

P.G. RURAL DEVELOPMENT

A. English Aptitude :

Directions (1-5) : Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.

In the din and cackle of the communal eruptions in Gujarat, neither the media nor the intellectual have heard the cry of protest and anger from the Army on being called into **douse** communal fires. This especially at a time when it was deployed in Operation Parakram, the country's biggest mobilization of the armed forces since 1971 to teach Pakistan a lesson if it did not stop cross-border terrorism. But war and communalism do not mix in India.

Many lessons have emerged from Godhra to Gujarat carnage. The one that will easily be forgotten is the abysmal failure of the police and central paramilitary forces to control internal conflict, namely communal violence, and the **alacrity** with which the Army is requisitioned. The Army has two tasks : to defend the country against external **aggression** is its primary mission. There is a secondary task assist state and Central governments in maintaining internal security as well as providing relief during natural calamities.

The secondary role is fast becoming the primary one as the line between external and internal security has got **blurred**. The intention of any democratic republic must be the prevention of the use of its fighting forces against its own people. the Army is a weapon of last resort.

The debate on the employment of the Army in internal security duties especially communally charged situations, was joined in 1984 after Operation Blue Star which led to the first organized **mutiny** in the armed forces in independent India. It was felt that the armed forces, especially the Army, being the true model in the country of nationalism and secularism, be insulated against task of internal security to avoid its politicization and communalization.

The second debate on the internal security role of the Army-whether it or some other force should fight insurgency and terrorism - surfaced after the renewal of the proxy war in J and K in 1990. Thirty-six battalions of the Rashtriya Rifles (RR) were raised under Army control to reduce the Army's involvement in its secondary tasks. Thirty additional battalions of RR are under raising which will help the Army altogether. The human Tragedy in Gujarat timed with operational Parakram is a good time to **draw red lines** for the Army's spiraling induction into situations of

internal security. And keeping the Army out of communal incident must become a rule rather than the exception. The *Lakshman rekha* was drawn with the blood of its soldiers in the Golden Temple and must be inviolate.

It will be useful to recall that during the Babri Masjid stand off between 1990 and 1992, the Army, though located at Ayodhya, behaved to a pattern. On October 30, 1990, it refused requisitioning by the commissioner of Faizabad even after police firing, hundreds dead and communal rioting. On December 6, 1992, the same brigade at Ayodhya, this time not requisitioned, refused to budge to save the Babri Masjid even when it had prior information that demolition would take place. Rightly or wrongly, the Army did not act on both occasions as it had taken a policy decision after Blue Star not to communalise its rank and file.

1. Which of the following is not among the tasks of our Army ?
 - (A) To protect the sovereignty of the nation
 - (B) To help maintain law and order in the nation when needed
 - (C) To attack our enemy nations and seize their territories
 - (D) To indulge in rescue and relief works during natural disasters

2. What does the author mean by saying "The Army is a weapon of last resort."
 - (A) The Army is helpless at certain time
 - (B) The Army is the only effective institution
 - (C) The Army should never be used in internal matters
 - (D) None of these

3. Why is the secondary role of the Army becoming its primary role ?
 - (A) Because the line of demarcation between external and internal security has become vague.
 - (B) Because the line of demarcation between external and internal security has vanished.
 - (C) Because the line between external and internal security has overlapped
 - (D) Because the line between external and internal security has diminished

4. Which of the following is true in the context of the passage ?
- (A) Central paramilitary forces were able to control communal violence during Gujarat carnage.
 - (B) Babri Masjid was demolished even though the Army tried its best to save it.
 - (C) It has been proved that the Army is communal force.
 - (D) The Army is seen as a true model in secular India.
5. What message does the first organized mutiny in the armed forces give ?
- (A) The armed forces should not be used against their will.
 - (B) The armed forces are not effective at all times.
 - (C) The armed forces should not be used to tackle communal strife.
 - (D) The armed forces may turn hostile at times.

Directions (Q. 6-8) : Choose the word which is same in meaning as the word given in bold as used in passage.

6. **AGGRESSION**

- (A) strife (B) disturbance (C) threat (D) attacking

7. **RESORT**

- (A) option (B) action (C) solution (D) strike

8. **MUTINY**

- (A) indiscipline (B) war (C) quarrel (D) rebellion

Directions (Q. 9-11) : Choose the word which is opposite in meaning of the word given in bold as used in passage.

