PREVIOUS YEAR PAPER

SSC MTS 2021 — 18 July 2022, Shift 2

SSC MTS & Havaldar · 18 July 2022 · 1:00 PM - 2:30 PM

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

Left out of the original paper: 9 (any question that needs a figure or formatting we cannot show, has no answer in the response sheet, or could not be checked against a second copy of the paper).

Questions from the Staff Selection Commission's paper of 18 July 2022, 1:00 PM - 2:30 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-2021-18-jul-shift-2/

General English

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

One who runs away from justice or a dangerous situation

(a) Sadist
(b) Altruist
(c) Insolvent
(d) Fugitive

Answer: (d)

2. Select the most appropriate meaning of the given i n.

Once in a blue moon

(a) Occasionally
(b) Very rarely
(c) Frequently
(d) Incessantly

Answer: (b)

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

Having or forming a hard outer layer

(a) Crunched
(b) Crushed
(c) Crusted
(d) Cursed

Answer: (c)

4. Select the correctly spelt word.

(a) Adamant
(b) Amorphuous
(c) Despottic
(d) Contentous

Answer: (a)

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

I am not gone to harm this dog.

(a) are not going
(b) No improvement required
(c) am not going
(d) is not gone

Answer: (c)

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

Ritu had gone out to drink water _____ her examination started.

(a) even
(b) whether
(c) before
(d) now

Answer: (c)

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

I feel so lazy and _____ after doing any strenuous work.

(a) lively
(b) sluggish
(c) fortunate
(d) bouncing

Answer: (b)

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

Ambitious

(a) Vigorous
(b) Lazy
(c) Dynamic
(d) Lively

Answer: (b)

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

The study of the heart and its action and disease

(a) Pharmacology
(b) Anthropology
(c) Cardiology
(d) Microbiology

Answer: (c)

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

My mother is a _____ and forgiving person.

(a) respective
(b) vital
(c) difficult
(d) compassionate

Answer: (d)

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

We have the responsibility of finding our daughter.

(a) No improvement required
(b) of finding us
(c) to finding our
(d) finding of our

Answer: (a)

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

Fleeting

(a) Passing
(b) Feeble
(c) Brief
(d) Lasting

Answer: (d)

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

Propitious

(a) Conciliatory
(b) Cogent
(c) Inimical
(d) Auspicious

Answer: (d)

16. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

In the primitive / oceans, / life begins / nearly 3.5 billion years ago.

(a) nearly 3.5 billion years ago
(b) life begins
(c) oceans
(d) In the primitive

Answer: (b)

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

Try to sound more innocent than sarcastic.

(a) playful
(b) mild
(c) caustic
(d) rational

Answer: (c)

18. Select the correctly spelt word.

(a) Tolreite
(b) Toilerate
(c) Tolerate
(d) Tolrate

Answer: (c)

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

I am _____ willing to sign this contract with your company.

(a) nor
(b) none
(c) not
(d) no

Answer: (c)

20. The following sentence has been split into segments. Identify the segment that contains a grammatical error.

Continuous heavy / rainfall may / further worse / the flood situation.

(a) rainfall may
(b) Continuous heavy
(c) the flood situation
(d) further worse

Answer: (d)

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.
>
> Speech pathologists are (1) _____ in communication disabilities. They work within multidisciplinary health-care teams (2) _____ a variety of hospital and community-based sites. This (3) _____ working with medical, nursing, and allied health professionals such (4) _____ psychologists, occupational therapists, social (5) _____ and physiotherapists.

21. Select the most appropriate option to fill in blank number 1.
    (a) quacks
    (b) teachers
    (c) experts
    (d) relatives
    Answer: (c)

22. Select the most appropriate option to fill in blank number 2.
    (a) across
    (b) after
    (c) by
    (d) about
    Answer: (a)

23. Select the most appropriate option to fill in blank number 3.
    (a) includes
    (b) included
    (c) include
    (d) including
    Answer: (a)

24. Select the most appropriate option to fill in blank number 4.
    (a) than
    (b) so
    (c) like
    (d) as
    Answer: (d)

25. Select the most appropriate option to fill in blank number 5.
    (a) migrants
    (b) workers
    (c) amateurs
    (d) manuals
    Answer: (b)

General Intelligence and Reasoning

1. 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.

ACADEMY : ZXZWVNB :: FINANCE : URMZMXV :: PACKAGE : ?

(a) KZXPZUV
(b) KZXPZTU
(c) KZXQZTV
(d) KZXPZTV

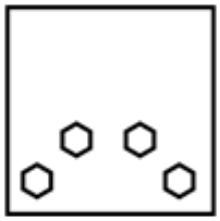
Answer: (d)

2.

