



THE FIRST STEP TOWARDS  
YOUR DEFENCE DREAM

# SRNTH

## MODEL TEST PAPER-003 FOR CLASS 12<sup>TH</sup>

Duration :- 2.00 Hours

Max Marks: - 400

- ❖ This test contains 100 questions. Each question comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case, you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
- ❖ All questions carry equal marks.
- ❖ In this exam each question carries 4 marks for the right answer, no negative marking.
- ❖ If a question is left blank i.e., no answer is given by the candidate, there will be no penalty for that question.

Student Name.....

Date .....

## ENGLISH

Direction: Read the following passage and answer the questions given below.  
Passage

Many Sociologists have argued that there is a functional relationship between education and economic system. They point to the fact that mass formal education began in industrial society and is an established part of all industrial societies. They note that the expansion of the economies of industrial societies is accompanied by a corresponding expansion of their educational systems. They explain this correspondence in terms of the needs of industry for skilled and trained manpower, needs which are met by the educational system, thus the provision of mass elementary education in Britain in 1870 can be seen as a response to the needs of industry for a literate and numerate work-force at a time when industrial processes were becoming more complex and the demand for technical skills was steadily growing.

1. By 'functional relationship' is meant
  - (a) a short-term relationship
  - (b) practical and utilitarian relationship
  - (c) temporary arrangement
  - (d) close and unbreakable relationship
2. The industry needs a literate workforce because
  - (a) its expansion needs sound learning
  - (b) it relies heavily on expertise
  - (c) it promotes a competitive spirit
  - (d) its operations need intricate technical knowledge
3. The observations of the Sociologists are based on a study of
  - (a) the statistical data available in a historical context
  - (b) the correlation between industry and education in a historical context
  - (c) economic system of the 19th century
  - (d) growth of industry in the 19th century
4. One who is irreverent towards God.
  - (a) Criminal
  - (b) Atheist
  - (c) Theist
  - (d) Blasphemous
5. Give one word substitute  
The state of being unmarried.
  - (a) Dilettante
  - (b) Bigamy
  - (c) Celibacy
  - (d) Celibate
6. Even in today's modern society, people ..... god to bring rains.
  - (a) provoke
  - (b) appeal
  - (c) evoke
  - (d) propitiate
7. Identify the Indirect Speech.  
Sarita said to me, "I will do it now or never."
  - (a) Sarita told me that she would do then or never
  - (b) Sarita told me that I would do it then or never
  - (c) Sarita told me that she would do it now or never
  - (d) Sarita told me that she will do that now or never
8. Change the Voice.  
Somebody told me that there had been an explosion in the Town Hall.
  - (a) I was told by somebody about the explosion in the Town Hall
  - (b) I was told about the explosion in the Town Hall
  - (c) I was informed that there was an explosion in the Town Hall
  - (d) I was told by somebody that there had been an explosion in the Town Hall
9. Identify the synonym of the given word.  
'Belittle'
  - (a) Diminish
  - (b) Mock
  - (c) Disparage
  - (d) Scoff
10. Identify the synonym of the given word.  
'Credulous'
  - (a) Trusting
  - (b) Interest
  - (c) Joyous
  - (d) Interpret
11. To wrangle over an ass's shadow.
  - (a) To do something funny
  - (b) To quarrel over the possession of an ass
  - (c) To waste time on pretty things
  - (d) To quarrel over trifles
12. Form an adjective from the given word.  
'Senses'
  - (a) The senses
  - (b) Senses

(c) Senser (d) Sensible

(c) When (d) Than

13. Give the plural of the given word.

'Goose'

- (a) Geoses (b) Goose  
(c) Goosee (d) Geese

24. Give the plural of the given word.

DUTY

- (a) dutys (b) duties  
(c) dutyes (d) duties

14. .... is/are necessary for acquiring this knowledge.

- (a) Physical exertion  
(b) Reflection and patience  
(c) Necessary exercise  
(d) Gossip

25. Give the plural of the given word.

'Church'

- (a) Churchs (b) Churched  
(c) Churchess (d) Churches

15. Select the correct verb.

She told her mother that Sonam \_\_\_\_\_ her there the previous day.

