PREVIOUS YEAR PAPER

SSC MTS 2021 — 19 July 2022, Shift 3

SSC MTS & Havaldar · 19 July 2022 · 5:00 PM - 6:30 PM

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

Left out of the original paper: 12 (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 19 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-2021-19-jul-shift-3/

General English

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

Existing or happening in the same time period

(a) Inbred
(b) Exemplary
(c) Contemporary
(d) Cosmopolitan

Answer: (c)

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

Confiscated

(a) Seized
(b) Marinated
(c) Acquitted
(d) Liberated

Answer: (a)

3. 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.

Details of the housing / services and allowances / has not been announced yet

(a) services and internment
(b) Details of the housing
(c) No error
(d) has not been announced yet

Answer: (d)

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

After a long _____, she finally answered my question.

(a) pass
(b) posse
(c) paws
(d) pause

Answer: (d)

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

Every other facility can only be enjoyed with the benefit of good health.

(a) being enjoying with
(b) No improvement required
(c) been enjoyed with
(d) enjoying for

Answer: (b)

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

Robust

(a) Agile
(b) Healthy
(c) Weak
(d) Strong

Answer: (c)

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

Sprightly

(a) Lethargic
(b) Enthusiastic
(c) Durable
(d) Spiteful

Answer: (a)

9. Select the correctly spelt word.

(a) Indafatigable
(b) Indafetigable
(c) Indefatigable
(d) Indefetigable

Answer: (c)

11. 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.

In some institutions, additional teaching / assistants will hired to / teach high school students.

(a) No error
(b) In some institutions, additional teaching
(c) assistants will hired to
(d) teach high school students

Answer: (c)

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

A room in a public building where outdoor clothes or luggage may be left

(a) Cemetery
(b) Cloakroom
(c) Courtyard
(d) Hangar

Answer: (b)

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

Satiate

(a) Pamper
(b) Culminate
(c) Satisfy
(d) Agitate

Answer: (c)

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

The skill of execution is viewed as inseparable from art, and mastery of technical problems is a _____ for producing expressive interpretations.

(a) parasite
(b) premonition
(c) percussion
(d) precondition

Answer: (d)

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

The prisoners made an elaborate plan to escape _____ the jail.

(a) in
(b) by
(c) for
(d) from

Answer: (d)

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

I can't _____ this pain anymore.

(a) bier
(b) boor
(c) bear
(d) beer

Answer: (c)

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

I can neither punish him nor reward him for which he have done.

(a) what he done
(b) No improvement required
(c) what he has done
(d) which he has did

Answer: (c)

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

I can't fit this teddy bear in my almirah. It is so _____.

(a) judicious
(b) liberal
(c) gigantic
(d) petite

Answer: (c)

19. Select the correctly spelt word.

(a) Biuldng
(b) Biulding
(c) Buildng
(d) Building

Answer: (d)

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

Heart and soul

(a) Quickly
(b) Suddenly
(c) Completely
(d) Loudly

Answer: (c)

Passage — for questions 21–25

> In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
>
> Scientists (1) _____ Oxford University say their experimental coronavirus vaccine (2) _____ been shown in an early trial to prompt a protective immune response in hundreds of people who got the shot. British researchers first began testing the vaccine in April in about 1,000 people, half of (3) _____ got the experimental vaccine. Such early trials are usually designed only to (4) _____ safety, but in this case, experts were also looking to see what kind of immune response was (5) _____ .

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

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

Answer: (d)

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

(a) was
(b) had
(c) have
(d) has

Answer: (d)

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

(a) whose
(b) what
(c) whom
(d) which

Answer: (c)

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

(a) elevate
(b) criticise
(c) dictate
(d) evaluate

Answer: (d)

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

(a) reduced
(b) provoked
(c) sheltered
(d) lessened

Answer: (b)

General Intelligence and Reasoning

1. 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 G is H. II. Some R are G.

Conclusions: I. Some H are not G. II. All H are R.

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

Answer: (b)

2. In a certain code language, 'DISK' is written as 'SIK and 'MINE' is written as 'NIEM'. How will 'BOLD' be written in that language?

(a) BLOD
(b) DOLB
(c) BDOL
(d) LODB

Answer: (d)

3. In a certain code language, if phone is called laptop, laptop is called kettle, kettle is called refrigerator, refrigerator is called charger, and charger is called cooler, then what is used to store food?

