PREVIOUS YEAR PAPER

SSC CGL 2019 Tier I — 9 March 2020, Shift 1

SSC CGL · 9 March 2020 · 10:00 AM - 11:00 AM

78 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: 22 (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 9 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-1-9-mar-shift-1/

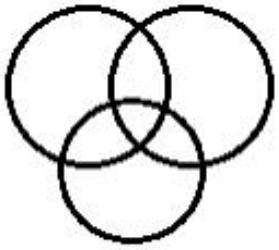
General Intelligence and Reasoning

1.

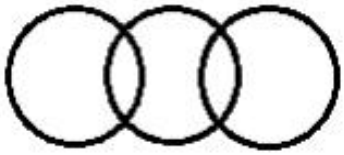
Which of the following Venn diagrams best represents the relationship between the classes?

Tables, Wooden objects, Chairs

(a)



(b)



(c)

(d)

Answer: (b)

2.

Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

(a)
RSTU

(b)
TVXZ

(c)
ADGJ

(d)
JNQS

Answer: (d)

3.

If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition' and 'D' stands for 'division', then what is the value of the following expression?

32 B 4 A 12 B (35 A 24) C 52 D 4

(a)
39

(b)
19

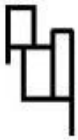
(c)
9

(d)
47

Answer: (c)

5.

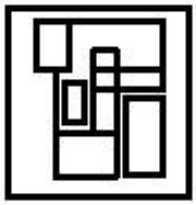
Select the option in which the given figure is embedded (rotation is not allowed).



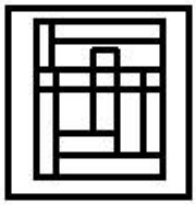
(a)

(b)

(c)



(d)



Answer: (a)

9.

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

(88, 60, 37)

(a)

(36, 70, 38)

(b)

(43, 49, 27)

(c)

(56, 38, 28)

(d)

(94, 42, 34)

Answer: (d)

10.

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 from the rest.

(a)

53 : 378

(b)

37 : 266

(c)

45 : 322

(d)

43 : 318

Answer: (d)

11.

In a certain code language, 'POUND' is coded as '106' and 'CLEAN' is coded as '41'. How will 'MAKER' be coded as in that language?

(a)

112

(b)

50

(c)

78

(d)

54

Answer: (d)

14.

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

DJQC, ELTG, FNWK, GPZO, ?

(a)
HRCS

(b)
GRDS

(c)
HQCT

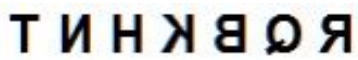
(d)
HRBU

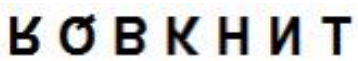
Answer: (a)

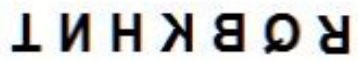
15.

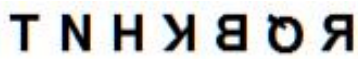
Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on the right side of the cluster.

R Q B K H N T

(a)


(b)


(c)


(d)


Answer: (a)

17.

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

11	12	18
4	5	6
57	19	?

(a)

69

(b)

205

(c)

55

(d)

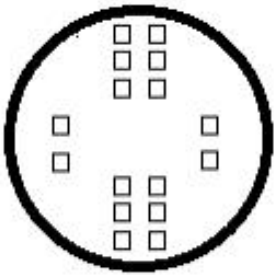
108

Answer: (d)

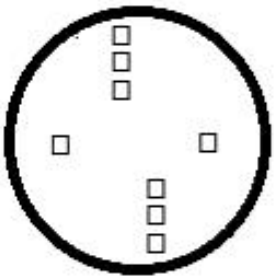
19.

A piece of paper is folded and cut as shown below in the question figures. Select from the given answer figures, how it will appear when unfolded?

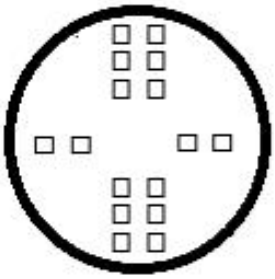
(a)



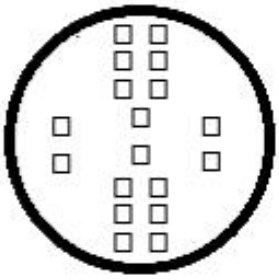
(b)



(c)



(d)



Answer: (a)

20.

Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

(a)

Gallon

(b)

Volume

(c)

Weight

(d)

Distance

Answer: (a)

22.

60 students participated in one or more of the three competitions, i.e. Quiz, Extempore and Debate. A total of 22 students participated either in Quiz only or in Extempore only. 4 students participated in all three competitions. A total of 14 students participated in any of the two competitions only. How many students participated in Debate only?

(a)

22

(b)

11

(c)

14

(d)

20

Answer: (d)

23.

In a certain code language, 'DRONE' is written as 'SERFO'. How will 'HOUSE' be written as in that language?

(a)

PQWGS

(b)

PIVFT

(c)

PIXFT

(d)

QJXGB

Answer: (c)

24.

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

2, 6, 14, 30, 62, 126, 250

(a)
62

(b)
14

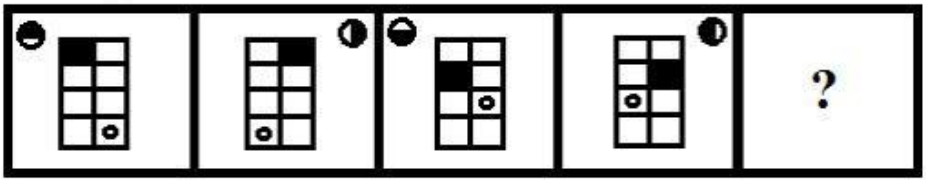
(c)
126

(d)
250

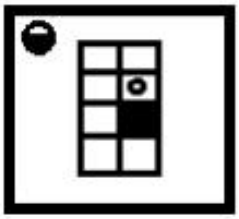
Answer: (d)

25.

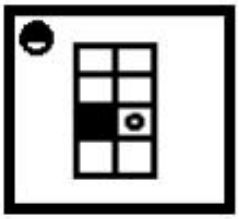
Select the figure that can replace the question mark (?) in the following series.



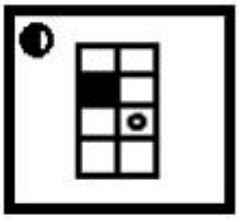
(a)



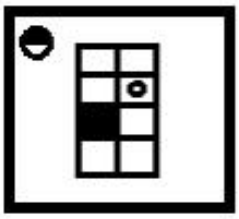
(b)



(c)



(d)



Answer: (d)

General Awareness

1. The Paithan Hydro - Electric Project is on river _____.

(a) Narmada

(b) Brahmaputra

(c) Godavari

(d) Yamuna

Answer: (c)

2. Name the Indian equestrian to qualify for the Tokyo Olympics officially after a wait / span of two decades.

(a) Ghulam Mohammed Khan

(b) Fouaad Mirza

(c) Bishal Singh

(d) Raghubir Singh

Answer: (b)

3. _____ are called the 'Powerhouses' of the cell.

(a) Mitochondria

(b) Lungs

(c) Arteries

(d) Pituitary glands

Answer: (a)

4. Which of the following Acts was amended to provide a statutory basis for the implementation of the flexible inflation targeting (FIT) framework?

(a) The Industrial Finance Corporation of India Act, 1948

(b) Reserve Bank of India (RBI) Act, 1934

(c) Deposit Insurance and Credit Guarantee Corporation Act, 1961

(d) Banking Regulation Act, 1949

Answer: (b)

5. The Legislative Assembly of which state adopted a new logo on the 9th January 2020?

(a) Assam

(b) Andhra Pradesh

(c) Tripura

(d) Arunachal Pradesh

Answer: (d)

6. Shaukat Kaifi passed away in 2019. She was the mother of which famous actress?

(a) Fatima Sana Shaikh

(b) Dia Mirza

(c) Urmila Matondkar

(d) Shabana Azmi

Answer: (d)

7. Which of the following years is called the Year of the Great Divide in the demographic history of India?

(a) 1931

(b) 1911

(c) 1951

(d) 1921

Answer: (d)

8. What does GNP stand for?
   (a) Gross National Produce
   (b) Gramin Nisak Praman
   (c) Gramin Nigam Parishad
   (d) Gross National Product

   Answer: (d)

9. Who designed the logo for Lokpal in India?
   (a) B.P. Raju
   (b) Kamareddy
   (c) Deepak Punia
   (d) Prashant Mishra

   Answer: (d)

