PREVIOUS YEAR PAPER

SSC MTS 2021 — 11 July 2022, Shift 2

SSC MTS & Havaldar · 11 July 2022 · 1:00 PM - 2:30 PM

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

Left out of the original paper: 14 (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 11 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-2021-11-jul-shift-2/

General English

1. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

It is a story about Mr. and Mrs. Ansari, who had look to rent an apartment in the city.

(a) is looking to
(b) No substitution required
(c) were looking for
(d) were looking to

Answer: (d)

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

Innate

(a) Learnt
(b) Inured
(c) Inane
(d) Inherent

Answer: (d)

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

It was raining cats and dogs when I reached there.

(a) Lots of appreciation
(b) To rain very heavily
(c) Not raining at all
(d) Place full of animals

Answer: (b)

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

The expression of a wish that misfortune or doom befall a person

(a) Curse
(b) Praise
(c) Blessing
(d) Oath

Answer: (a)

6. 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.

The students looked confused, / so the teacher / explain the topic again.

(a) explain the topic again
(b) so the teacher
(c) No error
(d) The students looked confused

Answer: (a)

7. Select the most appropriate ANTONYM of the underlined word in the given sentence.

It is important to verify the credibility of an online ma[illegible]'s program.

(a) serenity
(b) improbability
(c) integrity
(d) accuracy

Answer: (b)

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

The girl ran into the house to get some _____ of bread, cold potatoes and other such morsels as were suitable for the fowls.

(a) heaps
(b) shells
(c) crumbs
(d) bars

Answer: (c)

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

Your district is exposed to _____ and also to destructive floods.

(a) draught
(b) dot
(c) drought
(d) draft

Answer: (c)

10. Select the correctly spelt word.

(a) Monotanous
(b) Meticulious
(c) Narrative
(d) Exilerate

Answer: (c)

11. Select the correctly spelt word.

(a) Privelege
(b) Indispensable
(c) Persaverance
(d) Inadvertant

Answer: (b)

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

Officials said thousands of office-goers were _____the Metro, and the trains were running full during peak hours.

(a) fasting
(b) running
(c) taking
(d) adapting

Answer: (c)

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

Your doctor will recommend a treatment <u>based to the types</u> of infection.

(a) basing of the type
(b) bases to the types
(c) No improvement required
(d) based on the type

Answer: (d)

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

Frail

(a) Unreliable
(b) Fresh
(c) Robust
(d) Fragile

Answer: (c)

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

Luxuriant

(a) Meagre
(b) Sparse
(c) Flourishing
(d) Combative

Answer: (c)

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

Sun Tzu says that _____ the enemy without battle requires greater skill than winning on the battlefield.

(a) defeated
(b) defeating
(c) in defeating
(d) defeat

Answer: (b)

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

A place for ammunition and weapons

(a) Arena
(b) Abattoir
(c) Arsenal
(d) Aviary

Answer: (c)

18. Parts of the following sentence have been given as options. 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.

One of the most important tasks in agriculture is turning the soil and loosening it.

(a) No error
(b) the soil and loosening it
(c) in agriculture is turning
(d) One of the most important tasks

Answer: (a)

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

Property left to someone by a will

(a) Prophecy
(b) Legacy
(c) Alimony
(d) Windfall

Answer: (b)

Passage — for questions 21–25

> In the following passage, some words have been delet[illegible]. Read the passage carefully and select the most appropriate option to fill in each blank.
>
> More (1) _____ half the States (2) _____ Union Territ[illegible]s, including Covid-19 hotspots Maharashtra and Tamil Nadu, have not yet decided on a date (3) ___reopening schools, the Centre was told at a meeting. The remaining States are split be[illegible] th[illegible]e (4) _____ to reopen in August, (5) _____ include Delhi and Bihar, and others who will not open u[illegible]eptember, such as Andhra Pradesh, Karnataka and Kerala.