(a) Charger
(b) Laptop
(c) Refrigerator
(d) Kettle

Answer: (a)

4.

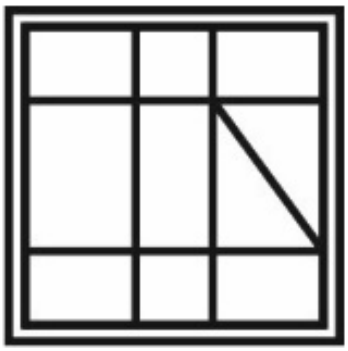
Select the option in which the given figure is embedded. (Rotation is allowed)



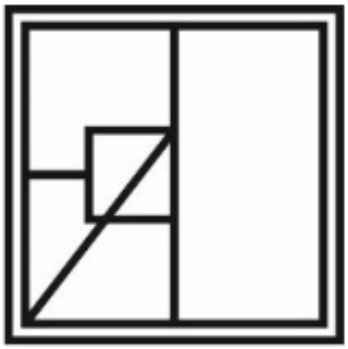
(a)



(b)



(c)



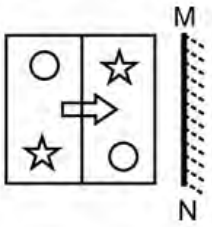
(d)



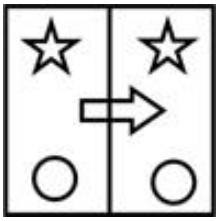
Answer: (a)

5.

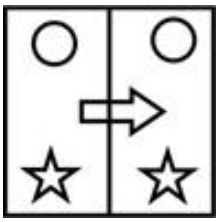
Select the correct mirror image of the given figure when the mirror is placed at line MN as shown.



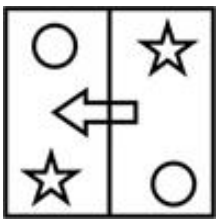
(a)



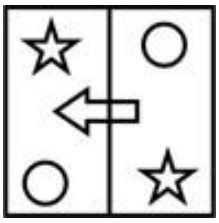
(b)



(c)



(d)



Answer: (d)

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

56, 111, 221, 441, 881, ?

(a) 1651

(b) 1661

(c) 1761

(d) 1781

Answer: (c)

7. If ‘Red’ is called ‘Blue’, ‘Blue’ is called ‘White’, ‘White’ is called ‘Black’, ‘Black’ is called ‘Pink’, and ‘Pink’ is called ‘Orange’, then what is the colour of milk?

(a) Pink
(b) Orange
(c) White
(d) Black

Answer: (d)

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

(146, 102, 58)

(a) (164, 120, 56)
(b) (150, 106, 62)
(c) (168, 114, 70)
(d) (152, 108, 84)

Answer: (b)

9. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

MNO13 : QRS17 :: PQR16 : TUV20 :: STU19 : ?

(a) WXY22
(b) VWX23
(c) WXY23
(d) VWX22

Answer: (c)

10. By interchanging the two numbers 20 and 36, which of the following equations will be correct?

I. 55 + 42 – 36 × 20 ÷ 9 = 17
II. 20 ÷ 2 × 36 + 81 – 41 = 400

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

Answer: (c)

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

GAM, DCJ, AEG, XGD, ?

(a) VJA

(b) UIA

(c) VIA

(d) UJA

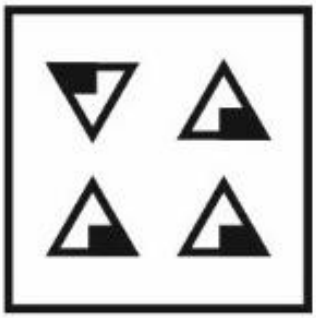
Answer: (b)

12.

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



(a)



(b)



(c)



(d)



Answer: (d)

13. Among five friends Aman, Baman, Chaman, Karan and Tapan, Chaman is older than only one friend. Tapan is older than Karan. Only two persons are older than Karan. Baman is older than Tapan. Who is the youngest among all the friends?

(a) Aman

(b) Chaman

(c) Tapan

(d) Karan

Answer: (a)

14. 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.

68 : 4 :: 130 : 5 :: 350 : ?

(a) 6

(b) 8

(c) 9

(d) 7

Answer: (d)

15. 6 persons A, B, C, D, E and F are sitting in a row facing north (not necessarily in the same order). A is the immediate neighbour of D and F. F is the immediate neighbour of E and A. B is in the second position from the right end. If D is not at any of the ends, then how many persons are sitting towards the left of D?

