PREVIOUS YEAR PAPER

SSC MTS 2021 — 15 July 2022, Shift 3

SSC MTS & Havaldar · 15 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 15 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-2021-15-jul-shift-3/

General English

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

Flared

(a) Darkened
(b) Radiated
(c) Flamed
(d) Glared

Answer: (a)

2. Select the most appropriate ANTONYM of the give ord.

Impolite

(a) Courteous
(b) Superior
(c) Uncivil
(d) Blunt

Answer: (a)

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

Of or relating to the moon

(a) Solar
(b) Platonic
(c) Fatal
(d) Lunar

Answer: (d)

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

A clinical thermometer consists of a long, narrow, uniform glass tube.

(a) consisting of a
(b) No improvement required
(c) consist of a
(d) consisted in a

Answer: (b)

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

Move the goalposts

(a) Unfairly alter the conditions or rules of a procedure during its course
(b) To do your research and understand clearly what your goals are
(c) To put a lot of effort into something
(d) To move the goalpost after an attempt has been made to score a goal

Answer: (a)

6. Parts of the given 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.

I have watched a lot of students excel in online cour , taking fully advantage of the convenience.

(a) excel in online courses, taking fully
(b) advantage of the convenience
(c) I have watched a lot of students
(d) No error

Answer: (a)

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

Stop crying for the moon and start coming up with some sensible demands.

(a) To understand the hidden meaning
(b) To make money unfairly
(c) To make an impractical or unreasonable request
(d) To praise one's efforts

Answer: (c)

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

Artful

(a) Prudent
(b) Benign
(c) Ignorant
(d) Crafty

Answer: (d)

9. 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.

Age doesn't seeming to diminish our capacity to speak, write and learn new things.

(a) Age doesn't seeming to
(b) No error
(c) write and learn new things
(d) diminish our capacity to speak

Answer: (a)

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

Fasting _____ some festivals increases the consumpt of fruits.

(a) during
(b) while
(c) when
(d) about

Answer: (a)

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

Da Vinci's paintings reveal an obsessive fascination with _____ rituals, like those of the Freemasons.

(a) Magnetic
(b) Pathetic
(c) Static
(d) Enigmatic

Answer: (d)

12. 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.

Sometimes we interact to people who are closed-minded and not willing to listen.

(a) to people who are closed-minded
(b) and not willing to listen
(c) Sometimes we interact
(d) No error

Answer: (a)

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

A system of government by the wealthy class

(a) Theocracy
(b) Plutocracy
(c) Autocracy
(d) Democracy

Answer: (b)

14. Select the option that corrects the misspelt words in the given sentence.

My freind is blessed with perfect gines.

(a) My friend is blessed with perfct gines.
(b) My freind is bllessed with perfct gines.
(c) My freind is blesed with perfect gene
(d) My friend is blessed with perfect genes.

Answer: (d)

15. Select the correctly spelt word.

(a) Telivision
(b) Televison
(c) Televisoin
(d) Television

Answer: (d)

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

Antibiotics <u>are one off the</u> most commonly prescribed drugs in the world.

(a) No improvement required
(b) are one of a
(c) are one of the
(d) is one of the

Answer: (c)

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

She refused to back _____, so she was fired from the company.

(a) down
(b) over
(c) upon
(d) into

Answer: (a)

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

You is not allowed to sit here without permission.

(a) has not allowed
(b) are not allowed
(c) is no allowing
(d) No improvement required

Answer: (b)

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

Tenderness

(a) Ruthlessness
(b) Severity
(c) Kindness
(d) Spitefulness

Answer: (c)

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

The Intergovernmental Panel on Climate Change (IPCC) _____ the idea of 'tipping points' two decades ago.

(a) introduced
(b) shortened
(c) wounded
(d) withdrawn

Answer: (a)

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.
>
> Delhi's meteorology (1) _____ the quantity of chaff burnt play a greater role in (2) _____ air quality than the time chosen by farmers in Punjab to start crop burning, a study argues. Crop burning, a traditional practice in Punjab and Haryana of (3) _____ fields off rice chaff to prepare for winter sowing, begins around October and (4) _____ in November, coinciding with the (5) _____ of southwest monsoon.