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

(a) where
(b) than
(c) then
(d) when

Answer: (b)

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

(a) though
(b) yet
(c) or
(d) and

Answer: (d)

23. Select the most appropriate option to fill in blank number 3.
    (a) at
    (b) since
    (c) for
    (d) from
    Answer: (c)

24. Select the most appropriate option to fill in blank number 4.
    (a) willing
    (b) will
    (c) wills
    (d) willed
    Answer: (a)

25. Select the most appropriate option to fill in blank number 5.
    (a) whom
    (b) which
    (c) whose
    (d) what
    Answer: (b)

General Intelligence and Reasoning

1. In a certain code language, 591 means 'sky is blu[illegible]256 means 'sea is deep', and 609 means 'sea looks blue'. Which number is the code for '[illegible]' in [illegible]t language?
    (a) 0
    (b) 9
    (c) 1
    (d) 5
    Answer: (b)

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

18 – 60 ÷ 45 + 6 × 128 = 138
    (a) + and ×
    (b) + and ÷
    (c) × and –
    (d) – and =
    Answer: (a)

3. Z, Y, X, W and V are sitting on a sofa facing north. Z is sitting immediately next to Y. X is sitting immediately next to W. V is sitting on the leftmost seat. X is at the second position from the right. Z and X are sitting together.Who is sitting at the middle position?

(a) Z

(b) X

(c) U

(d) W

Answer: (a)

4. 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.

I81 : K121 :: D16 : F36 :: O225 : ?

(a) P256

(b) P265

(c) Q289

(d) R324

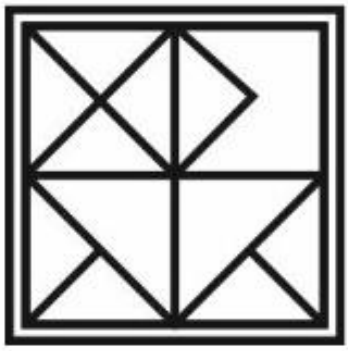
Answer: (c)

5.

Select the option in which the given figure is embedd (Rotation is not allowed)



(a)



(b)



(c)



(d)



Answer: (a)

6. Which two digits should be interchanged in the giv equation to make it mathematically correct?

20 ÷ 7 × 2 + 5 − 3 = 12

(a) 2 and 3

(b) 7 and 5

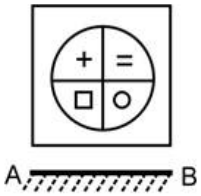
(c) 7 and 2

(d) 2 and 5

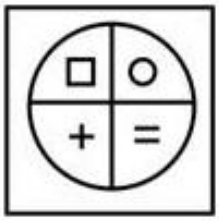
Answer: (b)

7.

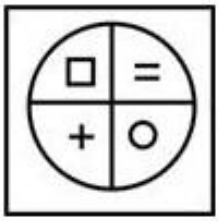
Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.



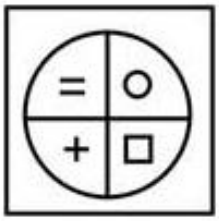
(a)



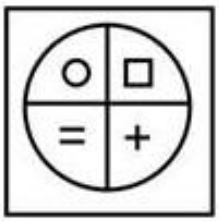
(b)



(c)



(d)



Answer: (a)

8.

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



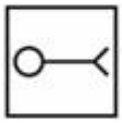
(a)



(b)



(c)



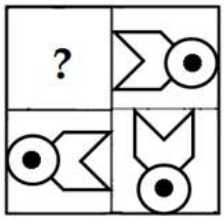
(d)



Answer: (d)

9.

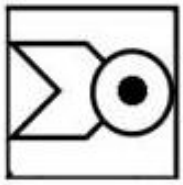
Select the figure from the options that can replace the question mark (?) and complete the given pattern.



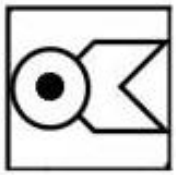
(a)



(b)



(c)



(d)



Answer: (a)

10. 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. Some X are B. II. Some Y are X.

Conclusions: I. Some B are Y.
II. Some B are X.
III. Some X are Y.

(a) Only conclusions II and III follow

(b) Only conclusion II follows

(c) Only conclusion III follows

(d) Only conclusions I and II follow

Answer: (a)

12. In a certain code language, 'TRAIN' is coded as ‘14911820' and 'POLIT' is coded as ‘209121516'. How will 'SHNKE' be coded in that language?

(a) 51114819

(b) 5114819

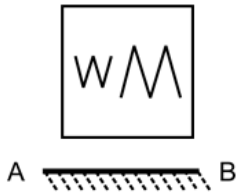
(c) 51114919

(d) 51411819

Answer: (a)

13.

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



(a)



(b)



(c)



(d)



Answer: (c)

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

48, 52, 61, 77, 102, ?