(a) 2

(b) 1

(c) 5

(d) 3

Answer: (d)

16. Which of the numbers (not digits) should be interchanged in the given equation to make it mathematically correct?

4 + 6 × 3 − 5 ÷ 2 = 16

(a) 5 and 6
(b) 4 and 6
(c) 2 and 3
(d) 5 and 3

Answer: (a)

17. Select the option that will replace the question mark (?) in the given series.

77, 158, 207, 232, 241, ?

(a) 242
(b) 243
(c) 244
(d) 240

Answer: (a)

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

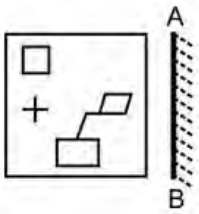
RIDE : EIDR :: IDLE : EDLI :: LAMP : ?

(a) ALPM
(b) PAML
(c) PMAL
(d) MPAL

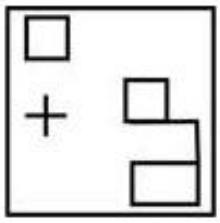
Answer: (b)

19.

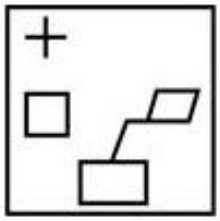
Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.



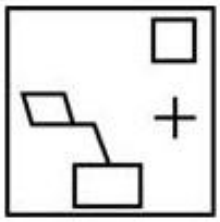
(a)



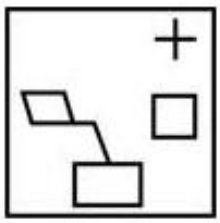
(b)



(c)



(d)



Answer: (c)

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

Night Blindness : Vitamin A :: Beri Beri : ?

(a) Vitamin D
(b) Vitamin C
(c) Vitamin B
(d) Vitamin A

Answer: (c)

21. 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: Some pastas are pizzas. No pizza is a burger. Statement II: All burgers are nachos.

Conclusion I: Some pasta being nacho is a possibility.

Conclusion II: All pizza being nacho is a possibility.

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

Answer: (a)

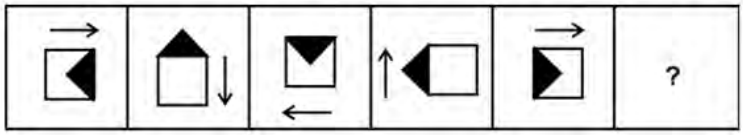
22. In a certain code language, 'HOLA' is c[illegible]d as [illegible]', and 'GRABY' is coded as '25'. How will 'SIX' be coded in that language?

(a) 6
(b) 12
(c) 18
(d) 9

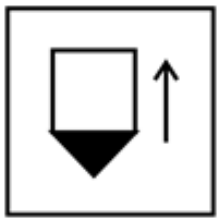
Answer: (d)

23.

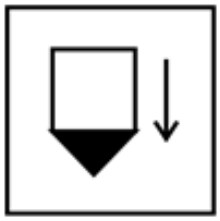
Select the figure from among the given options that can replace the question mark (?) in the following series.



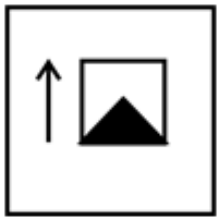
(a)



(b)



(c)



(d)



Answer: (b)

24. Among seven friends P, Q, R, S, T, U and V; U is taller than only three other friends. R is tallest among all friends. T is taller than U. Q is taller than only one person. Only two persons are taller than P. V is taller than

Q. Who is the shortest among all the friends?

(a) S

(b) U

(c) V

(d) P

Answer: (a)

25.

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



(a)



(b)



(c)



(d)



Answer: (d)

Numerical Aptitude

4.

A person bought an article and sold it at a loss of 15%. If he would have sold it for ₹50 more, he could have gained 10%. What was the original cost price of the article?

(a)

₹260

(b)

₹280

(c)

₹160

(d)

₹200

Answer: (d)

5.

There are a total of 60 students in a class and the ratio of the number of boys to that of the girls is 4 : 1, respectively. If 22 of the boys from this class are vegetarians, then find the number of non-vegetarian boys from the same class.

(a)

26

(b)

18

(c)

38

(d)

28

Answer: (a)

7.

