



DRONESHWAR DEFENCE ACADEMY

Air force Group Y – Memory Based Paper Shift 2nd

(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. Out of four alternatives, choose the one which can be substituted for the given words/sentences.

Clandestine

- (a) Religious (b) Tricky (c) Last (d) Hidden

Select the synonym of the given word.

AUTHENTIC

- (a) Dubious (b) Genuine
(c) incredible (d) Counterfeit

3. Directions: Out of four alternatives, choose the one which can be substituted for the given words/sentences.

A person who is prejudiced against women

- (a) Misogynist (b) Misanthrope
(c) Philanthropist (d) Minion

4. Directions: In the sentence identify the segment which contains the grammatical error.

The invited guests preferred orange juice than hot coffee or chilled grapes.



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- (a) or chilled grapes (b) than hot coffee
(c) preferred orange juice (d) The invited guests

5. Choose the option that is the indirect form of the sentence.

She said to Mohit, "Rohit arrived on Sunday."

- (a) She told Mohit that Rohit has arrived on Sunday
(b) She told Mohit that Rohit arrived on Sunday
(c) She told Mohit that Rohit had arrived on Sunday
(d) She said to Mohit that Rohit had arrived on Sunday

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

A snake in the grass

- (a) a deceitful or treacherous person
(b) presence of many snakes in an area
(c) an honest person
(d) a well known person

7. Direction: Read the passage carefully and answer the question that follows.

Dr. Rajendra Prasad, a statesman and social worker, was the first President of the Republic of India. He was a great educationist and a man of world fame. He was an author too. Dr Rajendra Prasad was born on 3rd December 1884 at Saran District in Bihar. His educational career was very bright.

Dr. Prasad joined Gokhale's Servant of India Society and began to do the work of social service. He started his political career as a social worker. He came under the influence of Mahatma Gandhi since the Champaran Satyagraha of 1918. He came into the light when he took a sincere part in Champaran Satyagraha. Due to his selfless service, he was called "Bihar Ka Bapu".

Throughout his life, he followed the principle of 'simple living and high thinking. When India declared a sovereign Republic, he was elected President of it and



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adored the post for two successive terms. He was the most uncontroversial figure in Indian politics. Under his presidentship, the country made all round progress and prosperity. Even in Rashtrapati Bhawan, he led the life of a simple man.

In 1962 he was at the age of 78. His health was deteriorating fast and therefore he handed over the charge of the president to Sarvapalli Dr Radhakrishnan and came to Patna to spend the rest of his life peacefully at Sadaqat Ashram. On February 28, 1963, he breathed his last. His death was a great loss for the nation.

When did Dr. Rajendra Prasad become well - known?

- (a) When he played an active role in the Champaran Satyagraha.
- (b) When India declared a sovereign Republic
- (c) When the country made all round progress under his presidency
- (d) When he entered into the politics.

8. As Dr. Rajendra Prasad's health began to deteriorate, to whom did he hand over the presidency?

- (a) Subhash Chandra Bose
- (b) Gokhale
- (c) Mahatma Gandhi
- (d) Sarvapalli Dr Radhakrishnan

9. Due to his selfless service, Dr. Rajendra Prasad was honored as

- (a) Bihar ka Gandhi
- (b) Champaran ka Babu
- (c) Bihar ka Babu
- (d) a man of world fame

10. In which year did Dr. Rajendra Prasad pass away?

- (a) 1962
- (b) 1963
- (c) 1918
- (d) 1960

11. Where did Dr. Rajendra Prasad spends his life before passing away?

- (a) at Delhi
- (b) at Saran District in Bihar
- (c) at Sadaqat Ashram
- (d) at his birth place



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12. The question below contains four scattered segments of a sentence. Indicate the sequence which correctly assembles the segments and completes the sentence.

- (a) Advaita Vedanta school enjoins
- (b) the use of Patanjali's yoga practices
- (c) and the reading of Upanishads for those
- (d) seeking the supreme good, ultimate freedom and jivanmukta

1. dbca 2. bdca 3. cadb 4. abcd 5. dabc

13. 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

14. Directions: Choose the correct preposition.

You must cover your face _____ a mask when you step out.