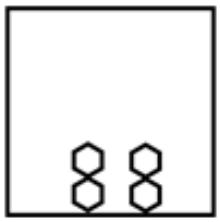
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



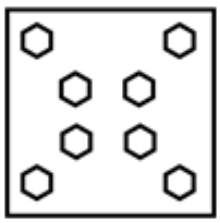
(a)



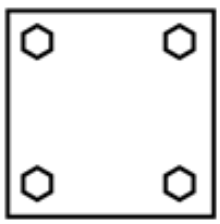
(b)



(c)



(d)



Answer: (a)

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

TOC, SLX, RIS, QFN, ?

(a) PEI
(b) PCJ
(c) PCI
(d) PDI

Answer: (c)

4. If '–' stands for '×', '×' stands for '+', '+' stands for'÷' and '÷' stands for '–', then what will be the value of 516 – 2558 + 172 × 12 ÷ 7086?

(a) 500
(b) 400
(c) 600
(d) 700

Answer: (c)

5. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

POK : HLM :: ORT : ?

(a) QPL
(b) QOM
(c) QPM
(d) QOL

Answer: (d)

6. In a certain code language, '251' means 'Water is Black', '509' means 'Black Her Eyes' and '981' means 'Eyes Like Water'. Find the code for 'is'.

(a) 2
(b) 5
(c) 9
(d) 1

Answer: (a)

7. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

LON : RRN :: MAD : ?

(a) IDO
(b) HDO
(c) IEO
(d) HEO

Answer: (b)

8. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: No apples are trees. Some trees are dense.

Conclusions:
I. Some apples are dense.
II. No tree is an apple.

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

Answer: (d)

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

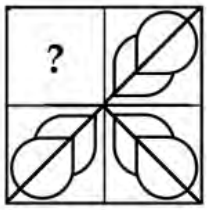
8, 18, 57, 232, ?, 6996

(a) 888
(b) 1165
(c) 924
(d) 828

Answer: (b)

10.

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



(a)



(b)



(c)



(d)



Answer: (d)

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

53, 55, 58, 63, ?, 81

(a) 68

(b) 71

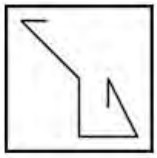
(c) 70

(d) 69

Answer: (c)

12.

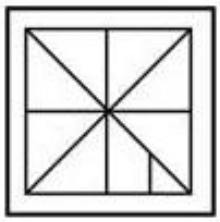
Select the option in which the given figure is embedded as its part (rotation is NOT allowed).



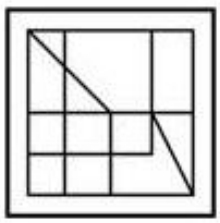
(a)



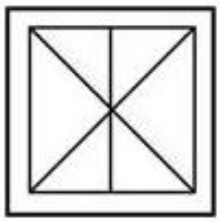
(b)



(c)



(d)



Answer: (c)

13. By interchanging the given two signs and two numbers (not digits), which of the following equations will be correct?

÷ and ×, 25 and 12
I. 105 ÷ 10 × 75 + 25 – 12 = 3
II. 75 × 12 ÷ 25 + 14 – 10 = 40

(a) Only II is correct.
(b) Both I and II are correct.
(c) Only I is correct.
(d) Neither I nor II is correct.

Answer: (a)

14.

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



(a)



(b)



(c)



(d)



Answer: (b)

15. In a certain code language, 'TRAIND' is written as 'FPKBSU', and 'POKRSB' is written as 'DUTLPQ'. How will 'ANLCGH' be written in that language?

(a) JIENOB

(b) JIEMOB

(c) JIFMOB

(d) JHEMOB

Answer: (b)

16. In a certain code language, ‘Grains contain wheat rice’ is coded as ‘8 6 # %’, and ‘Rice are hard grains’ is coded as ‘# pr % lm’. What is the code for ‘grains rice’ in that code language?

(a) # %

(b) % 6

(c) lm 6

(d) # pr

Answer: (a)

17. Three males K, J and M are sitting in a row facing towards the south (not necessarily in the same order). Three females R, F and T are sitting in a row facing towards the face of these males (not necessarily in the same order). R is the immediate neighbour of F and T. K is second to the right of M. R is to the immediate left of F. If we arrange the females in the alphabetical order of their names from the left end to the right end, then how many females will face the same male who they faced before this new arrangement?

