

# Air Force Airmen Group Y Exam

## Practice Set-1

### ENGLISH

**Directions (1-4):** Read the passage given below and answer the questions that follow by selecting the correct/most appropriate options.

As I kept strict watch over my way of living, I could see that it was necessary to economise. I, therefore, decided to reduce my expenses by half. My accounts showed numerous items spent on fares. Again, my living with a family meant the payment of a regular weekly bill. It also included the courtesy of occasionally taking members of the family out to dinner and likewise attending parties with them. All this involved heavy items for conveyances, especially as, if the friend was a lady, custom required that the man should pay all the expenses. Also, dining out meant extra cost, as no deduction could be made from the regular weekly bill for meals not taken. It seemed to me that all these items could be saved, as likewise the drain on my purse. So, I decided to take rooms on my own account, instead of living any longer in a family and also to remove from place to place according to the work I had to do, thus gaining experience at the same time. The rooms were so selected, as to enable me to reach the place of business on foot in half an hour and so save fares. Before this I had always taken some kind of conveyance whenever I went anywhere, and had to find extra time for walks. The new arrangement combined walks and economy, as it meant a saving of fares and gave me walks of eight or ten miles a day. It was mainly this habit of long walks that kept me practically free from illness throughout my stay in England and gave me a fairly strong body.

Thus I rented a suite of rooms; one for a sitting room and another for

a bedroom. This was the second stage. The third was yet to come.

- 1. The author could reduce his expenses by half by**
  - (a) having only one meal a day
  - (b) renting rooms close to his office
  - (c) travelling in a bus
  - (d) cooking his own meals
- 2. \_\_\_\_\_ constituted a major part of the author's expenses.**
  - (a) Meals
  - (b) Fares
  - (c) Dining out
  - (d) Entertainment
- 3. The author's choice of his new residence enabled him to**
  - (a) be close to his friends
  - (b) work longer and harder
  - (c) save money on fares
  - (d) keep things under control
- 4. What gave the author a fairly strong body?**
  - (a) Yogic exercises
  - (b) Self-discipline
  - (c) Nourishing food
  - (d) Long walks

**Directions (5-6):** In the following questions, groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word.

- 5.** (a) dominent (b) domenant  
(c) domenent (d) dominant
- 6.** (a) obsarve (b) obsarving  
(c) observer (d) observent

**Directions (7):** Choose the one option which best expresses the meaning of the word given below.

- 7. CONCEALED**
  - (a) covered
  - (b) closed
  - (c) sealed
  - (d) hidden

**Directions (8-9):** Choose the word that is opposite in meaning to the following given word.

- 8. ABANDON**
  - (a) regain
  - (b) retain
  - (c) remain
  - (d) revive
- 9. HUMBLE**
  - (a) rich
  - (b) powerful
  - (c) haughty
  - (d) strong

**Directions (10-12):** In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four.

- 10. The department head insisted that he \_\_\_\_\_ absolute authority to regulate office work.**
    - (a) gives
    - (b) is given
    - (c) would give
    - (d) would be given
  - 11. Vinod, two of \_\_\_\_\_ brothers attend primary school, wishes to be a school teacher after his graduation from the University.**
    - (a) whom
    - (b) them
    - (c) whose
    - (d) which
  - 12. The deadline was nearby, so Mrs. Sweth had her students \_\_\_\_\_ their essays.**
    - (a) complete
    - (b) to complete
    - (c) completing
    - (d) completed
- Directions (13-14):** In the following questions, a part of the sentence is underlined. Below are given alternatives to the underlined part (a), (b) and (c) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (d).
- 13. His acting is too good.**
    - (a) best
    - (b) much better
    - (c) very good
    - (d) No improvement

14. The novel consists a thousand pages.

- (a) comprises of (b) consists of  
(c) composes (d) No improvement

**Directions (15–16): In the following questions some of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is the answer. If a sentence is free from errors, then your answer is (d) i.e. No error.**

15. I had (a) a test in Mathematics (b) / today morning. (c) / No error. (d)

16. A girl must be gracious (a) / if she wishes (b) / to be a ballerina. (c) / No error. (d)

**Directions (17): In the following question out of the four alternatives choose the one which can be substituted for the given words/ sentence.**