10. The India Meteorological Department (IMD) celebrated its _____ foundation day on January 15, 2020.
   (a) 135th
   (b) 140th
   (c) 145th
   (d) 139th

   Answer: (c)

11. Fatehabad district derives its name from the eponymous headquarters town founded by _____ in the 14th century, who named it after his son Fateh Khan.
   (a) Allauddin Khilji
   (b) Humayun
   (c) Firoz Shah Tughlaq
   (d) Ghiyasuddin Tughlaq

   Answer: (c)

12. What is the pass at the southern end of the Nilgiri hills called?
   (a) Palakkad gap
   (b) Chorla ghat pass
   (c) Goran ghat pass
   (d) Malshej ghat pass

   Answer: (a)

13. The wood of which of the following trees is used to make the large plucked string instrument used in Carnatic classical music known as Bobbili Veena / Saraswathi Veena?
   (a) Sandal wood
   (b) Teak wood
   (c) Walnut wood
   (d) Jackfruit wood

   Answer: (d)

14. What does the writ of ‘Mandamus’ mean?
    (a) You May Have the Body
    (b) To be Certified
    (c) By What Warrants
    (d) We Command

    Answer: (d)

15. Deficiency of which of the following vitamins causes Night Blindness?
    (a) Vitamin C
    (b) Vitamin D
    (c) Vitamin B
    (d) Vitamin A

    Answer: (d)

16. In which of the following is citric acid present?
    (a) Black Gram
    (b) Curd
    (c) Lemon
    (d) Tamarind

    Answer: (c)

17. Protium, deuterium and tritium are the naturally occurring isotopes of:
    (a) nitrogen
    (b) gold
    (c) carbon
    (d) hydrogen

    Answer: (d)

18. Jai Prakash Narayan Museum of Socialism is situated in:
    (a) Amritsar
    (b) New Delhi
    (c) Vadodara
    (d) Lucknow

    Answer: (d)

20. In which year was the first Round Table Conference held in London?
    (a) 1907
    (b) 1919
    (c) 1923
    (d) 1930

    Answer: (d)

21. In which year did the Portuguese capture Goa?
    (a) 1475 AD
    (b) 1610 AD
    (c) 1540 AD
    (d) 1510 AD
    Answer: (d)

23. Name the first actor to win the Oscar Awards.
    (a) Emil Jannings
    (b) Lionel Barrymore
    (c) Warner Baxter
    (d) Charlie Chaplin
    Answer: (a)

24. On which country has the World Anti-doping Agency recently imposed a 4-year ban?
    (a) Pakistan
    (b) China
    (c) Brazil
    (d) Russia
    Answer: (d)

25. What is the yellow dust present in the middle of a wer called?
    (a) Sperm
    (b) Pollen
    (c) Stomata
    (d) Zygote
    Answer: (b)

Quantitative Aptitude

1.

The length, breadth and height of a cuboidal box are in the ratio 7 : 5 : 3 and its whole surface area is 27832 cm^2 . Its volume is:

(a)

$288100\ cm^3$

(b)

$280120\ cm^3$

(c)

$288120\ cm^3$

(d)

$208120\ cm^3$

Answer: (c)

2.

If $A + B = 12$ and $AB = 17$, what is the value of $A^3 + B^3$?

(a)

1116

(b)

1106

(c)

1213

(d)

1166

Answer: (a)

3.

Ravi scores 72% marks in examinations. If these are 360 marks, then the maximum marks are:

(a)

450

(b)

400

(c)

500

(d)

350

Answer: (c)

4.

The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

State	Year									
	1997		1998		1999		2000		2001	
	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995

What is the difference between the number of candidates qualifying in the year 1998, in the states M and P?

(a)

60

(b)

50

(c)

44

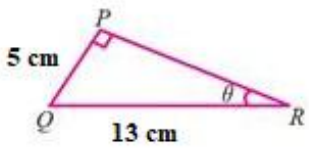
(d)

40

Answer: (d)

5.

In the right triangle shown in the figure , [illegible]t is the value of $cosec\theta$?



(a)

$\frac{5}{11}$

(b)

$\frac{12}{13}$

(c)

$\frac{13}{5}$

(d)

$\frac{5}{13}$

Answer: (c)

6.