(a) 148

(b) 238

(c) 138

(d) 128

Answer: (c)

15. Select the option in which the words share the same relationship as that shared by the given pair of words.

Desert : Sand

(a) Sea : Water

(b) River : Ship

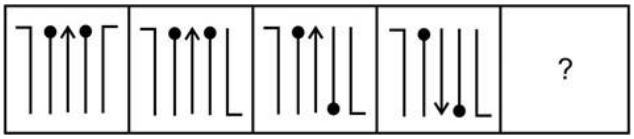
(c) Mud : Forest

(d) Respiration : Air

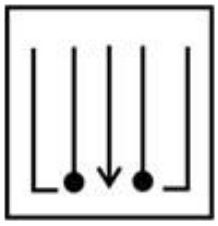
Answer: (a)

16.

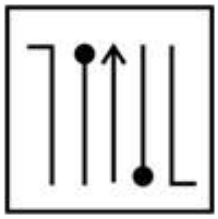
Select the figure from among the given options that can replace the question mark (?) in the following series.



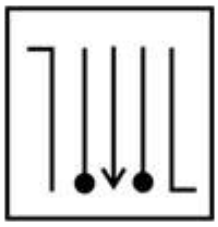
(a)



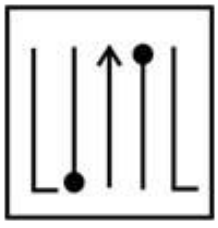
(b)



(c)



(d)



Answer: (c)

17. In a certain code language, 'BOOK' is coded as '47', and 'PEN' is coded as '38'. How will 'NOTEPAD' be coded in that language?

(a) 84
(b) 82
(c) 75
(d) 80

Answer: (b)

18. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

TANK : NATK :: ?

(a) KORB : ROBK
(b) LEFT : ELFT
(c) PING : NIPG
(d) SAMP : AMSP

Answer: (c)

19. 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 fourth number is related to third number.

63 : 36 :: 94 : 49 :: 81 : ?

(a) 18
(b) 54
(c) 36
(d) 44

Answer: (a)

20. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ZC, XF, VI, TL, ?

(a) RO
(b) RQ
(c) LQ
(d) KO

Answer: (a)

21. Seven friends A, B, C, D, E, F and G study in the same college. F and G are second eldest and eldest respectively, between them. E is elder than only A and C. D is the fourth eldest. A is not the youngest. How many friends are older than E?

(a) 2
(b) 1
(c) 3
(d) 4

Answer: (d)

23. Numbers given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing number pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

1331 : 11 :: ?

(a) 2197 : 13

(b) 10 : 1000

(c) 3375 : 14

(d) 1728 : 15

Answer: (a)

24. If JPG = 19 and PNG = 23, then TIF = ?

(a) 23

(b) 20

(c) 15

(d) 13

Answer: (a)

25. 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.

3462 : 2250 :: 4424 : 3212 :: 2424 : ?

(a) 1221

(b) 1122

(c) 2211

(d) 1212

Answer: (d)

Numerical Aptitude

1.

₹4,500 is divided among four friends in the ratio of $\frac{1}{6} : \frac{1}{4} : \frac{1}{3} : \frac{1}{2}$. What is the amount received by the person who got the smallest share?

(a)

₹1,100

(b)

₹600

(c)

₹500

(d)

₹800

Answer: (b)

2.

A hemispherical bowl of radius 30 cm is filled with water by using a cylindrical glass. If the water from the cylindrical glass is poured 72 times to fill the bowl completely and the height of the glass is 10 cm, then what is the base radius of the cylindrical glass?

(a)

7.5 cm

(b)

8 cm

(c)

5 cm

(d)

6 cm

Answer: (c)

3.

Reema went to a shopping mall to buy a gift. She saw a shop giving successive discounts of 50% and 30%, and from there selected a gift whose MRP was ₹1,700. How much did Reema have to pay to buy the gift?

(a)

₹255

(b)

₹850

(c)

₹340

(d)

₹595

Answer: (d)

6.

A solid copper sphere of radius 6 cm is melted and redrawn into a wire, whose radius of cross-section is 8 cm. Find the length of the wire.

(a)

9 cm

(b)

2.25 cm

(c)

4.5 cm

(d)

6 cm

Answer: (c)

7.

The average age of a husband and his wife 3 years ago was 39 years. The average age of the husband, wife and their child 2 years hence will be 34 years. Find the present age of the child.

(a)

12 years

(b)

16 years

(c)

15 years

(d)

18 years

Answer: (a)

8.

