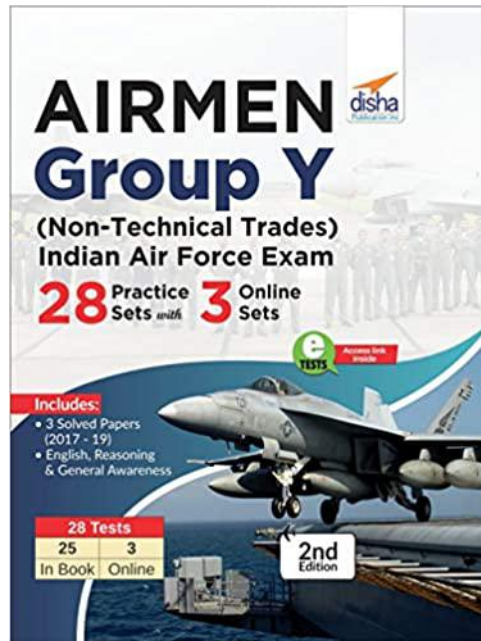


Airmen Group -Y Solved Paper 2018

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INDIAN AIR FORCE AIRMEN GROUP Y SOLVED PAPER - 2018

(Memory Based)

ENGLISH LANGUAGE

1. Find the one which best expresses the meaning of the given word.

Literal

- (a) Verbatim (b) Formal
(c) Idealistic (d) Outdated

2. Find the word opposite in meaning to the given word.

Appreciation

- (a) Aspersions (b) Admiration
(c) Commendation (d) Compliment

DIRECTIONS (Qs. 3-7) : Find the correct alternative out of the four.

3. Raju willingly _____ my request for financial assistance.
(a) complied to (b) complied with
(c) complied on (d) complied for
4. My friend _____ at seven this morning.
(a) took away (b) got up
(c) left up (d) kept up
5. A lady _____ I know helped me.
(a) who (b) whom
(c) which (d) that
6. The government has identified food processing as the key _____ rapid industrialization in Bihar.
(a) for (b) to
(c) of (d) in
7. Rajan was so tired _____ he could not walk.
(a) as (b) than
(c) that (d) still

DIRECTIONS (Qs. 8-9) : Find out which part of a sentence has an error. If a sentence is free from error, your answer is (d) i.e. No error.

8. Mohans' eyes / reflect a hope
(a) (b)

/ for a better future in Microsoft. / No error.
(c) (d)

9. He went to Mumbai / with a view /
(a) (b)

to secure a job. / No error.
(c) (d)

DIRECTIONS (Qs. 10-11) : Find the one which can be substituted for the given words/sentence.

10. Murder of a king
(a) homicide (b) fratricide
(c) regicide (d) parricide
11. A place where birds are kept
(a) Aviary (b) House
(c) Aquarium (d) Apiary
12. Find the correctly spelt word .
(a) exilarate (b) exhilerate
(c) exsilarate (d) exhilarate
13. Find the alternative which best expresses the meaning of the Idiom/Phrase.
The Cauvery water issue led to **apple of discord** between the two Governments.
(a) cause of anger (b) cause of hatred
(c) cause of quarrel (d) cause of animosity

14. Change the voice

- Who gave you permission to enter ?
(a) By whom were you given permission to enter ?
(b) By whom was you given permission to enter ?
(c) By whom you were given permission to enter ?
(d) By whom given you permission to enter ?

15. Identify the indirect speech

- He said, "Alas ! I am undone !"
(a) He said that it was his undoing
(b) He exclaimed pathetically that he was undone
(c) He stated that he was undone
(d) He cried that he was being undone

DIRECTIONS (Qs. 16-18): Read the following passages and choose the correct options.

In May 1996, the World Health Organization was authorized to initiate global campaign to eradicate small pox. The goal was to eradicate the disease in one decade. Because similar projects for malaria and yellow fever had failed, few believed that small pox mild actually be eradicate, but eleven years after the initial organization of the campaign, no cases were reported in the field. The strategy was not only to provide mass vaccination, but also to Isolate patients with active small pox in order to contain the spread of the disease and to break the chain of huff man transmission. Rewards for reporting small pox assisted in motivating the public to aid health workers. One by one, each small pox victim was sought out, removed from contact with others and treated. At the same time, the entire, village where the victim had lived was vaccinated. Today small pox is no longer a threat to humanity. Routine vaccinations have been stopped worldwide.