If $6\tan\theta - 5\sqrt{3}sec\theta + 12cot\theta = 0, 0° < \theta < 90°$, then the value of $(\text{cosec}\ \theta + sec\theta)$ is:

(a)

$$\frac{3+\sqrt{3}}{2}$$

(b)

$$\frac{2(3+2\sqrt{3})}{3}$$

(c)

$$\frac{3+2\sqrt{3}}{2}$$

(d)

$$\frac{2}{3}(3+\sqrt{3})$$

Answer: (d)

7.

Ram makes a profit of 30% by selling an article. What would be the profit percent if it were calculated on the selling price instead of the cost price? (Correct to one decimal place)

(a)

20.1 %

(b)

24.2 %

(c)

23.1 %

(d)

22.4 %

Answer: (c)

8.

The single discount equivalent to two successive discounts of 20% and 15% is:

(a)

22%

(b)

30%

(c)

32%

(d)

28%

Answer: (c)

9.

The value of $1800 \div 20 \times \{(12-6)+(24-12)\}$ is:

(a)
1720

(b)
1620

(c)
840

(d)
2720

Answer: (b)

11.

Triangle PDC is drawn inside the square ABCD of side 24 cm where P lies on AB. What is the area of the triangle?

(a)
$288\ cm^2$

(b)
$280\ cm^2$

(c)
$298\ cm^2$

(d)
$200\ cm^2$

Answer: (a)

15.

What is the smallest integer that is a multiple of 5, 8 and 15?

(a)
120

(b)
40

(c)
60

(d)
600

Answer: (a)

21.

$(3a - 4b)^3$ is equal to:

(a)

$27a^3 - 64b^3$

(b)

$27a^3 - 64b^3 - 108a^2b + 144ab^2$

(c)

$9a^2 - 16b^2$

(d)

$9a^2 - 24ab + 16b^2$

Answer: (b)

22.

The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

State	Year									
	1997		1998		1999		2000		2001	
	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.
M	5200	720	8500	980	7400	850	68[illegible]	775	9500	1125
N	7500	840	9200	1050	8450	920	9[illegible]	980	8800	1020
P	6400	780	8800	1020	7800	890	[illegible]0	1010	9750	1250
Q	8100	950	9500	1240	8700	[illegible]	[illegible]00	1200	8950	995

The total number of candidates that qualified from all the states together in 1998 is approximately what percentage of the total number of candidates that qualified from all the states together in 2001? (Correct to Two decimal points)

(a)

96.70%

(b)

90.72%

(c)

94.7%

(d)

97.72%

Answer: (d)

25.

The following table represents the number of candidates that appeared and qualified in a competitive examination from different states over five years. Study the table and answer the questions that follow.

State	Year									
	1997		1998		1999		2000		2001	
	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.	Appeared	Qualified.
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995

What is the average number of candidates that appeared from State Q during the given years?

(a)

8990

(b)

9000

(c)

8980

(d)

8880

Answer: (a)

English Comprehension

1. Select the correct indirect form of the given sentence. Rahul said to his mother, "Can I go out and play now?"

(a) Rahul asked to his mother could he go out and play now.

(b) Rahul asked his mother that could he go out and play then.

(c) Rahul asked his mother if he could go out and play then.

(d) Rahul asked his mother if can he go out and play now.

Answer: (c)

2. Select the most appropriate synonym of the given word. Solemn

(a) Ignorant

(b) Serious

(c) Ordinary

(d) Furious

Answer: (b)

3. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

You will not learn cycling unless you don't try.

(a) until you don't try
(b) unless you try
(c) unless you didn't try
(d) until you are not trying

Answer: (b)

4. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Our new office will become operational from a weeks time.

(a) by the week's time
(b) in a week's time
(c) No improvement
(d) for a weeks time

Answer: (b)

5. Select the correct passive form of the given sentence. Fortunately, the fire did not cause much damage.

(a) Fortunately, not much damage is caused by the fire.
(b) Fortunately, not much damage was caused by the fire.
(c) Fortunately, not much damage was being caused by the fire.
(d) Fortunately, not much damage is being caused by the fire.

Answer: (b)

6. Select the most appropriate meaning of the given idiom. Kill two birds with one stone

(a) To try something impossible
(b) To achieve two results with a single effort
(c) To be an expert shooter
(d) To plan two murders simultaneously

Answer: (b)

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.
>
> Tourism can cause social, cultural or environmental disruption. The greatest concern is (1)_____ damage to environment. In order to attract more tourists, (2)_____ resorts are built which take neither the local architecture (3)_____ the ecology into consideration. Natural systems get (4)_____ as a result of indiscriminate construction to provide water (5)_____ waste disposal facilities along with recreational arrangements to tourists.