- (a) met (b) meets  
(c) had met (d) would meet

16. Choose the correct word.

- (a) Villian (b) Villain  
(c) Vilan (d) Vilain

17. Identify the antonym of the given word.

'Bewdy'

- (a) decent (b) indecent  
(c) dirty (d) inflexible

18. Give one word substitute.

One who is engaged in fighting a battle or war

- (a) fighter (b) military  
(c) amateur (d) belligerent

19. A person who eats human beings.

- (a) beast (b) ghost  
(c) cannibal (d) giant

20. He was involved \_\_\_\_\_ a crime.

- (a) in (b) into  
(c) at (d) of

21. The unruly behaviour of the students \_\_\_\_\_ their teacher.

- (a) tempered (b) incensed  
(c) aggrieved (d) clashed

22. 'Dank'

- (a) Dangerous (b) Ugly  
(c) Plunder (d) Damp

23. He waited for me \_\_\_\_\_ I came back.

- (a) Until (b) Unless

## MATHS

26. If  $f(x) = \frac{x}{x-1} = \frac{1}{y}$ , then  $f(y) =$

; fn  $f(x) = \frac{x}{x-1} = \frac{1}{y}$ , rks  $f(y) =$

- (a)  $x$  (b)  $x + 1$   
(c)  $x - 1$  (d)  $1 - x$

27. The domain of  $f(x) = \frac{\log_2(x+3)}{x^2+3x+2}$  is

Qyd  $f(x) = \frac{\log_2(x+3)}{x^2+3x+2}$  dk izkUr gksxk

- (a)  $R - \{1, -2\}$  (b)  $(-2, +\infty)$   
(c)  $R - \{1, -2, -3\}$  (d)  $(-3, +\infty) - \{-1, -2\}$

28. If  $G(x) = -\sqrt{25 - x^2}$ , then  $\lim_{x \rightarrow 1} \frac{G(x) - G(1)}{x - 1} =$

; fn  $G(x) = -\sqrt{25 - x^2}$ , rks

$\lim_{x \rightarrow 1} \frac{G(x) - G(1)}{x - 1} =$

- (a)  $\frac{1}{24}$  (b)  $\frac{1}{5}$   
(c)  $-\sqrt{24}$  (d) None of these

29.  $\lim_{x \rightarrow 0} \frac{e^{1/x} - 1}{e^{1/x} + 1} =$

- (a) 0 (b) 1  
(c) -1 (d) Does not exist

30. Let  $f(x) = \begin{cases} x + 1, & \text{when } x < 2 \\ 2x - 1, & \text{when } x \geq 2 \end{cases}$ ,  $f'(2) =$

Ekkuk  $f(x) = \begin{cases} x + 1, & \text{when } x < 2 \\ 2x - 1, & \text{when } x \geq 2 \end{cases}$ ,  $f'(2) =$

- (a) 0 (b) 1  
(c) 2 (d) Does not exist (vfLrRough gS)

31. The tangent to the curve  $y = ax^2 + bx$  at  $(2, -8)$  is parallel to x-axis. Then

$\circ \emptyset y = ax^2 + bx$  ds fcUnq ij

Li' kZ js [kk x v {k ds lekUrj

gS rks

- (a)  $a = 2, b = -2$  (b)  $a = 2, b = -4$

(c)  $a = 2, b = -8$  (d)  $a = 4, b = -4$

32. The least value of the sum of any positive real number and its reciprocal is

- (a) 1 (b) 2  
(c) 3 (d) 4

33. In a single throw of two dice what is the probability of obtaining a sum greater than 7, if 4 appears on the first dice

34. If  $P(A \cap B) = \frac{7}{10}$  and  $P(B) = \frac{17}{20}$ , then  $P(A/B)$  is equals to

$= \frac{17}{20}$ , then  $P\left(\frac{A}{B}\right) =$

- (a)  $\frac{14}{17}$  (b)  $\frac{17}{20}$   
(c)  $\frac{7}{8}$  (d)  $\frac{1}{8}$