17. A small room in a big house, hotel, ship etc. where glasses, dishes, spoons, food etc. are kept.

- (a) Portico (b) Pantry  
(c) Mezzanine (d) Kitchen

**Directions (18): Choose the appropriate prepositions for the given sentence:**

18. Fire fighters were trying to lift the wreckage \_\_\_\_\_ the bus that had overturned \_\_\_\_\_ the main highway.

- (a) of, on (b) at, in  
(c) in, across (d) under, in

**Directions (19): In the following question, sentence has been given in Direct/Indirect Speech. Out of the four alternatives suggested select the one which best expresses the same sentence in Indirect/Direct Speech.**

19. The boy said, "Bravo ! You have done well."

- (a) The boy said that he had done well  
(b) The boy exclaimed that he had done well  
(c) The boy applauded him, saying that he had done well  
(d) The boy said bravo he had done well

**Directions (20): In the following question, a sentence has been given in**

**Active/Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice.**

20. People call him a fool.

- (a) He has been called a fool.  
(b) He is called a fool by the people.  
(c) The people have been calling him a fool.  
(d) We all people have called him a fool.

### REASONING AND GENERAL AWARENESS (RAGA)

21. The maximum strength of members of the Rajya Sabha is:

- (a) 250 (b) 350  
(c) 150 (d) 200

22. An employment situation where the marginal productivity of an agricultural labour is zero is known as:

- (a) Chronic unemployment  
(b) Seasonal unemployment  
(c) Frictional unemployment  
(d) Disguised unemployment

23. Whose famous work was 'Satyarth Prakash'?

- (a) Swami Vivekananda  
(b) Swami Dayanand Saraswati  
(c) Raja Ram Mohan Roy  
(d) Ishwar Chandra Vidyasagar

24. The Andaman Sea is a part of the:

- (a) Arabian Sea  
(b) Yellow Sea  
(c) Sea of Japan  
(d) Bay of Bengal

25. The universal photosynthetic pigment is:

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

26. The first computers were programmed using:

- (a) Machine language  
(b) Source code  
(c) Assembly language  
(d) Object code

27. Which ministry has partnered with UN's (United Nations) World Food Programme to release the report on Food & Nutrition Security (FNS) stating that 31.4% will still be stunted by 2022?

- (a) Ministry of Health and Family Welfare (MoHFW)  
(b) Ministry of Home Affairs (MHA)  
(c) Ministry of Statistics and Programme Implementation (MoSPI)  
(d) Ministry of Women and Child Development (MoWCD)

28. A student multiplied a number by 11/13 instead of 13/11. What is the percentage error in the calculation ?

- (a) 39.67 percent  
(b) 28.4 percent  
(c) 14.2 percent  
(d) 19.83 percent

29. The H.C.F. of two numbers is 16. Which one of the following can never be their L.C.M?

- (a) 32 (b) 80  
(c) 46 (d) 60

30. If  $(x + y) : (x - y) = 5 : 2$ , find value of  $(4x + 5y) / (x - 4y)$

- (a) 43/5 (b) -5/43  
(c) -43/5 (d) 5/43

31. P and Q can do a project in 60 and 30 days respectively. In how many days can they complete 90% of the project if they work together P?

- (a) 9 days (b) 27 days  
(c) 36 days (d) 18 days

32. A wholesaler sells a watch to a retailer at a gain of 36% and the retailer sells it to a customer at a loss of 25%. If the customer pays ₹ 2499, what had it cost the wholesaler?

- (a) ₹ 2548 (b) ₹ 2450  
(c) ₹ 3123 (d) ₹ 2352

33. In a class of 60 students there are 33 girls. The average weight of these girls is 62 kg and

average weight of the full class is 66.5 kg. What is the average weight of the boys of the class?

- (a) 72 kg (b) 71 kg  
(c) 70 kg (d) 73 kg

34. Rohit walks at 17 km/hr and Ruchira cycles at 22 km/hr towards each other. What was the distance between them when they started if they meet after 44 minutes?

- (a) 42.9 km (b) 35.8 km  
(c) 21.5 km (d) 28.6 km

35. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 18% per annum is ₹ 81. The sum is \_\_\_\_\_

- (a) ₹ 2500 (b) ₹ 5000  
(c) ₹ 10000 (d) ₹ 7500

36. Shobha is the niece of Ashish. Ashish's mother is Priya. Kamla is Priya's mother. Kamla's husband is Hari. Krishna is the mother-in-law of Hari. How is Shobha related to Hari?