21. Select the most appropriate option to fill in blank number 1.
    (a) among
    (b) and
    (c) yet
    (d) but
    Answer: (b)

22. Select the most appropriate option to fill in blank number 2.
    (a) worsening
    (b) worsens
    (c) worsen
    (d) worse
    Answer: (a)

23. Select the most appropriate option to fill in blank number 3.
    (a) racing
    (b) raising
    (c) rising
    (d) razing
    Answer: (d)

24. Select the most appropriate option to fill in blank number 4.
    (a) leaks
    (b) creaks
    (c) falls
    (d) peaks
    Answer: (d)

25. Select the most appropriate option to fill in blank number 5.
    (a) availing
    (b) managing
    (c) running
    (d) withdrawal
    Answer: (d)

General Intelligence and Reasoning

1. In a certain code language, 'O' is coded as '15' and 'ADD' is coded as '9'. How will 'PURE' be coded in that language?

(a) 60
(b) 58
(c) 57
(d) 59

Answer: (a)

2. P, Q, R, S, T, U and V are seven friends who scored different marks in a test. Scores of only two people lies between the scores of S and P with score of P greater than S. . R scored the highest marks. T scored more than Q. U and V scored second least and the least marks respectively. Who scored the fourth highest marks?

(a) P
(b) Q
(c) R
(d) S

Answer: (b)

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

2041 : 346 :: 5310 : ?

(a) 664
(b) 732
(c) 516
(d) 956

Answer: (b)

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

WUE, XXG, YAI, ?

(a) ZDK
(b) ZOK
(c) ZBH
(d) ZAJ

Answer: (a)

5. Select the number that will come next in the following series.

2, 4, 7, 11, 16, ?

(a) 22
(b) 21
(c) 20
(d) 23

Answer: (a)

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

Money : Wallet

(a) Books : Cardboard
(b) Bag : Box
(c) Safety: Locker
(d) Letter : Envelop

Answer: (d)

7. 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 bottles are jugs. All jugs are cups.

Conclusions:
I. All bottles are cups.
II. All cups are bottles.

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

Answer: (c)

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

12 ÷ 3 − 2 + 5 × 4 = 23

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

Answer: (b)

9. 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: Some belts are leathers. All leathers are skins. Some skins are white.

Conclusions:
I. Some belts are skins.
II. Some belts are white.

(a) Either conclusion I or II follows

(b) Neither conclusion I nor II follows

(c) Only conclusion II follows

(d) Only conclusion I follows

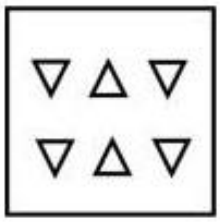
Answer: (d)

10.

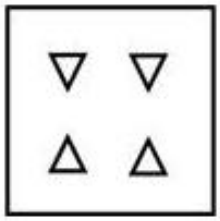
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



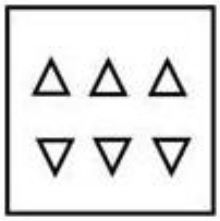
(a)



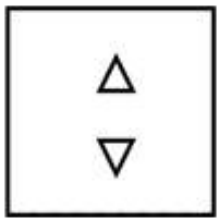
(b)



(c)



(d)



Answer: (c)

11. 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.

(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)

2 : 16 :: 3 : 81 :: 6 : ?

(a) 1326

(b) 1296

(c) 1666

(d) 1524

Answer: (b)

12. In a certain code language, 'ABKN' is coded as '84', and 'PNCL' is coded as '135'. How will 'HONT' be coded in that language?

(a) 181

(b) 171

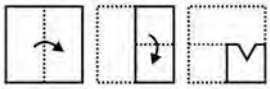
(c) 169

(d) 147

Answer: (b)

13.

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?



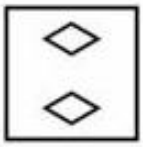
(a)



(b)



(c)



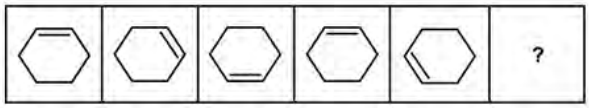
(d)



Answer: (a)

14.

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



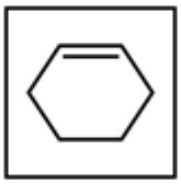
(a)



(b)



(c)



(d)



Answer: (a)

15. Six girls are sitting in two straight rows, facing the North. Their names are Farah, Urvashi, Yukti, Kritika, Neha and Mudita. Farah and Mudita are sitting diagonally opposite. Urvashi is in the top row and to the immediate right of Farah. Kritika is second to the left of Mudita while Yukti and Kritika are not in the same row. Who is sitting diagonally opposite to Yukti?