15 kg of grapes, in which 90% of the content was water, were kept in sunlight. In presence of sunlight, the water content reduced to such an extent that now only 85% of the total weight of the grapes was water. Find the total reduced weight of the grapes.

(a)

10 kg

(b)

14 kg

(c)

13 kg

(d)

12 kg

Answer: (a)

8.

The following table shows the marks scored by 2 students in 5 different subjects.

	Student 1	Student 2
Subject 1	40	30
Subject 2	48	40
Subject 3	36	35
Subject 4	32	32
Subject 5	44	43

N = Total marks of student 1 in subjects 1 and 4 taken together

M = Total marks of student 2 in subjects 3 and 5 taken together

What is the value of N : M?

(a)

12 : 13

(b)

44 : 31

(c)

44 : 39

(d)

17 : 19

Answer: (a)

9.

The value of 30% of 3000 + $\sqrt{289}$ – 897 is:

(a)

20

(b)

–29

(c)

41

(d)

62

Answer: (a)

10.

The perimeter of an equilateral triangle is equal to the circumference of a circle. If each side of this equilateral triangle is 88 cm long, then what will be the length of the diameter of the circle mentioned above? [Use $\pi = \frac{22}{7}$]

(a)
21 cm
(b)
63 cm
(c)
84 cm
(d)
42 cm

Answer: (c)

12.

The average of 8 numbers is 12. If a number Y is added to each of these 8 numbers, then the average becomes 16. What is the value of Y?

(a)
5
(b)
4
(c)
8
(d)
6

Answer: (b)

13.

The average of 10 consecutive even numbers is 25. If the even number just preceding the smallest of the 10 given numbers is also included, then what will be the new average?

(a)
11
(b)
9
(c)
23
(d)
24

Answer: (d)

14.

A bus starts from a bus station after every 30 minutes in the same direction. The speed of each bus is the same. Z is riding a bike in the opposite direction at a speed of 25 km/h. Z meets each bus in 20 minutes. What is the speed of each bus?

(a)

50 km/h

(b)

75 km/h

(c)

30 km/h

(d)

60 km/h

Answer: (a)

15.

Find the value of: $(13 \times 23) - \sqrt{(758 + \sqrt{676} - (49^2 \times 1 \div 7) + 15 \times 33}$

(a)

413

(b)

403

(c)

423

(d)

433

Answer: (c)

17.

A train can cover a certain distance in 3 hrs. If the track management is improved, an increase in the speed of the train by 10 km/h is possible, which can reduce the above journey time by 30 minutes. Find the initial speed of the train.

(a)

60 km/h

(b)

80 km/h

(c)

50 km/h

(d)

65 km/h

Answer: (c)

20.

A work can be completed by X men in 15 days. 10 more men join them after 3 days. The remaining work is now completed in 8 days. What is the value of X?

(a)

16

(b)

20

(c)

12

(d)

24

Answer: (b)

21.

A dealer bought an item at a discount of 10% on its original price. He sold it for an amount 35% more than the original price. What percentage of profit did he get?

(a)

42.5%

(b)

50%

(c)

62.5%

(d)

57.5%

Answer: (b)

22.

Find the largest number with which when 394 and 658 are divided, they leave remainders of 1 and 3, respectively.

(a)

143

(b)

141

(c)

133

(d)

131

Answer: (d)

24.

The length of a rectangle is 5 times of its breadth. If the breadth is 10 cm, then what is the perimeter of the rectangle?

(a)

60 cm

(b)

110 cm

(c)

120 cm

(d)

95 cm

Answer: (c)

General Awareness

1. What are the projections of varying lengths protruding out of an amoeba's body, which can appear and disappear, known as?

(a) Contractile vacuole

(b) Paramecium

(c) Pseudo vacuole

(d) Pseudopodia

Answer: (d)

2. What is the minimum age to become Rajya Sabha ember?

(a) 20 years

(b) 25 years

(c) 35 years

(d) 30 years

Answer: (d)

3. Who among the following former governors of the Reserve Bank of India (RBI) was appointed as the Vice-President of The Asian Infrastructure Investment Bank (AIIB) in January 2022?