9. **DOUSE**

- (A) fume (B) heat (C) ignite (D) engulf

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10. ALACRITY

- (A) promptness
- (C) idleness

- (B) tardiness
- (D) bewilderness

11. BLURRED

- (A) confused
- (B) stronger

- (C) emphatic
- (D) distinct

Directions(Q.12-15): which of the phrases (1), (2), (3) and (4) given below sentence should replace the phase printed in bold to make the sentence grammatically correct ? If the sentence is correct as it is, mark (5), ie "No correction required", as your answer.

12. The Supreme Court ruled that no professional institution can charge capitation fee from student **seeking for the admission.**

- (A) seeking of admission
- (C) seeking admission

- (B) seeking towards admission
- (D) seeking admission for

13. **He called for** a moratorium on all issues which serve as impediment to the development of the nation.

- (A) He did call on
- (C) He called only to

- (B) He used to call of
- (D) NCR

14. India has definitely taken a significant **peace initiatives** for for all its neighbours.

- (A) Peace initiative with
- (C) Initiative for peace of

- (B) Peaceful initiatives towards
- (D) Peace with initiatives for

15. If terrorism **has to be wiped out** of the globe, its roots have to be destroyed.

- (A) is wipes out
- (C) needs wiped out

- (B) needs being wiped out
- (D) NCR

Directions (Q. 16-20) Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

16. The National Knowledge Commission has said that India will have to bring _____ in education of its has to emerge as the most _____ workforce of the world.
- (A) changes, biggest (B) reforms, talented
(C) alleviation, skilful (D) quality, brighter
17. Norway has stolen a march over other developed countries by _____ that is would reduce 40% of its greenhouse gas emissions by 2020 and _____ carbon neutral by 2030.
- (A) allowing, turn (B) posing, grew
(C) perceiving, arising (D) declaring, become
18. A controversial plan to build an immense dam in Brazil's rainforest was stalled when it _____ a formidable bloc of _____ in ecologists and indigenous tribes alike.
- (A) resulted, hostilities (B) gained, supporters
(C) attracted, opponents (D) lead, protesters.
19. According to a recent survey, sales figures of high end cars have seen an _____ growth in the past year, which shows that Indian consumers have _____ the impact of recession.
- (A) unprecedented, negated (B) unbelievable, suffered
(C) unusual, worsened (D) insignificant, endured
20. According to the language experts, children should be taking in their mother tongue rather than a foreign language which can _____ affect their comprehension abilities leading to serious language based _____ later in their lives.
- (A) significantly, abilities (B) appropriately, achievements
(C) severely, advantages (D) adversely, problems

Directions (Q. 21-25) Rearrange the following sentences (1), (2), (3), (4), (5) and (6) to make a meaningful paragraph and then answer the questions which follow.

1. This decision on which force is to be maximized lies with every individual.
2. The belief comes from the fact that science reflects the social forces prevailing at a particular time.
3. We must maximise the constructive forces of science and the destructive ones should be minimized.
4. Contrary to particular belief, the greatest enemy of mankind is not science but war.
5. She/he must understand that science can only help in providing ways to reach at either war or peace and is actually not responsible for causing these.
6. During peaceful times science is constructive and during war, science is perverted to destructive ends.

21. Which of the following sentences should be the **sixth (LAST)** after rearrangement?

- (A) 1 (B) 2 (C) 3 (D) 4

22. Which of the following sentences should be the **THIRD** after rearrangement?

- (A) 1 (B) 5 (C) 6 (D) 4

23. Which of the following sentences should be the **FIFTH** after rearrangement?

- (A) 1 (B) 2 (C) 3 (D) 5

24. Which of the following sentences should be the **FIRST** after rearrangement?

- (A) 1 (B) 2 (C) 3 (D) 4

25. Which of the following sentences should be the **SECOND** after rearrangement?

- (A) 1 (B) 2 (C) 4 (D) 5

B. General Knowledge :

26. The first General Elections in India took place in
(A) 1948 (B) 1950 (C) 1952 (D) 1954
27. The corresponding Gregorian date of the saka month,, Bhadra is
(A) July 23 (B) August 23
(C) September 23 (D) October 23
28. The branch of science that studies cells is called
(A) cytology (B) entomology
(C) homoplasty (D) hormonology
29. Glileo was an astronomer who
(A) developed the telescope
(B) discovered four satellites of Jupiter
(C) discovered that the movement of pendulum produces a regular time measurement
(D) All the above
30. Sun exposure can bring about an improvement in health because of which of the following reasons :
(A) the infrared light kills bacteria in the body
(B) resistance power increases
(C) the pigment cells in the skin get stimulated and produce a healthy tan
(D) the ultraviolet rays convert skin oil into Vitamin D
31. The first batch of women pilots was commissioned on
(A) August 30, 1992 (B) December 17, 1994
(C) January 11, 1987 (D) None of the above