The selling price of an article is four times of its cost price. If the selling price is reduced by ₹300, then the profit becomes 250%. What is the cost price of the article?

(a)

₹400

(b)

₹450

(c)

₹800

(d)

₹600

Answer: (d)

11.

The marks obtained by 5 children in a test are as follows:12, 14, 8, 10 and 16. What is the average marks obtained by these 5 children?

(a)

11

(b)

14

(c)

10

(d)

12

Answer: (d)

14.

The perimeter of a square is 36 cm. What is the length of each side of this square?

(a)

9 cm

(b)

6 cm

(c)

8 cm

(d)

12 cm

Answer: (a)

15.

Train P crosses train Q completely in 45 seconds, while running in opposite directions. The lengths of train P and train Q are 1200 metres and 1500 metres, respectively. The speed of train Q is 144 km/h. In how much time can train P cross an 1800-metre long platform?

(a)

180 seconds

(b)

175 seconds

(c)

120 seconds

(d)

150 seconds

Answer: (d)

16.

If 20 men can complete a piece of work in 18 days working 5 hours per day, in how many days can 25 men complete it, working 6 hours per day?

(a)

10 days

(b)

13 days

(c)

11 days

(d)

12 days

Answer: (d)

17.

What is the value of $[0.7 \times 0.4 \div (0.28 - 0.2 \times 0.3) + 1.2 \times 1.6]$?

(a)

$\frac{878}{275}$

(b)

$\frac{1161}{550}$

(c)

$\frac{1273}{550}$

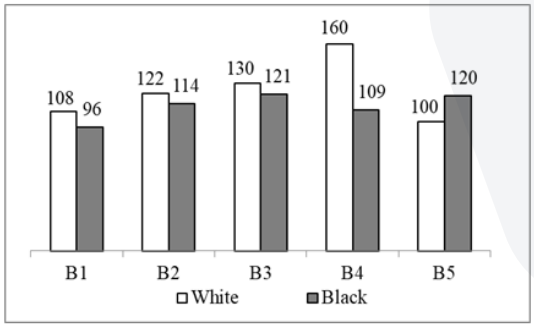
(d)

$\frac{971}{275}$

Answer: (a)

19.

The following bar chart shows the numbers of white and black cars sold of 5 different brands in a city during a given year.



X = Average number of black cars sold per brand.

Y = Average number of white cars sold per brand.

What is the value of Y – X?

(a)

20

(b)

18

(c)

12

(d)

16

Answer: (c)

21.

The lengths of the three sides of a triangle are in the ratio of 2 : 2 : 3. If the perimeter of the triangle is 42 cm, then what is the length of the largest side?

(a)

12 cm

(b)

18 cm

(c)

20 cm

(d)

15 cm

Answer: (b)

23.

If an article is sold at a 6% profit instead of a 6% loss, the seller gets ₹60.72 more. Find the CP of the article?

(a)

₹506

(b)

₹606

(c)

₹572

(d)

₹672

Answer: (a)

24.

What is the value of $\dfrac{\frac{1}{2}\times\frac{1}{24}\div\frac{1}{36}+\frac{1}{48}-\frac{1}{60}}{\frac{1}{12}+\frac{1}{24}+\frac{1}{36}\times\frac{1}{6}}$?

(a)

$\frac{1841}{119}$

(b)

$\frac{1629}{280}$

(c)

$\frac{1131}{124}$

(d)

$\frac{733}{145}$

Answer: (b)

25.

J_1 can do a piece of work alone in 10 days, J_2 can do the same work alone in 12 days, while J_3 can do it alone in 15 days. They work together and complete the work, and receive ₹1,250 for doing the work. What is the difference in the shares of J_1 and J_3?

(a)

₹450

(b)

₹400

(c)

₹300

(d)

₹350

Answer: (c)

General Awareness

1. Who among the following was one of the founders of the Deccan Education Society (1884)?
   (a) Dadoba Pandurang
   (b) V R Shinde
   (c) Tulsi Ram
   (d) G G Agarkar
   Answer: (d)

2. Who became the Chief Minister of Punjab after the 2022 state elections?
   (a) Bhagwant Mann
   (b) Sukhbir Singh Badal
   (c) Charanjit Singh Channi
   (d) Raghav Chadha
   Answer: (a)

3. Who among the following founded the Mohammedan Anglo-Oriental college?
   (a) Sri Aurobindo
   (b) Mohammad Ali Jinnah
   (c) Khan Abdul Ghaffar Khan
   (d) Sir Syed Ahmad Khan
   Answer: (d)