16. Which of the following is the best title for the passage?
 - (a) The World Health Organization
 - (b) The Eradication of small-pox
 - (c) Small pox vaccination
 - (d) Infectious diseases
17. What was the goal of the campaign against small pox?
 - (a) To decrease the spread of small pox worldwide
 - (b) To eliminate small pox worldwide in ten years
 - (c) To provide mass vaccinations against small pox worldwide
 - (d) To initiate worldwide projects for small pox, malaria and yellow fever at the same time
18. According to the paragraph what was the strategy used to eliminate the spread of small pox?
 - (a) Vaccination of the individual village
 - (b) Treatment of individual victims
 - (c) Isolation of victims and mass vaccinations
 - (d) Extensive reporting of out breaks
19. **Form an adjective from the given word**
Nice
 - (a) Nicer
 - (b) Nicing
 - (c) Nicely
 - (d) Very Nice
20. **Give the plural of the given word**
Goose
 - (a) Gooses
 - (b) Goosess
 - (c) Geese
 - (d) Gaze

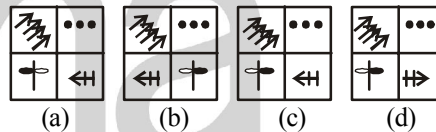
REASONING & GENERAL AWARENESS

21. Which one of the given responses would be a meaningful order of the following ?
1. Orange 2. Indigo 3. Red 4. Blue 5. Green 6. Yellow 7. Violet
 - (a) 7, 2, 4, 5, 6, 1, 3
 - (b) 7, 2, 4, 6, 5, 1, 3
 - (c) 7, 2, 6, 4, 5, 1, 3
 - (d) 7, 2, 6, 4, 1, 5, 3
22. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?
rtx _ sx _ z _ txy _ _ yz
 - (a) y y r x s
 - (b) y y s x r
 - (c) y y r s x
 - (d) y y x r s
23. Find the correct alternative from the given ones that will complete the series.

Question figures:



Answer figures :



24. Govind is 48 years old. He is twice as old as his son Prem is now. How old was Prem seven years before ?
 - (a) 16
 - (b) 17
 - (c) 13
 - (d) 18
25. Pointing to a man, a lady said "His mother is the only daughter of my mother". How is the lady related to the man?
 - (a) Mother
 - (b) Daughter
 - (c) Sister
 - (d) Aunt
26. Five policemen are standing in a row facing south. Shekhar is to the immediate right of Dhanush. Bala is between Basha and Dhanush. David is at the extreme right end of the row. Who is standing in the middle of the row?
 - (a) Bala
 - (b) Basha
 - (c) Shekhar
 - (d) Dhanush
27. From the given alternatives select the word which cannot be formed using the letters of the given word.

LEGALIZATION

- (a) ALERT (b) ALEGATION
(c) GALLANT (d) NATAL
28. In a certain code DEPUTATION is written as ONTADEPUTI. How is DERIVATION written in that code ?
(a) ONVADERITI (b) ONDEVARITI
(c) ONVAEDIRTI (d) ONVADEIRIT
29. If MADRAS is coded as 517916 and TENANT is coded as 432121, how would you encode RMATSN?
(a) 851353 (b) 951363
(c) 951462 (d) 941562
30. If '-' stands for '+', '+' stands for '×', '×' stands for '-' then which one of the following is not correct ?
(a) $22 + 7 - 3 \times 9 = 148$
(b) $33 \times 5 - 10 + 20 = 228$
(c) $7 + 28 - 3 \times 52 = 127$
(d) $44 - 9 + 6 \times 11 = 87$

DIRECTIONS (Qs. 31-32) : In questions below, select the missing number from the given responses.

31.

7	9	8
2	4	3
5	7	6
16	32	?

(a) 17 (b) 23
(c) 47 (d) 73

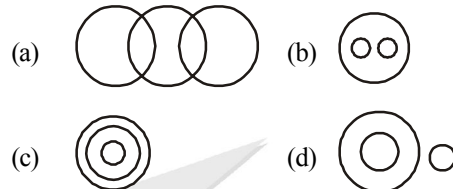
32.

3 7 81 5	2 4 64 6	4 ? 49 5
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(a) 1 (b) 8
(c) 6 (d) 16

33. A person walks towards his house at 8.00 am and observes his shadow to his right. In which direction he is walking ?
(a) North (b) South
(c) East (d) West
34. A boat moves from a jetty towards East. After sailing for 9 nautical miles, she turns towards right and covers another 12 nautical miles. If she wants to go back to the jetty, what is the shortest distance now from her present position ?