35. Let X and Y be the sets of all positive divisors of 400 and 1000 respectively (including 1 and the number). Then  $n(X \cap Y) =$

36. If  $A = \{x, y\}$ , Then the power set of A is

- (a)  $\{x^x, y^y\}$  (b)  $\{x^x, y^y\}$   
(c)  $\{x^x, y^y\}$  (d)  $\{x^x, y^y\}$

37. If  $a_1, a_2, a_3, \dots, a_{20}$ , are in A.P and  $a_1 + a_{20} = 45$ , Then  $a_1 + a_2 + a_3 + \dots + a_{20}$ , is equal to

38. If the sum of n terms of an A.P. is  $nA + n^2B$ , where A,B are constants, the its common difference will be

- (a) 90 (b) 900  
(c) 350 (d) 450

39. If the 4<sup>th</sup>, 7<sup>th</sup> and 10<sup>th</sup> term of a G.P be a,b,c respectively, then the relation between a,b,c is

- (a)  $A-B$  (b)  $A+B$   
(c)  $2A$  (d)  $2B$

40. If (1-p) is a root of quadratic equation  $x^2 + px + (1-p) = 0$ , then its roots are.

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

41. The root of the given equation  $(p-q)x^2 + (q-r)x + (r-p) = 0$  are

- (a)  $\frac{p-q}{r-p}, 1$  (b)  $\frac{q-r}{p-q}, 1$   
(c)  $\frac{r-p}{p-q}, 1$  (d)  $1, \frac{q-r}{p-q}$

42.  $a + ib > c + id$  can be explained only when

- (a)  $b = 0, c = 0$  (b)  $b = 0, d = 0$   
(c)  $a = 0, c = 0$  (d)  $a = 0, d = 0$

43. If  $(x + iy)^{1/3} = a + ib$ , then  $\frac{x}{a} + \frac{y}{b}$  is equal to

- (a)  $4(a^2 + b^2)$  (b)  $4(a^2 - b^2)$   
(c)  $4(b^2 - a^2)$  (d) None of these

44. If  $\frac{\cos A}{3} = \frac{\cos B}{4} = \frac{1}{5}$ ,  $-\frac{\pi}{2} < A < 0, -\frac{\pi}{2} < B < 0$ , Then value of  $2 \sin A + 4 \sin B$  is

$$\sin \frac{\cos A}{3} = \frac{\cos B}{4} = \frac{1}{5}, -\frac{\pi}{2} < A < 0, -\frac{\pi}{2} < B < 0$$

0,;fn rks dk eku gksxkA

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

45. The value of  $\tan 75^\circ - \cot 75^\circ$  is

$75^\circ - \cot 75^\circ$  cjkckj gS

- (a)  $2\sqrt{3}$  (b)  $2 + \sqrt{3}$   
(c)  $2 - \sqrt{3}$  (d) 1

46. If  $\tan \theta = \frac{1}{2}$  and  $\tan \phi = \frac{1}{3}$ , then the value of

$\theta + \phi$   
is

;fn  $\tan \theta = \frac{1}{2}$   $\tan \phi = \frac{1}{3}$  rks  $\theta + \phi$  dk

eku gksxk

- (a)  $\frac{\pi}{6}$  (b)  $\pi$   
(c) 0 (d)  $\frac{\pi}{4}$

47. If  $x = 2 + 3 \cos \theta$  and  $y = 1 - 3 \sin \theta$  represent a circle then the centre and radius

;fn rFkk , d o`Rr dks fu: fir djrk gS rks o`Rr dk dsUnz rFkk f=T;k gksxhA

- (a) (2,1), 9 (b) (2,1), 3  
(c) (1,2), 1/3 (d) (-2,-1), 3

48. Length of the intercept cut off by the circle

$x^2 + y^2 + 4x - 7y + 12 = 0$  on y-axis is

o`Rr  $x^2 + y^2 + 4x - 7y + 12 = 0$  }kjk y&v{k ij dkVs x;s vUr%[k.M dh yEckbZ gksxhA