(a) Urvashi

(b) Kritika

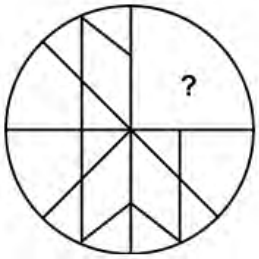
(c) Mudita

(d) Neha

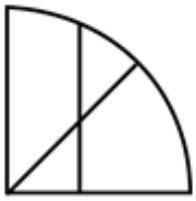
Answer: (b)

16.

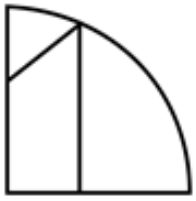
Select the figure from the options that can replace the question mark (?) and complete the pattern.



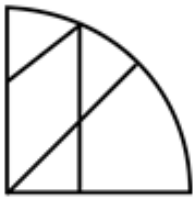
(a)



(b)



(c)



(d)



Answer: (c)

17. 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.

SACRIFY : ARFYICS :: NUMERAL : UEALRMN :: SHALLOW : ?

(a) HLLWOAS

(b) HLOWLAS

(c) HLOLAWS

(d) HLWLASO

Answer: (b)

18. What will come in the place of '?' in the following equation, if '×' and '–' are interchanged and also '+' and '÷' are interchanged?

60 + 2 – 3 × 4 ÷ 2 = ?

(a) 90
(b) 88
(c) 45
(d) 27

Answer: (b)

19. Six friends are sitting around a circular table facing the centre. Dilip is immediate neighbour of both Priya and Payal. Priti is immediate neighbour of both Mukesh and Leela. Payal is sitting to the immediate right of Mukesh. Who is sitting to the immediate right of Priya?

(a) Dilip
(b) Payal
(c) Leela
(d) Mukesh

Answer: (c)

20. In a certain code language, '456' is written as 'sky is high', '678' is written as 'sky has dark', and '147' is written as 'star is dark'. What is the code for the word 'star' in that language?

(a) 4
(b) 1
(c) 7
(d) 5

Answer: (b)

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

CAM : EES :: OAT : QEZ :: TOI : ?

(a) USO
(b) VTO
(c) VSO
(d) VSP

Answer: (c)

22.

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



(a)



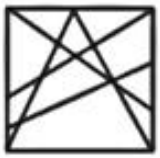
(b)



(c)



(d)



Answer: (b)

23. If ORDER = $*5@* and MATTER = 2&33@*, then ROAD = ?

(a) $*5&

(b) $$5&

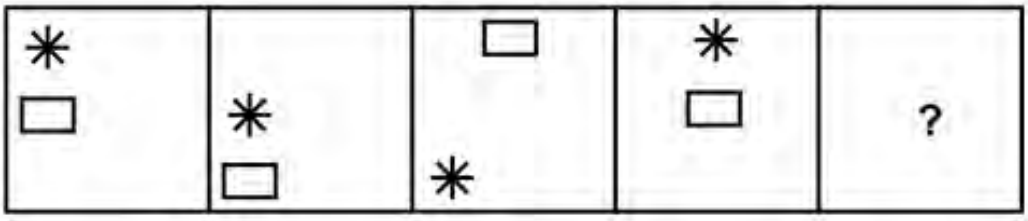
(c) *$&5

(d) #*5$

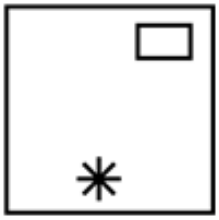
Answer: (c)

24.

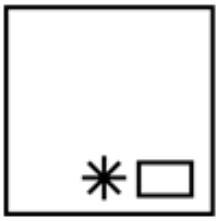
Select the figure that will come next in the following figure series.



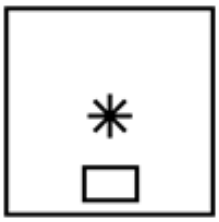
(a)



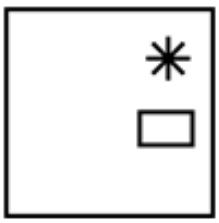
(b)



(c)



(d)



Answer: (c)

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

78, 89, 82, 87, 84, ?

(a) 88

(b) 86

(c) 80

(d) 78

Answer: (b)

Numerical Aptitude

3.

Two cylinders have their heights in the ratio 1 : 2 and their radii in the ratio 2 : 1. What is the ratio of their volumes?

(a)

3 : 1

(b)

1 : 3

(c)

2 : 1

(d)

1 : 2

Answer: (c)

5.

A train crosses a stationary pole in 20 seconds and a bridge in [illegible] If the length of the bridge is 1200 metres, then what is the speed of the train?

