



DRONESHWAR DEFENCE ACADEMY

Air force Group Y – Memory Based Paper Shift 1st

(15 July 2021)

Total Time: 45 minutes

Total Marks : 50

Instructions

S.No	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks	Sectional Timing
1	English	20	20	0.25	1	20 Min
2	RAGA	30	30	0.25	1	25 Min

English

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

ABANDON

(a) Quit (b) Resign (c) Surrender (d) Acquire

2. Direction: Verb form of 'Adorable' is _____

**(a) Adoration (b) Adore
(c) Adornment (d) None of these**

3. Direction: Given below is a short passage followed by some items based on the passage. First, read the passage and answer the items based on it. You are required to select your answers based on the contents of the passage and the opinion of the author only.

WHO is bringing the world's scientists and global health professionals together to accelerate the research and development process, and develop new norms and standards to contain the spread of the coronavirus pandemic and help care for those affected. The R&D Blueprint has been activated to accelerate diagnostics, vaccines and therapeutics for this novel coronavirus. The solidarity of all countries will be essential to ensure equitable access to COVID-19 health products.



DRONESHWAR DEFENCE ACADEMY

WHO is gathering the latest international multilingual scientific findings and knowledge on COVID-19. The global literature cited in the WHO COVID-19 database is updated daily (Monday through Friday) from searches of bibliographic databases, hand searching, and the addition of other expert-referred scientific articles.

The most suitable title of the passage would be:

- (a) Global research on coronavirus
- (b) Literature survey of coronavirus
- (c) Global research on multilingual scientific findings
- (d) Global research on therapeutics

4. What is the purpose of WHO?

- (a) to boost up the research work to control the spread of coronavirus pandemic.
- (b) to boost up the vaccination drive
- (c) to motivate people to wear masks
- (d) to determine the root cause of coronavirus

5. What is the basic necessity to confirm the equal distribution of COVID-19 health products?

- (a) more production of COVID - 19 health products
- (b) less production of COVID - 19 health products
- (c) agreement between the countries
- (d) disagreement between the countries

6. Which of the following words could replace the word 'solidarity' as used in the passage?

- (a) unanimity
- (b) division
- (c) anonymous
- (d) disharmony



DRONESHWAR DEFENCE ACADEMY

7. Direction: Choose the correct alternative which can be substituted for the given sentence.

One with unlimited power

- (a) Chirographer (b) Autocrat
(c) Funambulist (d) Obstetrician

8. Choose the appropriate answer for the given sentence:

He agreed _____ me.

- (a) upon (b) to (c) with (d) none of these

9. Direction: Choose the appropriate answer for the given sentence:

The train runs _____ Mumbai and New Delhi.

- (a) From (b) for (c) towards (d) between

10. Direction: Choose the correct meaning of the following phrase/idiom:

Good things come to those who wait

- (a) Be curious (b) Be furious
(c) Be satisfied (d) Be patient

11. They have built a perfect dam across the river.

- (a) A perfect dam have been built by them across the river.
(b) A perfect dam had been built by them across the river.
(c) A perfect dam has been build by them across the river.
(d) A perfect dam has been built by them across the river.

12. Direction: Change the Narration-

The boys said, "Hurrah! We have won the match".

- (a) The boys exclaimed with joy that they had win the match.
(b) The boys exclaimed with joy that they had won the match



DRONESHWAR DEFENCE ACADEMY

(c) The boys exclaimed with joy that they have won the match.

(d) The boys exclaimed with joy that they has won the match.

13. Direction: Fill in the blank with the correct answer:

You _____ wasting your parent's money

(a) are (b) is (c) was (d) None of these

14. Direction: Fill in the blank with the correct answer:

There is no limit _____ human desires.

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

15. Direction: Find out which part has an error and mark it as your answer. If there is no error, mark 'No error' as your answer.

I inquired of him (A) / why he is so negligent (B) / in his studies. (C) / No error (D)

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

16. Direction: In the following sentences, four words or phrases have been underlined. One of them is incorrect. Choose the incorrect word or phrase from the options.

Mathematics will taught in his school by Rahul Sir.

(a) will taught (b) in (c) his school (d) By Rahul sir

17. Direction: Fill in the blank with the correct answer:

Dilip Kumar _____ film fare awards for his Indian films.

(a) received (b) will receive
(c) will be receiving (d) None of these

18. Direction: Fill in the blank with the correct answer:

You and _____ are going to meet on Sunday.

(a) me (b) I (c) him (d) None of these



DRONESHWAR DEFENCE ACADEMY

19. Direction: Choose the correct spelling of the word among the following:

Generally

- (a) Generally (b) Genarally
(c) Jenerally (d) Ganarally

20. Direction: Select the option that is similar in meaning to the given word and mark your response accordingly.

Rectify

- (a) Incorrect (b) Generate (c) Destroy (d) Correct

21. 'Indian Constitution' is adopted by the Constituent Assembly on

- (a) 15th August, 1947 (b) 26th January, 1950
(c) 26th November, 1949 (d) 2nd October, 1950

22. For which sport did Mariyappan Thangavelu won Rajiv Gandhi Khel Ratna Award 2020?

- (a) Golf (b) Kabbadi
(c) Basketball (d) Para Athletics

23. MS Excel is used for:

- (a) Documents (b) Presentation
(c) Spreadsheets (d) Sending message

24. Which Indian Prime Minister signed Panchsheel with China?

- (a) Dr. Manmohan singh (b) Mr. Narendra Modi
(c) Mr. Jawaharlal Nehru (d) Ms. Indra Gandhi

25. Kaziranga National Park is famous for

- (a) Siberian crane (b) One horned rhinoceros
(c) Snow leopard (d) Crocodile



DRONESHWAR DEFENCE ACADEMY

26. Children Day is celebrated on?

- (a) 11 November (b) 14 November
(c) 16 November (d) 17 November

27. What is the Capital of Tripura?

- (a) Aizawl (b) Imphal (c) Agartala (d) Kohima

28. If $64^{x+1} = \frac{64}{4^x}$, then the value of x is

- (a) 1 (b) 0 (c) $1/2$ (d) 2

29. The length and breadth of a rectangle is 4 cm and 3 cm respectively. A square is drawn on diagonal of rectangle. Find the area of the square.