- (a) 1 (b) 3  
(c) 4 (d) 7

49. The point on the parabola  $y^2 = 8x$  at which the normal is parallel to the line  $x - 2y + 5 = 0$  is

ijoy;  $y^2 = 8x$  ij og fcUnq ftl ij [khapk x;k vfHkyEc js[kk  $x - 2y + 5 = 0$  ds lkUrj gS

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

50. If  $t_1$  and  $t_2$  be the parameters of the end points of a focal chord for parabola  $y^2 = 4ax$ , then which one is true

ijoy; dh ukHkh; thck ds flj RkFkk gS rks fuEu esa dkSu lk dFku lR; gSA

- (a)  $t_1 t_2 = 1$  (b)  $\frac{t_1}{t_2} = 1$   
(c)  $t_1 t_2 = -1$  (d)  $t_1 + t_2 = -1$

**G.K.**

51. Which one of the following states receives lowest average annual rainfall?

कौन सा राज्य सबसे कम वर्षा प्राप्त करता है

- (a) Himachal Pradesh (b) J & K  
(c) Madhya Pradesh (d) Odisha  
(a) हिमाचल प्रदेश (b) J & K  
(c) मध्य प्रदेश (d) ओडिशा

52. Who among the following is popularly known as Nightingale of India?

निम्नलिखित में से कौन भारत कोकिला के नाम से जाना जाता है

- (a) Lata Mangeshkar (b) Asha Bhansli  
(c) Vijay Lakshmi Pandit (d) Sarojini Naidu  
(a) लता मंगेशकर (b) आशा भंसले  
(c) विजय लक्ष्मी पंडित (d) सरोजिनी नायडू

53. The ministry of railways inaugurated India's first CNG-powered train on the .....line.

रेल मंत्रालय ने भारत की पहली सीएनजी से चलने वाली ट्रेन का उद्घाटन किस रूट में किया

- (a) Delhi-Chandigarh (b) Delhi-Hisar  
(c) F-18 (d) SAAb-Gripen  
(a) दिल्ली-चंडीगढ़ (b) दिल्ली-हिसार  
(c) F-18 (d) SAAb-Gripen

54. India has recently purchased which fighter aircraft from a European nation?

भारत ने यूरोप के 1 देश से हाल ही में कौन से लड़ाकू विमान खरीदे

- (a) Eurofighter (b) Rafael  
(c) Rewari-Rohtak (d) Mumbai-Pune  
(a) यूरोफाइटर (b) राफल  
(c) रेवाड़ी-रोहतक (d) मुंबई-पुणे

55. The International Women of courage awards is given out by?

इंटरनेशनल वूमन ऑफ करेज अवार्ड किसके द्वारा दिया जाता है

- (a) OECD  
(b) US department of states  
(c) United Nations  
(d) Amnesty International

- (a) OECD (b) अमेरिकी राज्यों का विभाग  
(c) संयुक्त राष्ट्र (d) एमनेस्टी इंटरनेशनल

56. Who was the first Indian Governor General of free India?

स्वतंत्र भारत का प्रथम गवर्नर जनरल कौन थे

- (a) Lord Louis Mountbatten  
(b) Jawaharlal Nehru  
(c) Sadar Vallabhbhai Patel  
(d) C Rajagopalachari

- (a) लॉर्ड लुईस माउंटबेटन  
(b) जवाहरलाल नेहरू  
(c) सदर वल्लभभाई पटेल  
(d) C राजगोपालाचारी

57. Where was the last battle that Ashoka fought?

अशोक ने अपना अंतिम युद्ध कहां लड़ा था

- (a) Malaya (b) Kalinga  
(c) Cochin (d) None of these  
(a) मलाया (b) कलिंग  
(c) कोचीन (d) इनमें से कोई नहीं

58. Who is the author 'Meghdoot'?

मेघदूतम के रचयिता कौन हैं

- (a) Kalidas (b) Tulsidas  
(c) Kautilya (d) Vedvyas  
(a) कालिदास (b) तुलसीदास  
(c) कौटिल्य (d) वेदव्यास

59. Which of these does not form part of the parliament?

निम्नलिखित में से कौन संसद का एक भाग नहीं है

- (a) President (b) Lok Sabha  
(c) Chief Justice (d) None of these  
(a) राष्ट्रपति (b) लोकसभा  
(c) मुख्य न्यायाधीश (d) इनमें से कोई नहीं