- (a) Daughter  
(b) Great grand daughter  
(c) Grand niece  
(d) Great grandson's daughter

37. If SPARK is coded as TQBSL, what will be the code for FLAME ?

- (a) GMBNF (b) GNBNF  
(c) GMCND (d) GMBMF

38. Starting from a point, Suraj walked 20 m south, then he turned left and walked 18 m, he again turned left and walked 18 m, then he turned right and walked 10 m. How far and in which direction is he now from the starting point?

- (a)  $\sqrt{784}$  m in north  
(b)  $\sqrt{788}$  m in south-east  
(c)  $\sqrt{786}$  m in south-west  
(d)  $\sqrt{790}$  m in north-west

39. A is taller than B but smaller than E. C is the smallest of all. D

is taller than A but smaller than E. Who is the tallest of the five ?

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

Direction (40) : A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

40. flight lieutenant, squadron leader, wing commander

- (a) Flying officer  
(b) Air marshal  
(c) Air vice marshal  
(d) Group captain

Direction (41): Study the following information carefully and answer the questions given below:

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. B is third to the right of F and third to the left of H. C is fourth to the left of A, who is not an immediate neighbour of F or B. E is not an immediate neighbour of B. G is second to the right of D.

41. Who is to the immediate left of B?

- (a) D  
(b) G  
(c) D or G  
(d) Data inadequate

Direction (42): In the questions below, some relationship have been expressed through symbols as shown below.

- $\phi$  means less than  
 $\Delta$  means not greater than  
– means equal to  
+ means not equal to  
 $\times$  means not less than  
= means greater than

Study the meaning of these symbols and pick correct answer from the answer choices for each questions below:

42.  $x \phi y + z$  implies

- (a)  $x - y = z$  (b)  $x \times y - z$   
(c)  $x \Delta y \phi z$  (d)  $x - y \times z$

Direction (43): Find the odd word/ letters/number from the given alternatives.

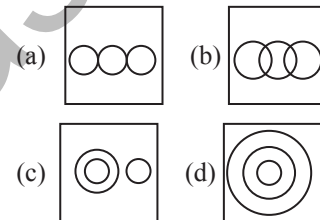
43. (a) 22 (b) 18  
(c) 12 (d) 15

44. In the following question, select the missing number from the given series.

17	24	16
8	?	11
81	100	25

- (a) 1 (b) 16  
(c) 14 (d) 20

45. Which one of the following diagrams best depicts the relationship among Kanpur, Varanasi and Meerut?



Direction (46-50): In the following question, two statements are given each followed by two Conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given Conclusions, if any, follows from the given statements.

46. Statements:

- (I) Major companies are nowadays surviving because of the strong supply chain system.  
(II) Supply chain comprises of logistics, retailers and distributors.

Conclusions:

- (I) Retailers play most important role because they interact with customers on first hand.  
(II) If an organisation has strong logistics, then product can easily be available to the customers in such an era of competition.

- (a) Only Conclusion II follows  
 (b) Conclusion I and II both follow  
 (c) Neither I nor II follow  
 (d) Only Conclusion I follows

## 47. Statements:

- (I) Pre-school culture is prevailing in all parts of the country now.  
 (II) Parents have less time to spend with their children so toddlers are admitted to school at a very early age.

## Conclusions:

- (I) Number of pre-schools is increasing in all parts of country.  
 (II) Children at a very early age are exposed to the outer world resulting in changes in behaviour patterns.

- (a) Only Conclusion II follows  
 (b) Conclusion I and II both follow  
 (c) Neither I nor II follow  
 (d) Only Conclusion I follows

## 48. Statements:

- (I) Many rituals, if incorporated in daily routine can make positive changes in one's life.

- (II) Bending forward in mosque or prostrating before God are great exercises as these involve backstretch, squat, bend and rise again.

## Conclusions:

- (I) Religion offers great scope for exercise.  
 (II) If only these religious rituals are practiced daily, they can make positive changes in health of an individual.

- (a) Only Conclusion II follows  
 (b) Conclusion I and II both follow  
 (c) Neither I nor II follow  
 (d) Only Conclusion I follows

## 49. Statements:

- (I) Glaciers are receding and the temperature rise of the world is more than last year this time.  
 (II) Pollution level of the Earth is rising a lot resulting in avalanches.

## Conclusions:

- (I) Pollution is resulting into hike in temperature of the world.

- (II) Pollution is the only reason for depletion of the nature.

- (a) Only Conclusion II follows  
 (b) Conclusion I and II both follows  
 (c) Neither I nor II follows  
 (d) Only Conclusion I follows

## 50. Statements:

- (I) Life is a journey with few known people, few partially known and mostly strangers.  
 (II) In a journey, the importance of destination is as equal as the pathway of reaching that destination.