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32. The five permanent members of the Security Council are
(A) China, France, Russia, UK, USA
(B) China, UK, Belgium, France, USA
(C) India, UK, USA, China, Germany
(D) None of the above
33. The frequency of which of the following is the highest ?
(A) Gamma rays
(B) Light waves
(C) Micro waves
(D) Radio waves
34. The first Olympics in the city of Olympia in Greece took place in
(A) 1000 BC
(B) 850 BC
(C) 776 BC
(D) 753 BC
35. The clear sky looks blue because
(A) reflection of light
(B) refraction of light
(C) differaction of light
(D) dispersion of light
36. The common terms used in shooting are
(A) hunting, show-jump, dressage
(B) bed, ballsege, marksmanship, plug
(C) bou, bucket, low, feather, paddle, regatta
(D) None of the above
37. The first Indian actress to have been nominated to the Rajya Sabha was
(A) Nargis Dutt
(B) Hema Malini
(C) Jaya Prada
(D) None of the above
38. The first NAM(Non-Aligned Movement) conference was held at
(A) Belgrade (Yugoslavia)
(B) Caire(Egypt)
(C) Lusaka(Zambia)
(D) Algeria(Algeria)

39. The first recipient of Bharat Ratna award in 1954 was
(A) S. Radhakrishnan (B) Rajagopalachari
(C) C.V. Raman (D) Jawaharlal Nehru
40. The credit of developing the polio vaccine goes to
(A) Jones Salk (B) Alb E. Sabin (C) J.L. Barid (D) J. Perkins
41. Nobel prize is awarded for which of the following disciplines :
(A) Literature, peace and economics (B) Medicine or Physiology
(C) Chemistry and Physics (D) All the above
42. Garampani Sanctuary is locate in which of the following places :
(A) Junagarh, Gujarat (B) Kohima, Nagaland
(C) Diphu, Assam (D) Gangtok
43. Indian player Jude Felix is popular for which sports ?
(A) Volleyball (B) Football (C) Hockey (D) Tennis
44. The Indian, who holds the pride of beating the computers in mathematical wizard is :
(A) Shakuntala Devi (B) Raja Ramannan
(C) Ramanujan (D) Rina Panigrahi
45. Who is popularly called as the Iron Man of India ?
(A) Subhash Chandra Bode (B) Sardar Vallabhbhai Patel
(C) Jawaharlal Nehru (D) Govind Ballabh Pant
46. Guru Gopi Krishna is popular for which from of Indian dance ?
(A) Bharatanatyam (B) Kuchipudi (C) Kathak (D) Manipuri

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47. The radioactive element radium was invented by which of the following scientists ?
(A) Marie Curie
(B) Benjamin Franklin
(C) Albert Einstein
(D) Isaac Newton
48. In which field is the B.C. Roy Award given ?
(A) environment
(B) Journalism
(C) Medicine
(D) Music
49. In which year was the Pulitzer Award Introduced ?
(A) 1829
(B) 1918
(C) 1822
(D) 1917
50. The esteemed Ramon Magsaysay Award was given to Ms. Kiran Bedi for her contribution to which of the following fields :
(A) Government service
(B) Community Service
(C) Literature
(D) Journalism

C. Mental Ability and Reasoning :

Directions (Q. 51-55) : Study the following arrangement carefully and answer the questions given below :

LV MI ▲ XIJK • 3 BPQR\$ # 4 ♣ 7 6 9 G S F ♦ @ HWY 2 5 T Z C D E

51. How many letters are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a consonant ?
(A) Five
(B) Six
(C) Seven
(D) Eight
52. How many symbols are there in the above arrangement, each of which is immediately preceded by digit and immediately followed by a consonant ?
(A) None
(B) One
(C) Two
(D) Three

53. Four of the following five are alike in a certain way based on the nature of their elements in the above arrangement. Which is the one that does not belong to the group ?
- (A) X ▲ 5 (B) @ 2G (C) 4 • R (D) 4 ♣ 7
54. If the positions of the last twenty-two elements in the above arrangement are reversed, which of the following pairs represents the immediate left and immediate right elements of the right of twenty-third element from the left end ?
- (A) 5, Y (B) T, 2 (C) 2, W (D) X, J
55. Which of the following is exactly midway between the ninth element from the left and fifth element from the right ?
- (A) 6 (B) 9 (C) ♣ (D) 7
56. If 'yellow' means 'green', 'green' mean 'white', 'white' means 'red', 'red' means 'brown', 'brown' means blue and 'blue' means 'violet', which of the following represents the colour of rarely-found elephants ?
- (A) brown (B) violet
(C) red (D) None of these
57. In a certain code OPULNCE is written as WWAQIQEF; OUTBREAK is written as WBZGVHCL. How is ORACLE written in that code ?
- (A) UWEFNF (B) WUEFNF (C) FNFEWU (D) VWEFNE
58. How many pairs of letters are three in the word circumstances each of which has a many letters between them in the word as in the English alphabet ?
- (A) None (B) One
(C) three (D) More than three
59. If it is possible to make any one meaningful word with the first, the second, the fourth and the fifth letters of the word VIOLENCE, using each letter only once, which