(a)

360 km/h

(b)

180 km/h

(c)

270 km/h

(d)

450 km/h

Answer: (a)

6.

If $a : b = b : c$, then what is the value of $a^6 : b^6$?

(a)

$a^3 : b^3$

(b)

$b^3 : ac$

(c)

$a^3 : c^3$

(d)

$a^2 : b^2$

Answer: (c)

9.

What percentage above the cost price should a seller mark his goods so that, after allowing a discount of 20% on the marked price, he can earn a profit of 4%?

(a)

25%

(b)

28%

(c)

42%

(d)

30%

Answer: (d)

10.

What is the value of $(3 \div 4)$ of $20 + 16 \div 2 - \{(1 \div 3)$ of $12 + (2 \div 5)$ of $25\}$?

(a)

8

(b)

7

(c)

10

(d)

9

Answer: (d)

11.

A number X is 60% of the average of 20, 28 and 36. What is the value of the number X?

(a)

29.5

(b)

16.8

(c)

25.6

(d)

15.5

Answer: (b)

12.

An aeroplane covers a distance of 900 km in 1.5 hours. What is the speed of the aeroplane?

(a)

500 km/h

(b)

300 km/h

(c)

600 km/h

(d)

400 km/h

Answer: (c)

13.

If the average of 20, 40, 50, Y and Z is 45, then what is the average of Y and Z?

(a)

58.5

(b)

57.5

(c)

56.5

(d)

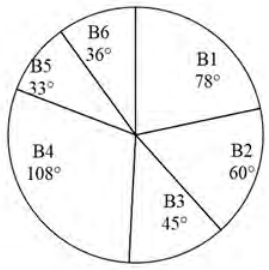
55

Answer: (b)

16.

Study the given pie-chart and answer the question that follows.

The following pie chart shows the sectors representing the shares of the number of chairs produced in a given year of each of six different brands in terms of the central angles (in degrees) with respect to the total number of chairs produced in that year of all the six brands taken together.



If the total number of chairs produced of these six brands taken together is 7200, then what is the total number of chairs produced of brands B2 and B3 taken together?

(a)

1750

(b)

2400

(c)

2100

(d)

1800

Answer: (c)

17.

What is the greatest number which divides 784 and 857 and leaves the remainders 4 and 2, respectively?

(a)

3

(b)

5

(c)

30

(d)

15

Answer: (d)

20.

What is the value of $\frac{7}{11} \div \frac{21}{33} \times \frac{5}{12} + \frac{10}{36} \times \frac{6}{11} \div \frac{18}{33}$?

(a)

$\frac{29}{35}$

(b)

$\frac{25}{36}$

(c)

$\frac{28}{39}$

(d)

$\frac{24}{41}$

Answer: (b)

21.

The length of each side of a rhombus is 10 cm. If the length of one of its diag is 16 cm, then what is the area of the rhombus?

(a)

$108\ cm^2$

(b)

$112\ cm^2$

(c)

$128\ cm^2$

(d)

$96\ cm^2$

Answer: (d)

24.

5% की वार्षिक दर से उधार दी गई ₹6,000 की राशि पर प्राप्त साधारण ब्याज कितने वर्षों में, 4% की वार्षिक दर से 30 वर्षों के लिए उधार दी गई ₹2000 की राशि पर प्राप्त साधारण ब्याज के बराबर होगा?

(a)

6 वर्ष

(b)

12 वर्ष

(c)

20 वर्ष

(d)

8 वर्ष

Answer: (d)

General Awareness

1. Who will be India's next Foreign Secretary as announced in April 2022?

(a) Harsh Vardhan Shringla
(b) Dr S Jaishankar
(c) Sushma Swaraj
(d) Vinay Mohan Kwatra

Answer: (d)

2. Which of the following is the least literat[illegible]ndia according to Census 2021?

(a) Gujarat
(b) Bihar
(c) Assam
(d) Odisha

Answer: (b)

3. 'Gangaur' is an Indian festival majorly celebrated in _____.