60. Who preside over the Rajya Sabha

राज्य सभा की अध्यक्षता कौन करता है

- (a) Vice President  
(b) Speaker of Lok Sabha  
(c) Chief Justice of India  
(d) Prime Minister

- (a) उपराष्ट्रपति (b) लोकसभा अध्यक्ष  
(c) भारत के मुख्य न्यायाधीश (d) प्रधान मंत्री

61. Bihu is the traditional dance of which state?

बिहू किस राज्य का सांस्कृतिक नृत्य है

- (a) Bihar (b) Assam  
(c) Punjab (d) None of these  
(a) बिहार (b) असम  
(c) पंजाब (d) इनमें से कोई नहीं

62. London is situated on banks of which river?

लंदन किस नदी के किनारे स्थित है

- (a) James (b) Hudson  
(c) Thames (d) Hawkesbury  
(a) जेम्स (b) हडसन  
(c) थेम्स (d) हॉक्सबरी

63. With the help of Map you can find

.....

मानचित्र की सहायता से क्या क्या पता लगाया

जा सकता है

- (a) Distance (b) Direction  
(c) Height (d) All of these  
(a) दूरी (b) दिशा  
(c) ऊँचाई (d) ये सभी

64. In whose reign Chinese Pilgrim Fahyan visited

चीनी यात्री फाह्यान किसके शासनकाल में आया था

- (a) Samudra Gupta (b) Harshvardhan  
(c) Chander Gupta (d) Chander Gupta-II  
(a) समुद्र गुप्ता (b) हर्षवर्धन  
(c) चंद्र गुप्ता (d) चंद्र गुप्त- II

65. Olympic Games is held After span of:

ओलंपिक खेलों का आयोजन कितने समय

अंतराल के बाद होता है

- (a) 4 Years (b) 12 Years



- (c) 8 Years (d) 10 Years  
 (a) 4 वर्ष (b) 12 वर्ष  
 (c) 8 वर्ष (d) 10 वर्ष

66. The longest river in the world is:

- विश्व की सबसे लंबी नदी कौन सी है  
 (a) Nile (b) Ganges  
 (c) Brahmaputra (d) Amazon  
 (a) नौ (b) गंगा  
 (c) ब्रह्मपुत्र (d) अमेज़न

67. Vande mataram means

- वंदे मातरम का क्या अर्थ है  
 (a) Salute to the mother land  
 (b) Salute to the Maa Durga  
 (c) Salute to the undivided India  
 (d) None of these  
 (a) मातृ भूमि को सलाम  
 (b) माँ दुर्गा को प्रणाम  
 (c) अविभाजित भारत को सलाम  
 (d) इनमें से कोई नहीं

68. First Passenger train in India ran from Mumbai to:

- (a) Pune (b) Thane  
 (c) Surat (d) None of these  
 (a) पुणे (b) ठाणे  
 (c) सूरत (d) इनमें से कोई नहीं

69. Which is the place in the North East where Azad Hind Fauj was defeated by the British in 1944?

- उत्तर पूर्व में वह कौन सी जगह है जहां 1944 में आजाद हिंद फौज को अंग्रेजों ने हराया था?  
 (a) Agartala (b) Kohima  
 (c) Imphal (d) None of these  
 (a) अगरतला (b) कोहिमा  
 (c) इम्फाल (d) इनमें से कोई नहीं

70. Independence Day speech by PM of India is delivered from .....

- भारत के प्रधान मंत्री द्वारा स्वतंत्रता दिवस भाषण ..... से दिया जाता है।  
 (a) Gateway of India (b) Red fort  
 (c) India Gate (d) None of these

- (a) गेटवे ऑफ इंडिया (बी) लाल किला  
 (c) इंडिया गेट (d) इनमें से कोई नहीं

71. Vishwanath Anand is related to which sport?

- विश्वनाथ आनंद किस खेल से संबंधित हैं?  
 (a) Cricket (b) Kabbadi  
 (c) Chess (d) None of these  
 (a) क्रिकेट (b) कबड्डी  
 (c) शतरंज (d) इनमें से कोई नहीं