7. Select the most appropriate option to fill in blank number (1).
   (a) an
   (b) one
   (c) the
   (d) a
   Answer: (c)

8. Select the most appropriate option to fill in blank number (2).
   (a) spreading
   (b) sprawling
   (c) scheming
   (d) stretching
   Answer: (b)

9. Select the most appropriate option to fill in blank number (3).
   (a) or
   (b) none
   (c) no
   (d) nor
   Answer: (d)

10. Select the most appropriate option to fill in blank number (4).
   (a) destroyed
   (b) displayed
   (c) distracted
   (d) dismayed
   Answer: (a)

11. Select the most appropriate option to fill in blank number (5).
   (a) and
   (b) but
   (c) also
   (d) as
   Answer: (a)

12. Select the INCORRECTLY spelt word.
   (a) Pageant
   (b) Pamphlet
   (c) Persevere
   (d) Potraite
   Answer: (d)

13. Fill in the blank with the most appropriate word. Your demands are bound to lead to _____ in the family.

(a) barrier

(b) discord

(c) decrease

(d) absence

Answer: (b)

14. Select the word which means the same as the group of words given. Central character in a story or play

(a) Hedonist

(b) Opportunist

(c) Protagonist

(d) Cartoonist

Answer: (c)

15. Select the most appropriate meaning of the given idiom. Make off with

(a) To discover

(b) To transfer

(c) To run away

(d) To understand

Answer: (c)

16. In the sentence identify the segment which contains the grammatical error. If a few drops of lemon are put in the milk, it has turned sour

(a) it has turned sour

(b) If a few

(c) drops of lemon

(d) are put in the milk

Answer: (a)

17. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. These baits were temptations that people couldn't resist.
B. He evolved a theory that the world was a rat-trap.
C. Once, a peddler sat looking at his rat-traps.
D. Here, people lay baits for others.

(a) BDAC

(b) DACB

(c) CBDA

(d) CADB

Answer: (c)

18. Select the word which means the same as the group of words given. Person or animal living on another

(a) Successor

(b) Pupil

(c) Parasite

(d) Heir

Answer: (c)

19. Select the most appropriate synonym of the given word. Eradicate

(a) Magnify

(b) Condense

(c) Uproot

(d) Approve

Answer: (c)

20. Select the INCORRECTLY spelt word.

(a) Delicious

(b) Failure

(c) Furious

(d) Journy

Answer: (d)

21. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Their prestige and glory spread far and wide.
B. The first Olympics were held at Olympia in Greece in 776 B.C.
C. It was because the Christians believed that they encouraged pagan worship in temples.
D. However, with the advent of Christianity, the games lost their importance.

(a) BADC

(b) BCDA

(c) DCAB

(d) ACDB

Answer: (a)

22. Fill in the blank with the most appropriate word. Do you want to _____ to Reader's Digest magazine?

(a) prescribe

(b) subscribe

(c) transcribe

(d) describe

Answer: (b)

23. In the sentence identify the segment which contains the grammatical error. Mohit did not went to school yesterday as he was unwell.
    (a) went to school
    (b) was unwell
    (c) Mohit did not
    (d) yesterday as he

    Answer: (a)

24. Select the most appropriate ANTONYM of the given word. Persuade
    (a) Induce
    (b) Pervade
    (c) Dissuade
    (d) Impress

    Answer: (c)

25. Select the most appropriate ANTONYM of the given word. Rear
    (a) Back
    (b) Hind
    (c) Lower
    (d) Front

    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 Intelligence and Reasoning

1	**(b)**	2	**(d)**	3	**(c)**	5	**(a)**	9	**(d)**	10	**(d)**	11	**(d)**	14	**(a)**
15	**(a)**	17	**(d)**	19	**(a)**	20	**(a)**	22	**(d)**	23	**(c)**	24	**(d)**	25	**(d)**

General Awareness

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

Quantitative Aptitude

1	**(c)**	2	**(a)**	3	**(c)**	4	**(d)**	5	**(c)**	6	**(d)**	7	**(c)**	8	**(c)**
9	**(b)**	11	**(a)**	15	**(a)**	21	**(b)**	22	**(d)**	25	**(a)**				

English Comprehension

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