



DRONESHWAR DEFENCE ACADEMY

Air force Group Y – MBT - Previous Year Paper

(4 November 2020)

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 segment of the sentence that contains a grammatical error. If there is no error, mark 'No error' as your answer.

Towns after towns (A)/ was (B)/devastated. (C) / No error (D)

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

2. Direction: In the following question, some parts of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

He had no illusion of (A)/ being either a distinguished writer (B)/ or a editor. (C)/ No error (D)

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

3. Given below is a sentence. Find the part that contains an error. If there is 'No error', choose 'no error' an answer.

My mother does not like me coming late at night.

(a) My mother (b) does not like me coming
(c) late at night (d) No error

4. Fill in the blanks with appropriate words:

Do you want _____ you?



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Abrupt

- (a) Sudden (b) Ample (c) Expected (d) Exact

10. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

Compatible

- (a) Equal (b) Friendly
(c) Agreeable (d) Quarrelsome

11. In the following question, out of the four alternatives, choose the alternative which best expresses the meaning of the idiom/Phrase.

At sea

- (a) To be completely confused
(b) To be on vacation
(c) To have motion sickness
(d) To feel the waves

12. In the following question, four words are given out of which one word is incorrectly spelt.

Find the incorrectly spelt word.

- (a) Battalian (b) Sufficient
(c) Tremendous (d) Vaccination

13. Find the wrongly spelt word

- (a) Sanctity (b) Variety (c) Anxeity (d) Purity

14. Choose the most appropriate word that can substitute the given group of words.

A group of ships



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- (a) Bevy (b) Fleet (c) Suite (d) Army

15. Out of the four alternatives, select the alternative which is the best substitute of the phrase.

A place where pigs are kept.

- (a) Cage (b) Sty (c) Hive (d) Mint

16. Direction- In the following question, parts of a sentence have been jumbled and labelled as P, Q, R, and S. You are required to rearrange the jumbled parts of the sentence and mark your response accordingly by selecting the correct option.

P: of fertility

Q: in the winter

R: Evergreen trees are a symbol

S: because they do not die

- (a) PSRQ (b) RPSQ (c) SRPQ (d) QSRP

17. Read the following passage and answer the following questions:

“At a restaurant, a cockroach suddenly flew from somewhere and sat on a lady. She started screaming out of fear. With a panic-stricken face and trembling voice, she started jumping, with both her hands desperately trying to get rid of the cockroach. Her reaction was contagious, as everyone in her group also got panicky. The lady finally managed to push the cockroach away but ...it landed on another lady in the group. Now, it was the turn of the other lady in the group to continue the drama. The waiter rushed forward to their rescue.

In the relay of throwing, the cockroach next fell upon the waiter. The waiter stood firm, composed himself and observed the behavior of the cockroach on his shirt. When he was confident enough, he grabbed it with his fingers and threw it out of the restaurant. Sipping my coffee and watching the amusement, the antenna of my mind picked up a few thoughts and started wondering, was the cockroach responsible for their histrionic behavior?

If so, then why was the waiter not disturbed?



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He handled it near to perfection, without any chaos. It is not the cockroach, but the inability of the ladies to handle the disturbance caused by the cockroach that disturbed the ladies. I realized that, it is not the shouting of my father or my boss or my wife that disturbs me, but it's my inability to handle the disturbances caused by their shouting that disturbs me. It's not the traffic jams on the road that disturbs me, but my inability to handle the disturbance caused by the traffic jam that disturbs me. More than the problem, it's my reaction to the problem that creates chaos in my life.

Why was the lady screaming?

- (a) Because the food she ordered was extremely hot
- (b) Because the waiter was looking horrible
- (c) Because she forgot to bring money for paying the bill
- (d) Because a cockroach suddenly flew from somewhere and sat on a lady.

18. What is the synonym of the word 'histrionic'?

- (a) Ancient
- (b) Humorous
- (c) Melodramatic
- (d) Imaginary

19. How did the waiter handle the situation?

- (a) He scolded the lady for disturbing the ambience
- (b) He informed the manager of the restaurant
- (c) He himself started screaming
- (d) He grabbed it and threw it out of the restaurant

20. What is the lesson learnt from the story?

- (a) Responding is better than reacting
- (b) One should throw everything that scares another person
- (c) Decisions taken in haste are best
- (d) One should take impulsive decision

21. Choose the correct figure which will replace the question mark?



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

22. Choose the correct figure which will replace the question mark?



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

23. Study the following pattern and select the figure that relates to the third figure in the same way that the second figure relates to the first figure:

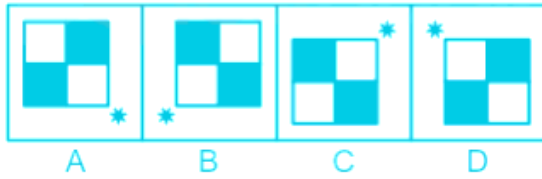
Problem figures





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Answer figures



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

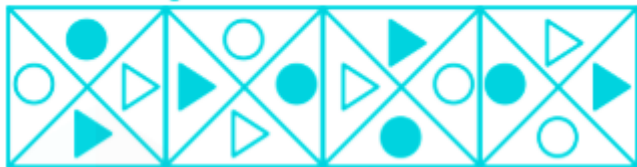
24. Choose the correct figure which will replace the question mark?