72. India's first war of independence started in which year?

- भारत की स्वतंत्रता का पहला युद्ध किस वर्ष में शुरू हुआ था?  
 (a) 1857 (b) 1913  
 (c) 1953 (d) None of these

73. Kaziranga National Park is known for which animal?

- काजीरंगा राष्ट्रीय उद्यान किस जानवर के लिए जाना जाता है?  
 (a) Rhinoceros (b) Nilgai  
 (c) Lion (d) None of these  
 (a) गैंडा (बी) नीलगाय  
 (c) सिंह (d) इनमें से कोई नहीं

74. Largest fresh water lake in india is:

- भारत की सबसे बड़ी ताज़ी पानी की झील है:  
 (a) Dal Lake (b) Wullar lake  
 (c) Renuka (d) Govind Sagar  
 (a) डल झील (b) वुलर झील  
 (c) रेणुका (d) गोविंद सागर

75. The first women Chief Minister of a State in free India was

- स्वतंत्र भारत में किसी राज्य की पहली महिला मुख्यमंत्री थीं  
 (a) sucheta Kriplani (b) Indira Gandhi  
 (c) Phoolan Devi (d) None of these  
 (a) सुचेता कृपलानी (b) इंदिरा गांधी  
 (c) फूलन देवी (d) इनमें से कोई नहीं

#### REASONING

76. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷'

represents '-'. What is the answer to the following question?

$$12 \times 6 \div 5 + 4 = ?$$

fdlh dksM Hkk"kk esa ,+' dk  
eryc 'x',gS-'dk eryc '-gS  
vkSj '-dk eryc '-gSA  
fuEufyf[kr iz'u dk mRrj  
D;k gS\

$$12 \times 6 \div 5 + 4 = ?$$

- (a) 8 (b) -18  
(c) 42 (d) 18

77. A woman in a shopping complex walks 150 m East, then she turns North and walks 180 m, then she turns West and walks 70 m, then she turns to her left and walks 180 m. Where is she now with reference to her starting position?

,d 'kkWfi ax dkWEIysDl esa  
,d efgyk 150 ehVj iwoZ dh  
vksj pyr gS] fQj og mRRkj  
dh vksj eqM+ tkrh gS vkSj  
180 ehVj pyr gS] fQj  
if'pe dh vksj eqM+ tkrh gS  
vkSj 70 ehVj pyr gS] fQj  
og viuh ckbZ vksj eqM+  
tkrh gS vkSj 180 ehVj pyr  
gSA og viuh izkjafHkd  
fLFkfr ls vc dgka gSa\

- (a) 80 m west (ehVj if'pe)  
(b) 220 m East 220 (ehVj if'pe)  
(c) 80 m East 80 (ehVj iwoZ)  
(d) 220 m West 220 (ehVj if'pe)

78. In a row, there are 6 boys between A and B and A being the first boy in row. There are 3 boys between B and C. If there are 12 boys after C, then how many minimum boys are there in the row?

,d iafDr esa] A rFkk ds e/;  
esa 6 yM+ds gS rFkk A  
iafDr esa lcls igyk yM+dk  
Gsa B rFkk C ds e/; esa 3  
yM+ds gSA ;fn C ds i'pkr  
12 yM+ds gks ]rks iafDr

esa de ls de fdrus yM+ds  
gS\

- (a) 20 (b) 16  
(c) 24 (d) 18

79. In the following question, select the word which cannot be formed using the letters of the given word. INFORMATION

fuEufyf[kr fodYiksa esa ls  
og 'kCn pqfu, tks fn, x,  
'kCn ds v{kjksa dk iz;ksx  
djds ugha cuk;k tk ldrkA

- (a) NATION  
(b) INFRA  
(c) RATION  
(d) MATER

80. If  $8 \theta 12 \delta 6 = 60$  and  $13 \theta 15 \delta 11 = 74$ , then  $18 \theta 21 \delta 15 = ?$

;fn  $8 \theta 12 \delta 6 = 60$  rFkk  $13 \theta 15 \delta 11$   
 $= 74$  gks] rks  $18 \theta 21 \delta 15 = ?$