(a) Rajasthan
(b) Himachal Pradesh
(c) Tripura
(d) Arunachal Pradesh

Answer: (a)

4. Which of the following is categorised under slow mass movement in geomorphic processes?

(a) Creep
(b) Earthflow
(c) Mudflow
(d) Landslide

Answer: (a)

5. Prarthana Samaj or 'Prayer Society', a religious and social reform, was found in 1863 at _____.

(a) Pune
(b) Delhi
(c) Surat
(d) Bombay (now Mumbai)

Answer: (d)

6. National Sports Day of India is celebrated on _____.

(a) 15 August
(b) 26 January
(c) 30 January
(d) 29 August

Answer: (d)

7. Who among the following was a Shaka ruler in India (130-150 AD)?

(a) Ashoka
(b) Rudradaman
(c) Menander
(d) Bindusara

Answer: (b)

8. Which part of the Indian Constitution has been dra[illegible]rom the British Constitution?

(a) Fundamental Rights and the Directive Princip[illegible] of State Policy
(b) Principle of Cabinet Government and the re[illegible]ons between the executive and the legislature
(c) Appointment of state governors by t[illegible]
(d) Federation with a strong centre

Answer: (b)

9. According to the Census 2011, which of the following is the third-lowest state in terms of literacy rate?

(a) Bihar
(b) Madhya Pradesh
(c) Rajasthan
(d) Sikkim

Answer: (c)

10. _____ is a disease which is transmitted by the Aedes mosquito which lays eggs in water-logged places and multiply over time.

(a) Diarrhoea
(b) Elephantiasis
(c) Dengue
(d) Malaria

Answer: (c)

11. Which type of forest receives more than 200 cm of annual rainfall?
    (a) Temperate mixed forests
    (b) Taiga
    (c) Tropical evergreen rain forests
    (d) Tundra forests
    Answer: (c)

12. What was the shape of the Great Bath of Mohenjo Daro?
    (a) Rectangular
    (b) Square
    (c) Elliptical
    (d) Circular
    Answer: (a)

13. BR Ambedkar wrote a 20-page autobiography about his experiences with untouchability which is known as _____.
    (a) All from Memory
    (b) My Experiments with Silence
    (c) Waiting for a Visa
    (d) Courage and Conviction
    Answer: (c)

14. Kelucharan Mohapatra is associated with _____ ance form of India.
    (a) Kathak
    (b) Hiphop
    (c) Odissi
    (d) Salsa
    Answer: (c)

15. Who was the founder of the reform movement, Arya Samaj?
    (a) Swami Dayananda Saraswati
    (b) Raja Ram Mohan Roy
    (c) Anand Mohan Bose
    (d) MG Ranade
    Answer: (a)

16. What does F stand for in the FRBM Act, 2003 of the Indian economy?
    (a) Financial
    (b) Fiscal
    (c) Functional
    (d) Freedom
    Answer: (b)

17. Which of the following laws is applicable to the force of attraction or repulsion between two point charges?

(a) Kirchhoff's Law
(b) Newton's Law of Universal Gravitation
(c) Coulomb's Law
(d) Newton's Laws of Motion

Answer: (c)

18. Which of the following is an example of Phylum Annelida of Animal Kingdom?

(a) Honey bee
(b) Earthworm
(c) Squid
(d) Kangaroo

Answer: (b)

19. Which state government launched the Udaan Project in collaboration with IPE Global which attempts to keep girls in schools through their enrolment at the secondary level while ensuring that the eligible ones among them get their scholarships?

(a) Maharashtra
(b) Assam
(c) Rajasthan
(d) Punjab

Answer: (c)

20. The World Health Organisation defines 'adolescents' as individuals in the age-group of _____.

(a) 10 to 19 years
(b) 8 to 15 years
(c) 12 to 16 years
(d) 6 to 14 years

Answer: (a)

21. Pandit Shiv Kumar Sharma is associated with _____ musical instrument.

(a) piano
(b) sarod
(c) harmonica
(d) santoor

Answer: (d)

22. Who is the first Law officer of India?

(a) President
(b) Governor
(c) Prime Minister
(d) Attorney-General

Answer: (d)

23. Who among the following rulers was chronicled by Minhaj-i Siraj?

(a) Akbar

(b) Razia Sultan

(c) Babur

(d) Ghiyasuddin Tughluq

Answer: (b)

24. For which dance form did Aparna Satheesan win the Prestigious National Nritya Shiromani Award 2022?

(a) Kuchipudi

(b) Mohiniyattam

(c) Kathakali

(d) Odissi

Answer: (a)

25. In basketball, what can be the maximum number of points that can be scored in a shot?

(a) 1

(b) 3

(c) 4

(d) 2

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

General Intelligence and Reasoning

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

Numerical Aptitude

3	**(c)**	5	**(a)**	6	**(c)**	9	**(d)**	10	**(d)**	11	**(b)**	12	**(c)**	13	**(b)**								
16	**(c)**	17	**(d)**	20	**(b)**	21	**(d)**	24	**(d)**														

General Awareness

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