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

25. Select the answer figure that will come next in the given problem figure series.

Problem figures



Answer figures





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

26. For a standard clock, what is the angle between hour hand and the minute hand when the clock shows 9:30 am?

- (a) 250° (b) 105° (c) 150° (d) 165°

27. Select the term that relates to the third term in the same way that the second term relates to the first term.

3 : 24 :: 5 : ?

- (a) 125 (b) 120 (c) 127 (d) 130

28. In a certain code language, CLOCK is written as LCOKC. How will BLACK be written as in that language?

- (a) CKABL (b) KCALB (c) LCAKB (d) LBAKC

29. What day of the week was 2 October 1869?

- (a) Thursday (b) Friday (c) Saturday (d) Sunday

30. Find the missing number in the given figure.

5	7	4	34
7	6	5	38
9	7	?	46
3	6	8	36

- (a) 4 (b) 6 (c) 8 (d) 5

31. Direction: Read the information given below and answer the question that follows.

Teacher, Student, Banker, Lawyer, Principal, Accountant, Engineer and Soldier are sitting around a circular table facing center.

Lawyer sits exactly between Accountant and Engineer. Teacher sits four places away from Accountant. Lawyer sits opposite to Soldier. Engineer sits second to the right of Accountant. Student does not sit adjacent to Accountant, Teacher and Lawyer. Banker sits three places away from Teacher.



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Who sits third to the right of Banker?

- (a) Teacher (b) Accountant (c) Principal (d) Engineer

32. Find the wrong term in the given series:

2, 3, 6, 10, 18, 27

- (a) 10 (b) 18 (c) 6 (d) 2

33. Pointing to Kanchan, Rohit says, 'She is my brother's mother's daughter'. How is Kanchan related to Rohit?

- (a) Mother (b) Sister (c) Daughter (d) Wife

34. In a row of people, the position of A from the left side is 11th and the position of B from the right side is 12th. C is sitting midway between B and A. Also, the position of C from the right of the row is 18th. Find the total no. of persons in the row.

- (a) 36 (b) 34 (c) 30 (d) 33

35. There are five friends -S, K, M, A and R. S is shorter than K but taller than R. M is the tallest. A is a little shorter than K and little taller than S. Who has two persons taller and two persons shorter than him?

- (a) A (b) K (c) R (d) S

36. Find the value of $\cot 1^\circ \cdot \cot 2^\circ \cdot \cot 3^\circ \dots \cot 89^\circ$

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

37. The average marks scored by boys in a class is 72. The average marks of class is 77 and there are total 40 students in the class. If number of girls in class is 25 then find the average marks of girls in class.

- (a) 78 (b) 80 (c) 82 (d) 84

38. Area of square is 3/5th of area of rectangle. If sides of rectangle are 9 cm and 15 cm, then find the perimeter of the square.

- (a) 9 cm (b) 18 cm (c) 36 cm (d) 81 cm



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39. $(3.75^2 + 1.25^2 + 3.75 \times 2.5) / (3.75 + 1.25) = ?$

- (a) 2.5 (b) 5 (c) 25 (d) 1

40. If $0.25x = 0.75y$, then find the value of $(x + y)/(x - y)$

- (a) 0 (b) 1 (c) 2 (d) 4

41. Change 5.6 into percentage form.

- (a) 56% (b) 560% (c) 0.056% (d) 0.56%

42. Find HCF and LCM of 28 & 42.

- (a) 84, 14 (b) 14, 42 (c) 14, 84 (d) 42, 14

43. 5 kg honey contains 60% sugar. If 3 kg more sugar is added to it then find new sugar percentage.

- (a) 70% (b) 75% (c) 80% (d) 90%

44. Who is known as the father of modern computer?

- (a) Charles Babbage (b) Howard Aiken
(c) John Von Neumann (d) Alan Turing

45. Which female athlete is nicknamed as 'Dhing Express' after her village's name?

- (a) Hima Das (b) Mary Kom
(c) M R Poovamma (d) Sarita Gayakwad

46. Suez canal connects

- (a) Mediterranean Sea - Atlantic Ocean
(b) Red Sea - Arab Sea
(c) Mediterranean Sea - Red Sea
(d) Mediterranean Sea - Arab Sea

47. When is the International Literacy Day celebrated?



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(a) 5 September

(b) 6 September

(c) 7 September

(d) 8 September

48. Which of the following movie won the Oscar Awards 2020 for Best Picture?

(a) Once Upon a Time in Hollywood

(b) Joker

(c) Judy

(d) Parasite

49. Under which list the subject public health and sanitation comes ?

(a) Union list

(b) State list

(c) Concurrent list

(d) All of the above

50. Which among the following is the national capital of Nepal?

(a) Kathmandu

(b) Patan

(c) Janakpur

(d) Biratpur