- (a) through
- (b) of
- (c) with
- (d) in

15. Direction: Choose the most appropriate answer and fill in the blank.

He is blind ____ his own faults.

- (a) of
- (b) to
- (c) on
- (d) for

16. Fill in the blank with the correct verb form.

I wish, I _____ a king.

- (a) was
- (b) were
- (c) would
- (d) can

17. Fill in the blank with the correct verb form.

He has just _____ the work.

- (a) finish
- (b) finished
- (c) finishing
- (d) finishes

18. Find the correctly spelled word.



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(a) Commamarate

(b) Commemorate

(c) Comemmorate

(d) Comemeret

19. Write the adjective form of the given word.

Easy

(a) Easiness

(b) Easily

(c) Uneasily

(d) easier

20. Convert the following sentence from active voice to passive voice.

Close the door

(a) The door will be closed

(b) Let the door closed

(c) Let the door be closed

(d) The door is closed

21. Which instrument is used to measure atmospheric pressure?

A. Lactometer

B. Barometer

C. Thermometer

D. Multimeter

(a) D

(b) A

(c) C

(d) B

22. Baichung Bhutia belongs to which among the following sports and states?

(a) Badminton and Assam

(b) Football and Sikkim

(c) Boxing and Assam

(d) Table Tennis and Telangana

23. What is the capital of Nagaland?

(a) Dispur

(b) Kohima

(c) Gangtok

(d) Imphal

24. Where is the Bandipur National Park located?

(a) Gujarat

(b) Sikkim

(c) Karnataka

(d) Kerala

25. Which of the following Gupta rulers is known as the 'Indian Napoleon'?

(a) Samudragupta

(b) Skandagupta

(c) Chandragupta I

(d) Chandragupta II

26. What is the expansion of WWW in relation to computers?



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A. World Wide Web

B. Web Wide World

C. Whole World Web

D. Wide Word Web

(a) B

(b) C

(c) A

(d) D

27. Teachers day is celebrated on?

(a) 1 December

(b) 5 September

(c) 15 January

(d) 10 August

28. The difference between the compound interest (compounding annually) and the simple interest on a sum of money at the rate of 40 per cent per annum for 2 years is Rs. 2400. What is the amount?

(a) Rs. 18000

(b) Rs. 15000

(c) Rs. 17500

(d) Rs 20000

29. $\frac{\sin 27^\circ \cos 63^\circ}{\cos^2 27^\circ} - \frac{\sec 27^\circ \operatorname{cosec} 63^\circ}{\tan^2 45^\circ}$

(a) 2

(b) 1

(c) 0

(d) -1

30. In a right-angled triangle, the base and hypotenuse of the triangle are 12 cm and 37 cm respectively. Find the perimeter of the triangle.

(a) 94 cm

(b) 80 cm

(c) 84 cm

(d) 96 cm

31. A trader sells his goods at a discount of 8%. He still makes a profit of 15%. In order to make a profit of 20%, how much percent discount should he allow?

(a) 3

(b) 4

(c) 3.5

(d) 5

32. If $3^{4x-2} = 729$, then find the value of x

(a) 4

(b) 3

(c) 2

(d) 5

33. X and Y together can complete a piece of work in 12 days, Y and Z can do it 18 days and X and Z can complete the same work in 15 days. If X, Y and Z can together complete the work, approximately how many days will be required to complete the work?



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(a) 12

(b) 18

(c) 14

(d) 10

34. A bag contains 15 red balls and some green balls. If the probability of drawing a green ball is $\frac{1}{6}$, then the number of green balls is

(a) 5

(b) 4

(c) 3

(d) 2

35. A 900 meter long train crosses a platform with the speed of 90 km/hr. It takes 1 minutes to cross the platform. Find the length of platform.

(a) 800 m

(b) 1000 m

(c) 600 m

(d) 900 m

36. Select the related word from the given alternatives.

Bharat Ratna : India :: Legion of Honour : ?