- (a) 21 nautical miles (b) 20 nautical miles
(c) 18 nautical miles (d) 15 nautical miles
35. Identify the diagram that best represents the relationship among classes given below :
Food, Curd, Spoons

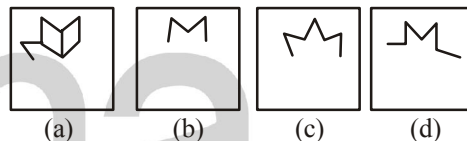


36. Which answer figure will complete the pattern in the question figure ?

Question figure:

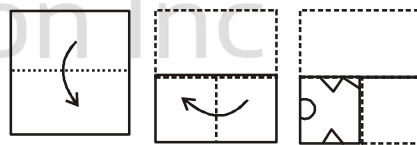


Answer figure:

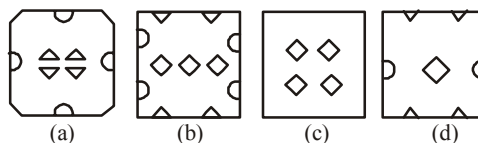


37. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figure:



Answer figures:



38. The first country which discovered sea route to India was
(a) Portugal (b) Dutch
(c) French (d) Britain
39. Who introduced the Indian University Act?
(a) Lord Curzon (b) Lord Minto
(c) Lord Morelay (d) Lord Rippon

40. The pancreas secretes
(a) Insulin (b) Bile juice
(c) Peptic juice (d) None of these
41. Purity of a metal can be determined with the help of
(a) Pascal's law
(b) Boyle's law
(c) Archimedes principle
(d) Conservation of mass principle
42. Which measure of memory is the largest ?
(a) MB Megabyte (b) GB Gigabyte
(c) TB Terabyte (d) KB Kilobyte
43. The inert gas which is substituted for nitrogen in the air used by deep sea divers for breathing is
(a) Neon (b) Krypton
(c) Argon (d) Helium
44. A trader who marks his goods up to 50% offered a discount of 20%. What % profit the trader makes after offering the payment?
(a) 30% (b) 70%
(c) 20% (d) 50%
45. A retailer buys a sewing machine at a discount of 15% and sells it for ₹1955. Thus he makes a profit of 15%. The discount is
(a) ₹270 (b) ₹290
(c) ₹300 (d) ₹310
46. Mahesh earned a profit of 20% by selling 60 apples at the rate of ₹ 42.50 for 5 apples. Then the total cost, at which the apples were bought is
(a) ₹ 452 (b) ₹ 425
(c) ₹ 450 (d) ₹ 485
47. A student goes to school at the rate of $\frac{5}{2}$ km/hr and reaches 6 minutes late. If he travels at the speed of 3 km/hr, he reaches 10 minutes earlier. The distance of the school is
(a) 45km (b) 20km
(c) 10km (d) 4km
48. Which country's passport ranked 'most powerful' in world?
(a) Japan (b) China
(c) Australia (d) US
49. Who is the author of book Straight Talk?
(a) Vengaiya Naidu
(b) Manmohan Singh
(c) Abhishek Manu Singhvi
(d) Chidambaram
50. Name the latest desktop operating system launched by Apple?
(a) macOS Mojave (b) macOS Mojo
(c) macOS Mojas (d) macOS Mojan

Hints & Explanation

1. (a) The meaning of Literal (adj.): exact, real.
"Verbatim" means exactly the same words.
2. (a) The meaning of word Appreciation (Noun) is : Thankfulness.
It's antonym should be : Aspersions, e.g, to criticise harshly.
3. (b) 4. (b) 5. (b) 6. (a)
7. (c)
8. (b) Here, Mohan's eyes reflect means it is Mohan's habit which is not the case. Hence, it should be as 'Mohan's eyes reflected...
9. (c) With a view to (doing) something because you are planning to do something in the future. Ex: We bought the house with a view to retiring there. To seeuring is correct.
10. (c) Regicide means the act of killing a king.
11. (a) Aviary is a building where birds are kept.
12. (d) Exhilarate
13. (c) Apple of discord means: cause of quarrel.
14. (a)
15. (b)
16. (b)
17. (b)
18. (c)
19. (c)
20. (a)
21. (a) These all are the colours of the rainbow. Hence meaningful order is V I B G Y O R.
22. (c) rtxy/
sxyz/
rtxy/
sxyz.
23. (c)
 - Arrows (→) are increasing by one.
 - Dots (•) are decreasing by one.
 - P element changes its position from right to left. Square alternately also changes its shaded portion also.
 - ↑ element changes its position from left to right in square after rotating 45° clockwise
24. (b) Govind's age = 48 years
According to question
Prem's age = $48/2 = 24$ years
25. (a)

Prem's age seven years before = $24 - 7 = 17$ years.