(a) Urjit Patel

(b) Raghuram Rajan

(c) YV Reddy

(d) D Subbarao

Answer: (a)

4. Who among the following musicians has won the Bharat Ratna Award?

(a) Ram Narayan

(b) Ustad Bismillah Khan

(c) Hariprasad Chaurasia

(d) Ustad Ali Akbar Khan

Answer: (b)

5. By maternal descent, Mughals were descendants of ?
   (a) Timur
   (b) Alexander
   (c) Genghis Khan
   (d) Galba
   Answer: (c)

6. Gochi festival is an Indian festival majorly celebrated in _____.
   (a) Chhattisgarh
   (b) Goa
   (c) Himachal Pradesh
   (d) Karnataka
   Answer: (c)

7. Who set up the Asiatic Society of Bengal?
   (a) James Mill
   (b) William Jones
   (c) Robert Clive
   (d) Warren Hastings
   Answer: (b)

8. In which year was the first ICC men's Cricket World Cup played?
   (a) 1977
   (b) 1974
   (c) 1976
   (d) 1975
   Answer: (d)

9. Which of the following factors does NOT affect the formation of soil?
   (a) Climate
   (b) Parent material
   (c) Landslides
   (d) Topography
   Answer: (c)

10. The Barabati Fort is situated in the city of.
   (a) Guwahati
   (b) Cuttack
   (c) Madurai
   (d) Raipur
   Answer: (b)

11. Which of the following elements of the periodic table has atomic number 1?

(a) Hydrogen
(b) Cobalt
(c) Copper
(d) Nitrogen

Answer: (a)

12. 'Ace Against Odds' is the autobiography of which of the following persons?

(a) Vijay Amritraj
(b) Sania Mirza
(c) Leander Paes
(d) Mahesh Bhupathi

Answer: (b)

13. Which famous Bharatanatyam dancer was awarded with the Padma Bhushan in 1957 and Padma Vibhushan in 1977? Bengali film director Satyajit Ray made a documentary on her.

(a) Ileana Citaristi
(b) Tanjore Balasaraswati
(c) Saroj Khan
(d) Kumari Kamala

Answer: (b)

14. Zoroaster was a/an _____ prophet.

(a) Indian
(b) Chinese
(c) British
(d) Iranian

Answer: (d)

15. The word agriculture is derived from the Latin words ager and culture. What does 'ager' mean?

(a) Rocks
(b) Soil
(c) Water
(d) Plants

Answer: (b)

16. Who founded Shantiniketan near Bolpur on 22 December 1901?

(a) Dr Rajendra Prasad
(b) Rabindranath Tagore
(c) Durgabai Deshmukh
(d) Gopal Krishna Gokhale

Answer: (b)

17. What is the total number of India's neighbouring countries?
(a) Twelve
(b) Six
(c) Eight
(d) Nine
Answer: (d)

18. Which Indian city will host the 2023 International Olympic Committee session?
(a) Chennai
(b) Pune
(c) Mumbai
(d) Bengaluru
Answer: (c)

19. Which state has the highest reserves of graphite in India, as of April 2022?
(a) Maharashtra
(b) Arunachal Pradesh
(c) Karnataka
(d) Chhattisgarh
Answer: (b)

20. Which of the following is NOT a feature of parliam .ary government in India?
(a) Membership of the ministers in the legislature
(b) Undissolvable lower house
(c) Presence of nominal and real execu.
(d) Collective responsibility of the executive to the legislature
Answer: (b)

21. In India, the second census of the 21st century was conducted in _____.
(a) 2014
(b) 2011
(c) 2004
(d) 2009
Answer: (b)

22. Who among the following legendary Kathak dancers passed away in January 2022?
(a) Pandit Birju Maharaj
(b) Pandit Lachhu Maharaj
(c) Pandit Ravi Shankar
(d) Pandit Durga Lal
Answer: (a)

23. Baking soda is the common name of _____.
    (a) citric acid
    (b) tartaric acid
    (c) sodium bicarbonate
    (d) ammonium hydroxide
    Answer: (c)

24. Since which year has the AFSPA been started?
    (a) 1949
    (b) 1952
    (c) 1958
    (d) 1955
    Answer: (c)

25. Jagoi and Cholom are the two main divisions of ?
    (a) Bharatanatyam
    (b) Odissi
    (c) Manipuri
    (d) Kathak
    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 English

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

General Intelligence and Reasoning

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

Numerical Aptitude

4	**(d)**	5	**(a)**	7	**(a)**	8	**(a)**	9	**(a)**	10	**(c)**	12	**(b)**	13	**(d)**
14	**(a)**	15	**(c)**	17	**(c)**	20	**(b)**	21	**(b)**	22	**(d)**	24	**(c)**		

General Awareness

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