist.
(b) The violin will be played by the artist.
(c) The violin is being played by the artist.
(d) The violin was played by the artist.

Answer: (d)

9. Select the word which means the same as the group of words given. That which can be drawn into a thin wire

(a) ductile
(b) smooth
(c) flexible
(d) brittle

Answer: (a)

10. Given below are four jumbled sentences. Select the option that gives their correct order.
A. Only natural dyes are used in Kalamkari and it involves several steps.
B. There are two distinctive styles of Kalamkari in India.
C. They are the Sri Kalahasti style and the Machlipatnam style.
D. Kalamkari is a type of hand-painted or block-printed cotton textile, produced in the Indian States of Andhra Pradesh and Telangana.

(a) CBDA
(b) DABC
(c) ACBD
(d) DCBA

Answer: (b)

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

(a) benefit
(b) clearance
(c) accessory
(d) barrier

Answer: (d)

12. Select the correctly spelt word.
    (a) fourtyeth
    (b) fortieth
    (c) fortyth
    (d) fourtieth

    Answer: (b)

13. Select the correctly spelt word.
    (a) taelant
    (b) centiment
    (c) serenity
    (d) cleaver

    Answer: (c)

14. In the sentence identify the segment which contains the grammatical error. Cows are amongst the gentlest of animals; none shows more passionate tenderness towards their young.
    (a) none shows more
    (b) towards their young
    (c) the gentlest of animals
    (d) Cows are amongst

    Answer: (a)

15. Select the most appropriate option to fill in the bl[illegible]. Charlie Chaplin's rise to fame paralleled the _____ growth of Hollywood movies in the first d[illegible]ades of the century.
    (a) sluggish
    (b) explosive
    (c) progressing
    (d) delayed

    Answer: (b)

16. Select the most appropriate synonym of the given word . ENDEAVOUR
    (a) success
    (b) result
    (c) achievement
    (d) attempt

    Answer: (d)

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

The idea of making a children's park has <u>been nipped in the bud</u> by the local council.
    (a) encouraged strongly
    (b) changed completely
    (c) dropped at an early stage
    (d) included somewhere else

    Answer: (c)

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

We now have an ex-Minister in the running from our constituency for the post of Member of Parliament.

(a) contesting the seat
(b) teaching yoga
(c) giving speeches
(d) jogging everyday

Answer: (a)

19. Select the most appropriate antonym of the given word. WEAKNESS

(a) illness
(b) strength
(c) bravery
(d) disability

Answer: (b)

20. Select the most appropriate antonym of the given word. TYRANT

(a) patron
(b) benefactor
(c) champion
(d) rival

Answer: (b)

Passage — for questions 21–25

> In the following passage some words have be[illegible]ted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
>
> M. Ananda Kumar, scientist, Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains : they are seed (1)_____ . Forests without (2)_____ have been observed to not have young (3)_____ at all. This is because (4)_____ species disperse seeds only through elephants." The animals are phenomenal at (5)_____ themselves to new ecological conditions and negotiating a problem.

21. Select the most appropriate option to fill in blank No.(1)

(a) collectors
(b) makers
(c) eaters
(d) dispersers

Answer: (d)

22. Select the most appropriate option to fill in blank No.(2)

(a) engineers
(b) elephants
(c) conservation
(d) seeds

Answer: (b)

23. Select the most appropriate option to fill in blank No.(3)
    (a) saplings
    (b) species
    (c) seeds
    (d) elephants
    Answer: (a)

24. Select the most appropriate option to fill in blank No.(4)
    (a) all
    (b) certain
    (c) no
    (d) every
    Answer: (b)

25. Select the most appropriate option to fill in blank No.(5)
    (a) explaining
    (b) adapting
    (c) expanding
    (d) structuring
    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 Intelligence and Reasoning

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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