- (a) 161 (b) 139  
(c) 153 (d) 147

81. In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

a\_c a a b \_ a \_ b c a a b \_ a \_ b \_ a  
fuEufyf[kr iz'u esa  
v{kjksa dk dkSu lk lewg  
[kkyh LFkkuksa ij Øeokj  
j[kus ls nh xbZ v{kj  
J`a[kyk dks iwjk djsxk\

- a\_c a a b \_ a \_ b c a a b \_ a \_ b \_ a  
(a) Cbacba (b) bcacac  
(c) acbaca (d) bbacaa

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

9,10,13,22,49 ?

fuEufyf[kr iz'u esa fn, x,  
fodYiksa esa ls yqIr vad  
Kkr dhft,A

9,10,13,22,49 ?

- (a) 117 (b) 126  
(c) 115 (d) 130



83. Select the related word from the given alternatives. Lips : Smile :: Eyes : ?  
fn; s x, fodYiksa esa ls  
lacaf/kr `kCn dks pqfu, A  
gksaB%eqLdku%%vk; [ksa%\

- (a) Black dkyk (b) Wink >idh  
(c) Two nks (d) Spectacles  
p'ek

84. Select the related letters from the given alternatives.  
fn, x, fodYiksa esa ls  
lacaf/kr v{kjksa dks  
pqfu, A

- (a) XZZ (b) YBD  
(c) BDF (d) ZBD

85. Select the related number from the given alternatives.  
357:714::468:?  
fn, x, fodYiksa esa ls  
lacaf/kr la[;k dks pqfu, A  
357:714::468:?

- (a) 579 (b) 417  
(c) 936 (d) 864

86. Select the odd word from the given alternatives.

fn, x, fodYiksa esa ls  
fo"ke `kCn dks pqfu, A

- (a) Almond cknke (b) Dates [ktqj  
(c) Walnut v[kjksV (d) Cashew  
dktw

87. Select the odd letters from the given alternatives.

fn, x, fodYiksa esa ls  
fo"ke v{kjksa dks pqfu, A  
(a) XWV (b) RQP (c) HFE (d) MLK

88. Select the odd number from the given alternatives.

fn, x, fodYiksa esa ls  
fo"ke la[;k dks pqfu, A  
(a) 23 (b) 29  
(c) 37 (d) 33

89. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. F, I, M, P, T, ?  
, d vuqøeu fn;k x;k gS]  
ftlesa ,d in yqIr gSA fn,  
x, fodYiksa esa ls lgh  
fodYi pqfu, tks vuqøe dks  
iwjk djsA  
F, I, M, P, T, ?  
(a) W (b) X (c) Y (d) Z

90. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 72, 65.7, ?  
, 53.1, 46.8

, d vuqøe fn;k x;k gS]  
ftlesa ,d la[;k yqIr gSA  
fn, x, fodYiksa esa ls og  
lgh fodYi pqfu, tks vuqøe  
dks iwjk djsA 72, 65.7, ?, 53.1,  
46.8  
(a) 59,4 (b) 60,4  
(c) 59,3 (d) 60,3

91. Kavya's birthday is on Tuesday 4th July. On what day of the week will be Anika's Birthday in the same year, if Anika was born on 15th August?

dkO;k dk tUefnu 4 tqykbZ]  
fnu eaxyokj dks gSA ;fn  
vfudk dk tUe 15 vxLr dks  
gqvk Fkk] rks mlh o"kZ  
vfudk dk tUefnu lIrk g ds  
fdl fnu gksxk\  
(a) Wednesday cq/kokj  
(b) Friday `kqøokj  
(c) Saturday `kfuokj  
(d) Tuesday eaxyokj

92. The weights of 4 boxes are 70, 100, 20 and 40 kilograms. Which of the following cannot

be the total weight, in kilograms, of any combination of these boxes?  
 Pkj cDlksa dk out 70, 100, 20  
 vkSj 40 fdyksxzke gSA  
 fuEufyf[kr esa ls cDlksa  
 ds fdlh Hkh la;kstu ls dqy  
 otu fdyksxzke esa dkSu lk  
 ugha gks ldrk\  
 (a) 230 (b) 190 (c) 160 (d) 200