of the following will be the first letter of that word? If only two such words can be formed, give "P" as the answer. If only three such words can be formed, give 'Z' as the answer. If only four such words can be formed, give 'Y' as the answer. And if no such word can be formed, give 'X' as the answer.

- (A) P (B) Y (C) Z (D) X

60. In a country ABC, Two-party system exists. In 2000, according to a new poll, 38 per cent voters has leaning towards party 'X'. In 2002, this figure rose to 48 per cent. But in another survey, the percentage was down to 39 percent. Therefore, party 'Y' is likely to win the next electron.

which of the following, if true most seriously weaken the above conclusion ?

- (A) No one can predict how people will vote.
(B) People vote for the best candidate not for the party.
(C) People tend to switch their votes at the last minute.
(D) It has been shown that the 95 percent of the voters favouring party 'X' vote in an election as compared to 45 percent of the voters favouring party 'Y'.

Directions (Q. 61-65) : Study the following arrangement carefully and answer the questions given :

LV MI ▲ XI JK • 3 B P Q R \$ # 4 ♣ 7 6 9 G S F ♦ @ H W Y 2 5 T Z C D E

61. How many letters are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a consonant ?

- (A) Five (B) Six (C) Seven (D) Eight

62. How many symbols are there in the above arrangement, each of which is immediately preceded by a digit and immediately followed by a consonant ?

- (A) None (B) One (C) two (D) Three

63. Four of the following five are alike in a certain way on the nature of their elements in the above arrangement. Which is the one that does not belong to the group ?

- (A) X ▲ 5 (B) @ 2 G (C) 4 • R (D) 4 ♣ 7

64. If the positions of the last twenty-two elements in the above arrangement are reversed, which of the following pairs represents the immediate left and immediate right elements of the right of twenty-third element from the left end ?
- (A) 5, Y (B) T, 2 (C) 2, W (D) X, J
65. Which of the following is exactly midway between the ninth element from the left and fifth element from the right ?
- (A) 6 (B) 9 (C) ♣ (D) 7
66. How many meaningful words can be formed by replacing only the consonants in the word GOD by the next letter in the English alphabet and keeping the vowels unchanged ?
- (A) None (B) one (C) Two (D) Three
67. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to the group ?
- (A) 144 (B) 1089 (C) 245 (D) 386
68. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?
- (A) January (B) March (C) June (D) October
69. If it is possible to make a number which is the perfect cube of a one-digit number with the second, the sixth and ninth digits of the number 92687102534, which of the following will come at unit's place of the square of that one-digit number ? If more than one such one-digit number exists give '3' as your answer and if no such one-digit number exists give '7' as your answer.
- (A) 5 (B) 4 (C) 7 (D) 3
70. 'Mink' is related to 'coat' in the same way as 'Mint' is related to
- (A) Cooking (B) Paper (C) Coin (D) Sweet

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71. SCD, TEF, UGH, _____ WKL
(A) CMN (B) UJI (C) VIJ (D) IJT
72. FAG, GAF, HAI, IAH, _____
(A) JAK (B) HAL (C) HAK (D) JAI
73. ELFA, GLHA, ILJA, _____, MLNA
(A) OLPA (B) KLMA (C) LLMA (D) KLLA
74. CMM, EOO, GQQ, _____ KUU
(A) GRR (B) GSS (C) ISS (D) IIT
75. BCB, DED, FGF, HIH _____
(A) JKJ (B) HJH (C) IJI (D) JHJ

D. Numerical Ability/Quantitative Aptitude :

76. $\frac{(469+174)^2 - (469-174)^2}{(469 \times 174)} = ?$

- (A) 2 (B) 4 (C) 295 (D) 643
77. If $(4x^2 - 3y^2) : (2x^2 + 5y^2) = 12 : 19$, then $(x : y)$ is :
(A) 2 : 3 (B) 1 : 2 (C) 3 : 2 (D) 2 : 1
78. If $x^2 + 4y^2 = 4xy$, then $x : y$ is :
(A) 2 : 1 (B) 1 : 2 (C) 1 : 1 (D) 1 : 4

79. If $5x^2 - 13xy + 6y^2 = 0$, then $x : y$ is :

(A) (2 : 1) only

(B) (3 : 5) only

(C) (5 : 3) or (1 : 2)

(D) (3 : 5) or (2 : 1)

80. Reena took a loan of Rs.1200 with simple interest for as many years as the rate of interest. if she paid Rs.432 as interest at the end of the loan period, what was the rate of interest ?