(a) One

(b) Two

(c) Three

(d) Zero

Answer: (a)

18. 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.

225 : 36 :: 257 : 56 :: 358 : ?

(a) 64

(b) 44

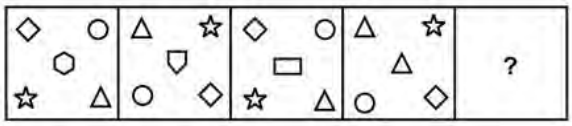
(c) 54

(d) 60

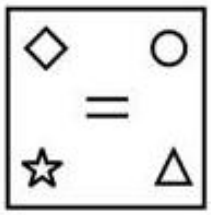
Answer: (a)

19.

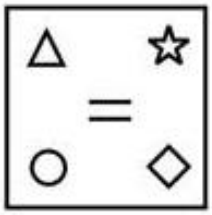
Select the figure from among the given options that can replace the question mark (?) in the following series.



(a)



(b)



(c)



(d)



Answer: (a)

20. Six persons - Arun, Brij, Chaman, Danish, Evan and Farukh - sit around a circular table facing the centre. Farukh is second to the right of Arun. Danish is second to the left of Chaman. Brij is to the immediate right of Farukh. Who sits third to the left of Ehsan?

(a) Farukh

(b) Arun

(c) Danish

(d) Chaman

Answer: (d)

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.

Statements: All radios are electronic items. Some speakers are electronic items.

Conclusions:
I. No radio is a speaker.
II. Some radios are speakers.

(a) Only conclusion I follows.

(b) Only conclusion II follows.

(c) Both conclusions I and II follow.

(d) Either conclusion I or II follows.

Answer: (d)

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

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(4, 5, 81) (2, 5, 49)

(a) (4, 6, 90)

(b) (4, 7, 111)

(c) (3, 5, 64)

(d) (3, 5, 74)

Answer: (c)

23. Six people, F, G, H, I, J and K, got different marks in their examination. G got more marks than F and K. F got more marks than I, but not the highest marks. G scored more marks than H. K got more marks than J, but fewer marks than H. I got the thirdlowest marks. F got more marks than K but less than H. F got 59 marks and K got 46 marks. Who among the following got the highest marks?

(a) G

(b) J

(c) H

(d) K

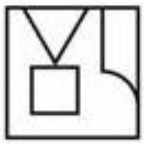
Answer: (a)

24.

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



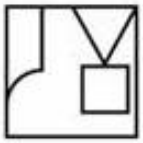
(a)



(b)



(c)



(d)



Answer: (a)

25. In a certain code language, 'SWISS' is written as 'HDRHH', and 'TABOO' is written as 'GZYLL'. How will 'REHAB' be written in that language?

(a) HHGAK

(b) IGASH

(c) IVSZY

(d) BAHRE

Answer: (c)

Numerical Aptitude

1.

P can do a piece of work alone in 16 days, Q can do the same work alone in 24 days, while R can do it alone in 48 days. They work together and complete the work, and receive a total of ₹744 as payment for doing the work. What is the share of the person who received the smallest amount?

(a)

₹118

(b)

₹124

(c)

₹132

(d)

₹112

Answer: (b)

3.

What is the value of $\frac{\frac{5}{11} \div \frac{7}{25} \times \frac{33}{28} + \frac{5}{12} \times \frac{2}{3} \div \frac{25}{27}}{\frac{6}{11} \times \frac{5}{12} \div \frac{15}{44}}$?

(a)

$\frac{9670}{1866}$

(b)

$\frac{8408}{1955}$

(c)

$\frac{6507}{1960}$

(d)

$\frac{9567}{1860}$

Answer: (c)

4.

A bag contains coins of ₹1, ₹2 and ₹5 in the ratio 5 : 10 : 6 respectively. The total amount in the bag is ₹275. How many ₹5 coins are in the bag?

(a)

30

(b)

35

(c)

20

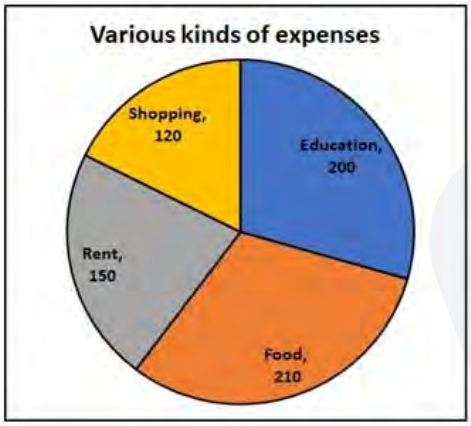
(d)

25

Answer: (a)

6.

