



DRONESHWAR DEFENCE ACADEMY

Air force Group Y – Memory Based Paper Shift 3rd

(14 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 synonym of the given word.

- (a) Useless (b) Airless (c) Effective (d) Calm

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

Replicate

- (a) Duplicate (b) Produce (c) Demolish (d) Promise

3. Select the most appropriate antonym of the given word.

Timid

- (a) Afraid (b) Scared (c) Fearful (d) Fearless

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

She is one of _____ doctors who served during the COVID 19 pandemic.

- (a) a (b) an (c) them (d) the

5. Choose the word that can substitute the given sentence.

Soldiers who fight on horse back

- (a) Captain (b) Pilot (c) Major (d) Cavalry



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6. In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

- (a) Aggrression (b) Aggrresion
(c) Aggression (d) Agrresson

7. Some parts of the sentence have errors and some are correct. Find out which part has an error and mark that part as your answer. If there are no errors, mark 'No error' as your answer.

Each of the students were given a chance to prove his talent.

- (a) Each of the students were (b) Given a chance to
(c) Prove his talent (d) No error

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

One of my friends _____ the owner of the house.

- (a) Are (b) Is (c) were (d) have

9. Choose the option that is in the indirect form of the sentence.

Deepak said to me, "I shall come to the office tomorrow."

- (a) Deepak told me that he would come to the office the next day
(b) Deepak told me that he should come to the office the next day.
(c) Deepak told me that he shall come to the office the next day.
(d) Deepak told me that he will come to the office the next day.

10. Direction: Read the passage given below and answer the question that follows: Communication is made up of more than just the words we use. It's maintaining eye contact with the person you're talking to, slouching on a video call, or your hand movements as you speak. Non-verbal cues such as tone of voice, gestures, and posture, all play their part. In this article, we define what body language is – and how you can interpret it to understand and communicate with people more effectively. Body language is the unspoken element of communication that we use to reveal our true feelings and emotions. It's the



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relaxed facial expression that breaks out into a genuine smile – with mouth upturned and eyes wrinkled. It can be a tilt of the head that shows you're listening, sitting, or standing upright to convey interest, or directing attention with hand gestures. It can also be taking care to avoid a defensive, arms-crossed posture, or restlessly tapping your feet. When you can "read" signs like these, you can understand the complete message of what someone is telling you. You'll be more aware of people's reactions to what you say and do. And you'll be able to adjust your body language to appear more positive, engaging, and approachable.

What is the most suitable title for the passage?

- (a) Communication and its importance
- (b) Ways to communicate
- (c) Ways to calm your mind
- (d) Body language and its interpretation

11. What are the non-verbal cues?

- (a) dancing, talking and singing
- (b) voice, standing and talking
- (c) tone of voice, gesture and posture
- (d) talking, laughing and arguing

12. You'll be able to adjust your body language to appear.

- (a) more negative and non-engaging
- (b) more sophisticated and annoying
- (c) more negative and unapproachable
- (d) more positive engaging and approachable

13. Which of the following words could replace the word 'aware' as used in the passage?

- (a) keen
- (b) aweless



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(c) cogent

(d) apprehensive

14. 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.

A sum of thousand rupees (A)/ are a large sum of money (B)/to earn in a month. (C)/ No error (D)

(a) A

(b) B

(c) C

(d) D

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

Does a boy like you if he smiled ____ you?

(a) at

(b) on

(c) of

(d) None of these

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

When she was young, she ____ write poetry

(a) can

(b) could

(c) will

(d) None of these

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

She wants to become _____ doctor

(a) a

(b) an

(c) the

(d) None of these

18. Direction: Change the Voice-

The driver was blowing the horn.

(a) The horn were being blown by the driver

(b) The horn was been blown by the driver

(c) The horn was being blown by the driver

(d) The horn was been blowed by the driver.

19. Direction: Choose the most appropriate word and fill in the blank:

_____ weight gain or weight loss is not good for your body

(a) Explosive

(b) Excessive

(c) Expressive

(d) Eager



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

- (a) Terrifing (b) Terrifeing
(c) Terifying (d) Terrifying

21. The cost price of an article is 75% of the marked price. If a discount of 15% is allowed, then the profit or loss percentage is:

- (a) 12.44% loss (b) 15% profit
(c) 15.55% loss (d) 13.33% profit

22. The cost price of 14 articles is equal to the selling price of 10 articles. Find the gain per cent.

- (a) 20% (b) 40% (c) 30% (d) 10%

23. A bag contains 8 red ball and 12 orange ball. If a ball is drawn from the bag, then find the probability that the ball is red ball.

- (a) $1/5$ (b) $3/5$ (c) $2/5$ (d) $4/5$

24. Twenty percent of Anuj's annual salary is equal to seventy-five percent of Raj's annual salary. If Raj's annual salary is 60% of Ravi's monthly salary and Ravi's annual salary is 1.44 Lakh. then what is Anuj's annual salary?

- (a) Rs 5,400 (b) Rs 27,000
(c) Rs 32,4000 (d) Rs 2,70,000

25. $\frac{885 \times 885 \times 885 + 115 \times 115 \times 115}{885 \times 885 + 115 \times 115 - 885 \times 115} =$

- (a) 115 (b) 770 (c) 885 (d) 1000

26. A car travelling at 40 km/hr completes a journey in 5 hours. At what speed will it have to cover the same distance in 8 hours?