(A) 3.6

(B) 6

(C) 18

(D) Cannot be determined

81. A man took a loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs.5,400 interest only for the period. The principal amount borrowed by him was :

(A) Rs.2,000

(B) Rs.10,000

(C) Rs.15,000

(D) Rs.20,000

82. What is the present worth of Rs.132 due in 2 years at 5% simple interest per annum ?

(A) Rs.112

(B) Rs.118.80

(C) Rs.120

(D) Rs.122

83. A sum fetched a total simple interest of Rs.4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum ?

(A) Rs.4462.50

(B) Rs.8032.50

(C) Rs.8900

(D) Rs.8925

84. The simple interest at $x\%$ for x years will be Rs.X on a sum of :

(A) Rs.x

(B) Rs.(100/x)

(C) Rs.100x

(D) Rs.(100/x²)

85. Find the compound interest on Rs.15,625 for 9 months at 16% per annum compounded quarterly.

(A) Rs.1851

(B) Rs.1941

(C) Rs.1951

(D) Rs.1961

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86. If the simple interest on a sum of money for 2 years at 5% per annum is Rs.50, what is the compound interest on the same sum at the same rate and for the same time ?
- (A) Rs.51.25 (B) Rs.52
(C) Rs.54.25 (D) Rs.60
87. If a, b, c, d, e are five consecutive odd numbers, their average is :
- (A) $5(a + 4)$ (B) $\frac{abcde}{5}$
(C) $5(a + b + c + d + e)$ (D) None of these
88. What is the probability of getting a sum 9 from two throws of a dice ?
- (A) $1/6$ (B) $1/8$ (C) $1/9$ (D) $1/12$
89. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5 ?
- (A) $1/2$ (B) $2/5$ (C) $8/15$ (D) $9/20$
90. 729 ml of a mixture contain milk and water in the ratio 7 : 2. How much more water is to be added to get a new mixture containing milk and water in the ratio 7 : 3 ?
- (A) 600 ml (B) 710 ml
(C) 520 ml (D) None of these
91. A man spends Rs.8100 in buying tables at Rs.1200 each and chairs at Rs.300 each. the ratio of chairs to tables when the maximum number of tables is purchased, is
- (A) 1 : 4 (B) 5 : 7 (C) 1 : 2 (D) 2 : 1

92. A bag contains rupees, fifty paise, twenty five paise and ten paise coins in the proportion 1 : 3 : 5 : 7. If the total amount is Rs.22.25, find the number of twenty-five paise coins
 (A) 25 (B) 5 (C) 15 (D) 35
93. An amount of money is to be distributed among P, Q and R in the ratio of 5 : 8 : 12 respectively. If the total share of Q and R is four times that of P, what is definitely P's share ?
 (A) Rs.3000 (B) Rs.5000
 (C) Rs.8,000 (D) Data inadequate
94. If 10% of m is the same as 20% of n, then m : n is equal to :
 (A) 1 : 2 (B) 2 : 1 (C) 5 : 1 (D) 10 : 1
95. If $A : B = 2 : 3$ and $B : C = 4 : 5$, then $C : A$ is equal to :
 (A) 15 : 8 (B) 12 : 10 (C) 8 : 5 (D) 8 : 15
96. 54 56 62 74 94 124
 175 (a) (b) (c) (d) (e)
 what will come in place of (c) ?
 (A) 196 (B) 195 (C) 175 (D) 174
97. 6 3 3 4.5 9 22.5
 8 (a) (b) (c) (d) (e)
 What will come in place of (e) ?
 (A) 24 (B) 28 (C) 275 (D) 30
98. $17892 + 139 \times 6 = ? \div 2$
 (A) 18726 (B) 9363 (C) 56178 (D) 37452

99. $5\frac{2}{7} \times 3\frac{1}{2} \div 10\frac{23}{32} \times 1\frac{36}{111} = ?$

(A) 2.3

(B) $2\frac{2}{7}$

(C) $3\frac{3}{7}$

(D) 3.5

100. $61.25 \times 1.08 \times 1.8 = ?$

(A) 119.07

(B) 117.09

(C) 97.07

(D) 107.12