The following pie chart gives the ratio of various kinds of expenses of a particular family for a week.



If the amount spent on shopping for the week is ₹1,000, what is the total amount spent on food?

(a)

₹1,450

(b)

₹1,750

(c)

₹1,650

(d)

₹1,550

Answer: (b)

7.

The following table shows the demand and the production of the items made by four different companies.

Company Name	Demand (no. of items)	Production (no. of items)
Company A	3500	1500
Company B	500	2000
Company C	2500	1000
Company D	1000	3500

How many extra number of items did company B produce over and above the number of items demanded from it?

(a)

2500

(b)

2000

(c)

1500

(d)

500

Answer: (c)

8.

There are 45 students in a class. 80% of the students passed the exam. How many students failed in the exam?

(a)

8

(b)

9

(c)

5

(d)

11

Answer: (b)

9.

In a classroom consisting of boys and girls, the average marks obtained by the boys is 90. If the average of the whole class is 92, and the ratio of the number of boys to that of girls is 3 : 2, what is the average marks scored by the girls?

(a)

97

(b)

94

(c)

96

(d)

95

Answer: (d)

10.

There are two numbers such that the first number is twice the second number. If their average is 30, then what is the positive difference between the two numbers?

(a)

20

(b)

10

(c)

15

(d)

25

Answer: (a)

11.

The following bar chart shows the number of pens (in '000s) sold by 6 different shops during a given year.



If the cost of each pen is ₹4.50, then what is the average revenue earned per shop?

(a)

₹92,000

(b)

₹96,000

(c)

₹84,000

(d)

₹90,000

Answer: (d)

13.

In an examination, 85% of the students passed. If 75 stu[illegible]n how many students appeared for the examination?

(a)

540

(b)

500

(c)

520

(d)

480

Answer: (b)

14.

Simplify the following expression.

$$15 - \{4 - (4 - 1)\} + 27$$

(a)
38
(b)
41
(c)
40
(d)
42

Answer: (b)

15.

The area of a trapezium shaped field is 1785 square feet. The distance between the two parallel sides is 35 feet and one of the parallel sides is 42 feet long. What is the length of the other parallel side?

(a)
60 feet
(b)
35 feet
(c)
65 feet
(d)
40 feet

Answer: (a)

17.

The average of 5 terms is 15. If the first 4 terms are 12, 17, 23 and 8, what will be the fifth term?

(a)
30
(b)
15
(c)
22
(d)
20

Answer: (b)

19.

Two cubes, each having a total surface area of 150 cm^2, are joined together to form a cuboid. Find the total surface area of the resulting cuboid.

(a)

$225\ cm^2$

(b)

$250\ cm^2$

(c)

$275\ cm^2$

(d)

$300\ cm^2$

Answer: (b)

20.

Samira can do a piece of work in 9 days. Sujata can do $\frac{1}{3}$ of the same work in 3 days. If Samira worked alone for 2 days and left, then, in how many days can Sujata alone complete the remaining work?

(a)

7 days

(b)

8 days

(c)

9 days

(d)

12 days

Answer: (a)

21.

If a person purchases an item at ₹3,000 and he sells it at 10% profit, then find the selling price of the item.

(a)

₹3,200

(b)

₹3,100

(c)

₹3,300

(d)

₹3,400

Answer: (c)

22.

Walking towards a bus stop at $\frac{5}{7}$ of his usual speed, Rakesh missed the bus by 10 minutes. What is the usual time that Rakesh takes to reach the bus stop just in time for the bus?

(a)
30 minutes
(b)
20 minutes
(c)
15 minutes
(d)
25 minutes

Answer: (d)

24.

The length of a rectangle is 4 times of its breadth. If the area of the rectangle is 576 cm^2, then what is the perimeter of this rectangle?

(a)
112 cm
(b)
60 cm
(c)
56 cm
(d)
120 cm

Answer: (d)

General Awareness

1. Who among the following freedom fighters of India was assassinated?

(a) Jawaharlal Nehru
(b) Mahatma Gandhi
(c) Nana Sahib
(d) Bal Gangadhar Tilak

Answer: (b)

2. _____ was a Sarod player.