- (a) 80 km/hr (b) 40 km/hr (c) 35 km/hr (d) 25 km/hr

27. What is the value of $\tan 6^\circ \tan 36^\circ \tan 84^\circ \tan 54^\circ \tan 45^\circ$?

- (a) $1/2$ (b) $1/\sqrt{2}$ (c) 1 (d) $1/3$



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28. Area of a circle is equal to the area of a rectangle. Perimeter of rectangle is 150 cm. If length is 9 cm more than the breadth, then what will be the radius of circle ?

- (a) 21 cm (b) 10.5 cm (c) 42 cm (d) 28 cm

29. In April 2021, the Central Empowered Committee said it does not find any justification for undertaking the rail double-tracking project in Goa. Who is the CM of Goa?

- (a) Shripad Naik (b) Pramod Sawant
(c) Rohan Khaunte (d) Vijai Sardesai

30. Who was the founder of Nanda Dynasty?

- (a) Dana Nanda (b) Shiva Nanda
(c) Sishunag Nanda (d) Mahapadma Nanda

31. Fundamental rights in the Indian constitution have been taken from the

- (a) Russian constitution (b) U.S. constitution
(c) British constitution (d) Act of 1935

32. When and by whom was the relief package of Rs. 1.70 Lakh Crore under Pradhan Mantri Garib Kalyan Yojana announced?

- (a) on 26 March 2020 by Nirmala Sitharaman
(b) on 12 May 2020 by Narendra Modi
(c) on 12 May 2020 by Nirmala Sitharaman
(d) on 26 March 2020 by Narendra Modi

33. Pankaj Advani is related to which game?

- (a) Cricket (b) Hockey (c) Billiards (d) Shooting

34. Who is the author of the novel 'War and Peace'?

- (a) Fyodor Dostoyevsky (b) Leo Tolstoy



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(c) Alexander Pushkin

(d) Mikhail Gorbachev

35. The Kolar Gold Fields is located in which state?

(a) Maharashtra

(b) Haryana

(c) Gujarat

(d) Karnataka

36. In a row of 30 boys, X is 10th from the right end and there are 10 people between X and Y. What is Y's position from the left end of the row?

(a) 10

(b) 11

(c) 12

(d) 9

37. In a certain code language, 'PENCIL' is written as 'CEILNP' and 'FROST' is written as 'FORST'. How will 'DUSTBIN' be written in that language?

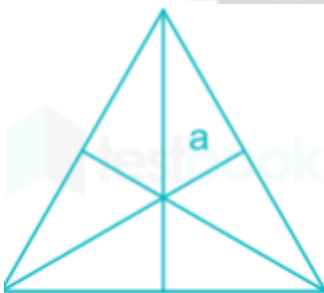
(a) BDINSUT

(b) BDNISTU

(c) DIBNSTU

(d) BDINSTU

38. How many triangles are there in the following figure.



(a) 16

(b) 17

(c) 15

(d) 9

39. What will come in place of question mark (?) in the following series?

2, 3, 6, 15, 42, ?

(a) 112

(b) 123

(c) 122

(d) 125

40. Pointing to a woman in the photo, Keshav said 'This is a photo of my mother's only son's father's younger sister'. How is the person in the photo related to Keshav?

(a) Wife

(b) Paternal Aunt

(c) Sister

(d) Mother



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41. Directions: Given below are the positions of the same dice having numbers 1, 2, 3, 4, 5 and 6



Which number occurs on the face opposite the face having 4?

- (a) 5 (b) 6 (c) 2 (d) 3

42. Select the option figure that can replace the question mark (?) in the given figure to complete the pattern.

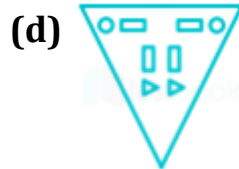
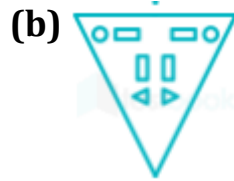
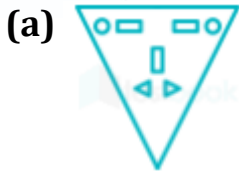


43. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figure. How would this paper look when unfolded?





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44. Arrange the following words according to the dictionary order:

(1) Programmer

(2) Progress

(3) Permanent

(4) Persistent

(a) 3, 5, 4, 2, 1

(b) 4, 5, 2, 1, 3

(c) 5, 3, 1, 2, 4

(d) 2, 4, 5, 3, 1

45. Choose the correct mirror image of the given problem figure when the mirror is placed to the left of the figure.

FRY2k8LT

(a) FRY2k8LT

(b) FRY2k8LT

(c) TL8k2YRF

(d) TL8k2YRF

46. What will be the acute angle between the hour-hand and the minute-hand at 8:30 p.m?

(a) 74.5

(b) 79.5

(c) 75

(d) 74

47. Four words have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(a) Road

(b) Brake

(c) Clutch

(d) Steering

48. Find the missing number in the series given below.

5S, 10R, 20Q, 40P, ?



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(a) 80 O

(b) 50P

(c) 90 O

(d) 110 T

49. Select the option that is related to the third term on the same basis as the second term is related to the first term.

GBXD : 19 :: LNRA : ?

(a) 18

(b) 21

(c) 19

(d) 20

50. Niharika walks 8 km towards East and then walks 13 km back, then she turns left and walks 4 km, then walks 5 km after turning left, she again turns left and walks 3 km. How far is she from the starting point?

(a) 3 km

(b) 6 km

(c) 2 km

(d) 1 km