## Conclusions:

- (I) Importance of people in life is considerable, as they are our journey mates.  
 (II) Life teaches us many lessons to face various known and unknown difficulties.

- (a) Only Conclusion II follows  
 (b) Conclusion I and II both follow  
 (c) Neither I nor II follow  
 (d) Only Conclusion I follows

## Answers with Explanation

### ENGLISH

1. (b) 2. (b) 3. (c) 4. (d)

5. (d) 6. (c)

7. (b) The word **Concealed (Adjective)** means: hidden.

8. (b) The word **Abandon (Verb)** means: give up; forsake; to leave.

**Look at the sentences:**

They had to abandon their lands to the invading forces.

The word **Retain (Verb)** means: to keep something; to continue to have something; preserve.

**Look at the sentence :**

The house retains 'much of its original charm.

9. (c) The word **Humble (Adjective)** means: modest; showing you do not think that you are as important as other people.

The word **Haughty (Adjective)** means; behaving in an unfriendly way towards other people because you think you are better than them; arrogant.

**Look at the sentences:**

Be humble enough to learn from your mistakes.

He replied with haughty disdain.

10. (d) 11. (c) 12. (a)

13. (c) 14. (b)

15. (b) Here, a preposition related error occurs. Hence, a test on Mathematics \_\_\_\_\_ should be used.

16. (d) 17. (b) 18. (a)

19. (c) The boy applauded him, saying that he had done well.

20. (b) He is called a fool by the people.

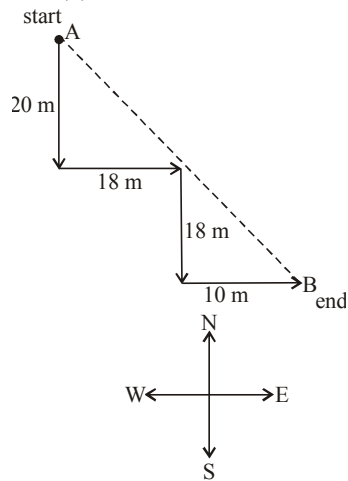
### REASONING AND GENERAL AWARENESS (RAGA)

21. (a) Article 80 of the Constitution lays down the maximum strength of Rajya Sabha as 250, out of which 12 members are nominated by the President and 238 are representatives of the states and of the two Union Territories.





38. (b)



$$\begin{aligned} \therefore AB &= \sqrt{(20-18)^2 + (18+10)^2} \\ &= \sqrt{(2)^2 + (28)^2} \\ &= \sqrt{4 + 784} = \sqrt{788} \text{ m} \end{aligned}$$

and the direction is south-east.

39. (d) According to sitting arrangement,

E, A, B, D, C

 $E > A > B > D > C$ 

Finally, E is the tallest of the five.

40. (a) 'Flying officer' completes the series.

41. (a) By analysing the circular arrangement, it is clear that immediate left of B  $\Rightarrow$  D.

42. (c) According to the meaning of the given symbols,

$$x \phi y + z \Rightarrow x < y \neq z$$

$$x \lambda y \phi z \Rightarrow x \neq y < z.$$

Therefore,  $x \phi y + z \Rightarrow x \Delta y \phi z$ .

43. (a) Except 22, all other numbers are multiples of 3.

$$3 \times 16 = 18$$

$$3 \times 4 = 12$$

$$3 \times 5 = 15$$

$$\text{But, } 3 \times 7 + 1 = 22$$

44. (c)  $(17 - 8) = 9 \rightarrow (9)^2 \rightarrow 81$ 

$$(16 - 11) = 5 \rightarrow (5)^2 \rightarrow 25$$

$$24 - ? = 100$$

$$24 - ? = (10)^2$$

$$24 - ? = 10$$

$$? = 24 - 10 = 14$$

Hence, the missing term is 14.

45. (a) Kanpur, Varanasi and Meerut, all are cities of Uttar Pradesh but, they are entirely different from one another. This can be expressed by option (a).



46. (a) According to the statements, only Conclusion II follows.

47. (d) According to the statements of the question, only Conclusion I follows.

48. (b) According to the statements, Conclusion I and Conclusion II follows.

49. (c) According to the statements, neither Conclusion I nor Conclusion II follows.

50. (d) According to the statements, only Conclusion I follows.

□□□

Prabh