(a) Buddhadev Das Gupta
(b) Bhajan Sopori
(c) Annapurna Devi
(d) Pt. Shiv Kumar Sharma

Answer: (a)

3. Which of the following is NOT an example of an abiotic component of the ecosystem?
   (a) Soil
   (b) Wind
   (c) Rainfall
   (d) Animal
   Answer: (d)

4. Manu writes about a sea which is so salty that it is very difficult to drown in it. Which sea is it?
   (a) Arabian Sea
   (b) Dead Sea
   (c) Green Sea
   (d) Red Sea
   Answer: (b)

5. Which of the following is the only active volcanic island in India?
   (a) Amindivi Island
   (b) Laccadive Island
   (c) Minicoy Island
   (d) Barren Island
   Answer: (d)

6. Which of the following compounds are also known aliphatic compounds?
   (a) Aromatic compounds
   (b) Acyclic compounds
   (c) Cyclic compounds
   (d) Benzenoid compounds
   Answer: (b)

7. The Parliament of India is divided into _____ houses.
   (a) Five
   (b) Three
   (c) Four
   (d) Two
   Answer: (d)

8. What does the R stand for in MICR?
   (a) Recognition
   (b) Reader
   (c) Route
   (d) Request
   Answer: (a)

9. Megasthenes was an ambassador who was sent to the court of _____ by the _____ ruler.

(a) Chandragupta Maurya, Greek

(b) Babur, Greek

(c) Shah Jahan, Chinese

(d) Sikandar Lodhi, Chinese

Answer: (a)

10. A person is said to be in marginal employment if s/he has worked for fewer than _____ months in the year preceding the Census.

(a) 12

(b) 6

(c) 3

(d) 9

Answer: (b)

11. Which of the following Articles of the Indian Constitution provides protection of life and personal liberty ?

(a) Article 21

(b) Article 370

(c) Article 57

(d) Article 250

Answer: (a)

12. What is the length of the side-line in field-hocke

(a) 91.4 m

(b) 72.3 m

(c) 110.0 m

(d) 102.1 m

Answer: (a)

13. Which of the following novels is authored by EM Forster?

(a) Invisible Man

(b) Don Quixote

(c) A passage to India

(d) Beloved

Answer: (c)

14. To which of the following classes do parrots belong?

(a) Mammalia

(b) Reptilia

(c) Aves

(d) Amphibia

Answer: (c)

15. Which of the following is a traditional masked dance of West Bengal?

(a) Kavadi
(b) Gidda
(c) Gambhira
(d) Jawara

Answer: (c)

16. The Lai Haraoba Festival is celebrated by the _____.

(a) Khasis
(b) Sumis
(c) Meiteis
(d) Deoris

Answer: (c)

17. Who among the following was the first transgender Bharatanatyam dancer to receive Padma Shri in 2019?

(a) Naaz Joshi
(b) Laxmi Narayan Tripathi
(c) Manjamma Jogati
(d) Narthaki Nataraj

Answer: (d)

18. Which of the following is NOT a cause of unemployment in India?

(a) Slow economic growth
(b) Increase in labour force
(c) Lack of infrastructure development
(d) Lack of housing facilities

Answer: (d)

19. Who among the following was NOT one of Akbar's 'Navratna' (nine gems)?

(a) Raja Man Singh
(b) Abul Fazal
(c) Raja Todarmal
(d) Rana Amar Singh

Answer: (d)

20. Which Mughal monument was built by the Mughal emperor Aurangzeb in the memory of his wife, Dilras Banu Begum?

(a) Taj Mahal
(b) Bibi Tomb
(c) Rani Ki Vav
(d) Bibi Ka Maqbara

Answer: (d)

21. As on February 2022, who among the following was recently appointed as the UGC Chairman?

(a) M Jagadesh Kumar

(b) Rajiv Saran

(c) Jagjeevan Desai

(d) Ravindra Katoti

Answer: (a)

22. Which of the following statements is correct regarding Simon commission?
I. In 1927, the British government in England decided to send a commission headed by Lord Simon to decide India's Political future.
II. The commission had no Indian representative.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

23. Which team did Australia defeat in the final of ICC Men's T20 World Cup final played in November 2021?

(a) New Zealand

(b) England

(c) India

(d) Pakistan

Answer: (a)

24. The HVJ pipeline does NOT run through t[illegible] of _____.

(a) Rajasthan

(b) Gujarat

(c) Madhya Pradesh

(d) Karnataka

Answer: (d)

25. In March 2022, the _____ campaign was launched by Gajendra Singh Shekhawat, the Union Minister of Jal Shakti, for greywater management.

(a) Donate-a-Pension

(b) Sujalam 2.0

(c) SAMARTH

(d) Stand Up India

Answer: (b)

Answer key

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

General English

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

General Intelligence and Reasoning

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

Numerical Aptitude

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

General Awareness

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