Mother
↓ (-)
Mother = Lady
↓ (-)
Man (+)

man
His mother is the
only daughter of my
mother. lady
26. (d) Standing arrangement : (facing south)

Right End ↓ ↓ ↓ ↓ ↓ Left End
David Shekhar Dhanush Bala Basha

Hence, Dhanush is standing at the middle of the row.
27. (a) ALERT can not be formed as there is no 'R' in the word LEGALIZATION. Hence, (a) is the correct choice.
28. (a)

1 2 3 4
DEPU TA TI ON

Coded → ON TA DEPU TI
4 2 1 3

Similarly,

1 2 3 4
DERI VA TI ON

Coded → ON VA DERI TI
4 2 1 3
29. (c)

M A D R A S T E N T
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Coded as → 5 1 7 9 1 6 4 3 2 1

Similarly,

R M A T S N
↓ ↓ ↓ ↓ ↓ ↓
Coded as → 9 5 1 4 6 2
30. (c) By options—

(a) $22 \times 7 + 3 - 9 = 148$
 $154 + 3 - 9$
 $157 - 9 = 148$ (Correct)

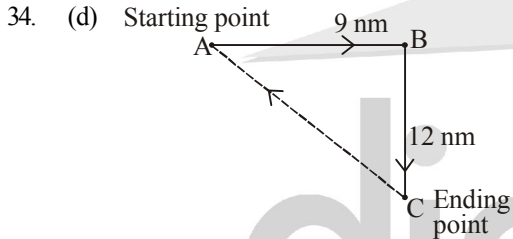
(b) $33 - 5 + 10 \times 20 = 228$
 $33 - 5 + 200$
 $200 + 33 - 5$
 $233 - 5 = 228$ (Correct)

- (c) $7 \times 28 + 3 - 52 = 127$
 $196 + 3 - 52$
 $199 - 52 = 147$ (Incorrect)
 (d) $44 + 9 \times 6 - 11 = 87$
 $44 + 54 - 11$
 $98 - 11 = 87$ (Correct)

31. (b) $7 + 2^2 + 5 = 16$
 $9 + 4^2 + 7 = 32$
 $8 + 3^2 + 6 = \textcircled{23}$

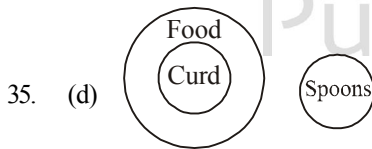
32. (c) $3 + 9 - 5 = 7$
 $2 + 8 - 6 = 4$
 $4 + 7 - 5 = \textcircled{6}$

33. (b) A person observes his shadow to his right. The sun is to his left. He is walking towards the south.



The shortest distance = $\sqrt{AB^2 + BC^2}$
 $= \sqrt{9^2 + 12^2}$
 $= \sqrt{225} = 15$

nautical miles



36. (b)
 37. (b)
 38. (a)
 39. (a)
 40. (a)
 41. (c)
 42. (c)
 43. (d)

44. (c) Let cost price of goods be 100
 Trader mark up at 50% more i.e. 150
 Selling price of goods

$= 150 - \frac{20}{100} \times 150 = 120$

Profit % = $\frac{120 - 100}{100} \times 100 = 20$

45. (c) Let original price of sewing machine be ₹ x

Retailer bought it at $x - \frac{15}{100}x = 0.85x$

$0.85x + \frac{15}{100} \times 0.85x = 1955$

$1.15 \times 0.85x = 1955$

$x = \frac{1955 \times 10000}{115 \times 85} = 2000$

Discount is $\frac{15}{100} \times 2000 = ₹ 300$

46. (b) Selling price of 5 apples = ₹ 42.50
 Selling price of 60 apples

$= \frac{42.5}{5} \times 60 = ₹ 510$

C.P + Profit = S.P

$C.P + \frac{20}{100} \times C.P = ₹ 510$

$C.P = \frac{510}{120} \times 100 = ₹ 425$

47. (d) Let original time taken by student be x hours.

$\frac{5}{2} \times \left(x + \frac{6}{60} \right) = \left(x - \frac{10}{60} \right)$

$5x + \frac{1}{2} = 6x - 1$

$x = \frac{3}{2}$ hours

∴ Distance from school

$= \frac{5}{2} \times \left(\frac{3}{2} + \frac{1}{10} \right) = 4 \text{ km}$

48. (a) 49. (c) 50. (a)