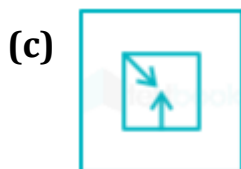
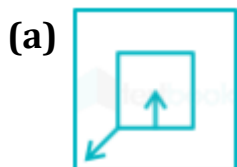
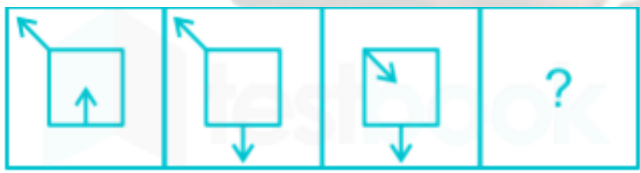
(a) France

(b) Spain

(c) Japan

(d) Brazil

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



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

(a) Intelligence

(b) Weight

(c) Aptitude

(d) Memory



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39. In a certain code language, YOUTH is coded as ZQXXM. How is WOMAN written in that code language?

- (a) WOPER (b) XQPES (c) VQOCS (d) XRQES

40. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

(1) Terminal (2) Terminology

(3) Temperature (4) Tamarind

(5) Tame (6) Tertiary

(a) 4, 5, 3, 1, 6, 2 (b) 4, 5, 1, 3, 2, 6

(c) 4, 5, 3, 2, 1, 6 (d) 4, 5, 3, 1, 2, 6

41. In the following question, select the related number from the given alternatives.

64 : 216 :: 125 : ?

- (a) 343 (b) 306 (c) 425 (d) 300

42. A series is given with one wrong term. Find out the wrong term.

CH, 11, D, 4, PA, 17, U, 20

- (a) CH (b) PA (c) U (d) 4

43. In a certain code language, "MERCURY" is written as "YRUCREM", then what is the code for "NEPTUNE" is written in that code language?

- (a) EUNTPEN (b) ENUPTEN (c) ENUTPEN (d) NETUPEN

44. Which number will replace the question mark (?) in the following series?

5, 12, 22, 46, 90, ?

- (a) 182 (b) 180 (c) 184 (d) 178

45. If the mirror is placed on line AB, then which of the answer figures is the correct image of the given figure?



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46. Directions - In these questions, select the related letters / word / number / figure from the given alternatives.

Encouragement : Victory :: Frustration : ?

(a) Stalemate

(b) Anger

(c) Failure

(d) Anxiety

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

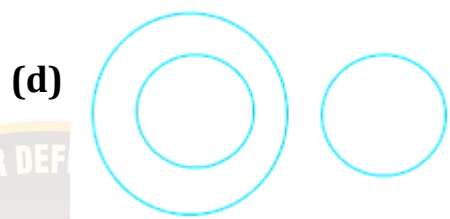
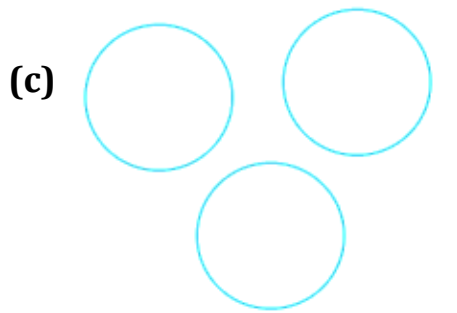
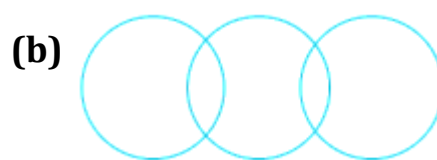
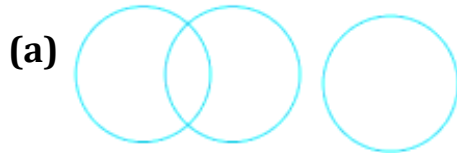




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48. Identify the Venn diagram that best represents the relationship among classes given below.

Food, Noodles, Fan



49. Select the number that can replace the question mark (?) in the following series.

6, 10, 18, 34, ?

(a) 68

(b) 64

(c) 66

(d) 70

50. Introducing a woman Nikhil said, "she is the only daughter of the father of my maternal uncle". How is the woman related to Nikhil?

(a) Mother

(b) Cousin

(c) Sister

(d) Paternal Aunt