- (a) 5 sq. cm (b) 15 sq. cm
(c) 25 sq. cm (d) 35 sq. cm

30. A train of length 300 metres, travelling at a speed of 54 km/hr crosses a signal tower at a certain time. How much should its speed be increased so that it may take 5 seconds less than its usual time?

- (a) 5 m/sec (b) 10 m/sec (c) 16 m/sec (d) 25 m/sec

31. A shopkeeper sells two sofa sets one at a loss of 15% and one at a profit of 15%, If the selling price of each sofa set is Rs. 39,100. Find the percentage gain/loss in the whole transaction.

- (a) Profit of 5% (b) Loss of 5 %
(c) Profit of 2.25% (d) Loss of 2.25%

32. If 3 women or 5 men can do a piece of work in 60 hours, then in how many hours 8 men and 12 women will complete that work?

- (a) $72/7$ (b) $91/5$ (c) $75/7$ (d) $81/7$

33. If $a : b = 2 : 3$, then what is the value of $(b^2 + 2a^2) : (b^2 - 2a^2)$?

- (a) 17 : 1 (b) 20 : 11 (c) 18 : 1 (d) 15 : 2



DRONESHWAR DEFENCE ACADEMY

34. P takes loan of Rs.9000 at the rate of simple interest 8.5% for 2 years and 8 months, then total amount to be returned by him will be

- (a) Rs 2,040 (b) Rs. 3,060 (c) Rs. 11,040 (d) Rs. 12,060

35. The value of $\sin^2 60^\circ + \tan 45^\circ - \operatorname{cosec}^2 45^\circ$ is

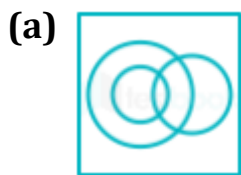
- (a) $-1/2$ (b) $-1/4$ (c) $1/4$ (d) $1/2$

36. Robert started from his house and walked 13 m east, then he takes a left and walked 7 m. Then again he takes a left and walks 8 m. He finally takes right and walked 5 m. What is the shortest distance between his house and final point?

- (a) 15m (b) 12m (c) 13m (d) 11 m

37. Identify the diagram that best represents the relationship among the classes given below

Bachelors, Teachers, Fathers



38. A series is given in the following question. Find the term that will replace the question mark. 3, 4, 7, 11, 18, 29, ?

- (a) 47 (b) 43 (c) 39 (d) 31

39. In a class of 60, the number of girls are twice that of boys. Kamal ranked seventeenth from the top. If there are nine girls ahead of Kamal, how many boys are behind him in rank?

- (a) 3 (b) 7 (c) 12 (d) 23



DRONESHWAR DEFENCE ACADEMY

40. If 'P' is replaced by '+', 'Q' is replaced by '-', 'R' is replaced by '×' and 'S' is replaced by '÷', find the value of the following expression.

70S7P21R2Q15

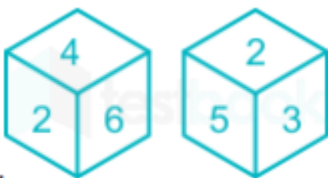
- (a) 50 (b) 37 (c) 35 (d) 28

41. Which answer figure will complete the pattern in the following question figure?



- (a)  (b) 
- (c)  (d) 

42. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. If 6 at the bottom of the dice then find the number on the face opposite to the one having 6.



- (a) 5 (b) 3 (c) 2 (d) 1

43. If the code for "GHLKN" is "3", "OPCD" is "10" then what is the code for "OPEN" ?



DRONESHWAR DEFENCE ACADEMY

(a) 8

(b) 11

(c) 12

(d) 14

44. Select the option that is related to the third term in the same way as the second term is related to the first term.

Paediatrics : children :: neurology : ?

(a) heat

(b) eyes

(c) brain

(d) veins

45. Find the missing terms in the given series

G2X, J4V, M8T, ?, S32P

(a) P16R

(b) P85

(c) N64S

(d) Q16R

46. In a certain code language, MAHARAJA is written as ZNUNENWN. How will RAINDROP be coded as in that language?

(a) ENVAQEBC

(b) ENVAQBC

(c) ENAVAQEBC

(d) EVNAQEBC

47. In the following question, select the missing number from the given series. 49, 46, 43, 40, ?, 34

(a) 38

(b) 37

(c) 36

(d) 39

48. Choose the alternative which is an odd word/number/letter pair out of the given alternatives.

(a) Momentum

(b) Acceleration

(c) Velocity

(d) Energy

49. Choose the mirror image of the following A!B@C#D\$E%

A ! B @ C # D \$ E %
A
B

(a) # E \$ D % C @ B ! A

(b) # E \$ D % C @ B ! A

(c) % E \$ D # C @ B ! A

(d) V I B @ C # D \$ E %



DRONESHWAR DEFENCE ACADEMY

50. Pointing to Geeta, Ram said, "His sister's mother is the daughter-in-law of my father's mother." How is Geeta's mother related to Ram?

- (a) Mother
- (b) Sister
- (c) Aunt
- (d) Sister - in - law