4. One Astronomical Unit and one Parsec are units of _____.
   (a) current
   (b) mass
   (c) length
   (d) volume
   Answer: (c)

5. _____ was the first Indian woman to become the president of the Indian National Congress.
   (a) Sarojini Naidu
   (b) Aruna Asaf Ali
   (c) Sucheta Kripalani
   (d) Ashalata Sen
   Answer: (a)

6. Sonal Mansingh was awarded the Sangeet Natak Akademi Award in 1987. She is a trained _____ dancer.
   (a) Manipuri
   (b) Kuchipudi
   (c) Odissi
   (d) Bihu
   Answer: (c)

7. As per Census 2011, what is the female literacy rate of India (provide an approximate range)?

(a) 80-89%
(b) 70-79%
(c) 60-69%
(d) 50-59%

Answer: (c)

8. Which cultural festival of India held at Shilpgram, is a ten day feast of classical dances, folk art and light music?

(a) Taj Mahotsav
(b) Natyanjali Utsav
(c) Nishagandhi Festival
(d) Mamallapuram Utsav

Answer: (a)

9. Which of the following is NOT a part of Buddhist stupas?

(a) Harmika
(b) Gopura
(c) Anda
(d) Chhatra

Answer: (b)

10. With which of the following countries does India not share a land border?

(a) Bangladesh
(b) China
(c) Myanmar
(d) Sri Lanka

Answer: (d)

11. Which ancient Indian sport pits crowds of brave young men against angry bulls?

(a) Kho-Kho
(b) Jallikattu
(c) Kabaddi
(d) Mallakhamb

Answer: (b)

12. In which year was the Border Roads Organisation established?

(a) 1954
(b) 1966
(c) 1960
(d) 1958

Answer: (c)

13. The Pradhan Mantri Garib Kalyan Anna Yojana has been approved extension by the Union Cabinet till:

(a) January 2023
(b) October 2022
(c) September 2022
(d) November 2022

Answer: (c)

14. Pt Hariprasad Chaurasia is a well-known:

(a) tabla-player
(b) sitarist
(c) vocalist
(d) flautist

Answer: (d)

15. Since which year did the IPL start?

(a) 2010
(b) 2007
(c) 2008
(d) 2009

Answer: (c)

16. As of 2021, Which is the only country in the world that has both tigers and lions?

(a) Tanzania
(b) India
(c) Mexico
(d) South Africa

Answer: (b)

17. Rajya Sabha is chaired by _____ whereas Lok Sabha is chaired by _____.

(a) President, Prime Minister
(b) Vice President, Speaker
(c) Speaker, Vice-President
(d) Vice - President, Prime minister

Answer: (b)

18. Which of the following is NOT a polar animal?

(a) Ringed seals
(b) Musk oxen
(c) Lemur
(d) Walrus

Answer: (c)

19. Which of the following statements is/are correct?
I. Amoeba ingests its food with the help of pseudopodia.
II. Amoeba constantly changes its shape and position.

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

Answer: (d)

20. In 1526, Babur defeated the Sultan of Delhi, Ibrahim Lodi, at _____ and captured Delhi and Agra.

(a) Mathura
(b) Malwa
(c) Lahore
(d) Panipat

Answer: (d)

21. Which of the following cell organelles is also known as the 'suicide bag' of a cell?

(a) Lysosome
(b) Ribosome
(c) Vacuole
(d) Mitochondria

Answer: (a)

22. The Parliament while in session begins with a _ _.

(a) zero hour
(b) recess
(c) question hour
(d) calling attention motion

Answer: (c)

23. Kuchipudi is a classical dance form of which Indian state?

(a) Kerala
(b) Karnataka
(c) Tamil Nadu
(d) Andhra Pradesh

Answer: (d)

24. Which of the following is an asset that the borrower owns (such as land, building, vehicle, livestocks, deposits with banks) and uses this as a guarantee to a lender until the loan is repaid?

(a) Frills
(b) Lease
(c) Collateral
(d) Credit

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

General Intelligence and Reasoning

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

Numerical Aptitude

1	**(b)**	2	**(c)**	3	**(d)**	6	**(c)**	7	**(a)**	8	**(d)**
11	**(d)**	14	**(a)**	15	**(d)**	16	**(d)**	17	**(a)**	19	**(c)**
21	**(b)**	23	**(a)**	24	**(b)**	25	**(c)**				

General Awareness

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