93. From the given words, select the word which cannot be formed using the letters of the given word. SYMBOLIC  
 fuEufyf[kr fodYiksa esa ls  
 og 'kCn pqfu, tks fn, x,  
 'kCn ds v{kjksa dk iz;ksx  
 djds ugha cuk;k tk ldrk %  
 (a) BASIC (b) SMILY  
 (c) CLIMB (d) COILS

94. If HEROISM is coded as SVILRHN, then how will ALP be coded as?  
 ;fn HEROISM dks fdlh dksM  
 esa HEROISM fy[kk tkrk gS]  
 rks ALP dks mlh dksM esa  
 D;k fy[kk tk, xk\  
 (a) LITV (b) ZGD  
 (c) SGD (d) ZOK

95. If  $23@5=56$ ;  $6@7=26$ ;  $5@2=14$ ; then what is the value of  $7@5=?$   
 ;fn  $23@5=56$ ;  $6@7=26$ ;  $5@2=14$ ; rks  
 $7@5=?$  dk eku Kkr dhft, A  
 (a) 26 (b) 24 (c) 19 (d) 52

96. A and B start from the same point. A cycles 10 km South, then turns to her right and cycles 9 km. B cycles 2 km North, then turns West and cycles 15km, then turns to her left and cycles 12 km. Where is B with respect to A now?  
 A vkSj B ,d gh fcanq ls  
 'kq: djrs gSa A 10 fdyks  
 ehVj nf{k.k dh vksj lkbfdy  
 pykrk gS] fQj viuh nkbZ  
 vksj eqM+ tkrk gS vkSj 9  
 fdyksehVj lkbfdy pykrk gSA  
 B 2 fdyksehVj mRRkj vksj

lkbfdy pykrk gS] fQj if'pe  
 dh vksj eqM+ tkrk gS vkSj  
 15 fdyksehVj pykrk gS] fQj  
 viuh ckbZ vksj tkrk gS  
 vkSj 12 fdyks ehVj lkbfdy  
 pykrk gSA A dh fLFkfr ls  
 vc B dgka ij gS\  
 (a) 6 km West fdyks ehVj  
 if'pe  
 (b) 6 km East fdyks ehVj iwoZ  
 (c) 24 km West fdyks ehVj  
 if'pe  
 (d) 24 km East fdyks ehVj iwoZ  
 (e)

97. In the following question, select the related word from the given alternatives. Umbrella : Rain :: Sweater : ?  
 fuEufyf[kr iz'u esa fn, x,  
 fodYiksa es ls lacaf/kr  
 'kCn dks pqfu, A  
 Nkrk% o"kkZ %% LosVj%\  
 (a) Wood ऊन (b) Wear पहनना  
 इद्द Summer ग्रीष्म (d) Cold ठण्ड

98. In the following question, select the odd letters from the given alternatives.  
 fuEufyf[kr iz'uksa esa fn,  
 x, fodYiksa esa ls fo"ke  
 v{kjksa dks pqfu, A  
 (a) IMOR (b) ORIL  
 (c) UXCF (d) ADWZ

99. If  $75\$26=4,69\$ 53=7$  then what is the value of  $82\$46=?$   
 ;fn  $75\$26=4,69\$ 53=7$  rks  $82\$46=?$   
 dk eku Kkr dhft; sA  
 (a) 62 (b) 56 (c) 0 (d) 9

100. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. PNR, RQV, TTZ, ?, XZH  
 Ng o"kkZ iwoZ ijost dh vk;q  
 euh" k dh orZeku vk;q ds  
 cjkckj FkhA ;fn ijost dh

orZeku vk;q euh" k dh  
orZeku vk;q ls ,d pkSFkbbZ  
vf/kd gS] rks fdrus  
o" kksZa esa ijost dh vk;q  
euh" k dh orZeku vk;q dh  
nqxquh gks tk, xh\

- (a) 6                      (b) 12  
(c) 15                     (d) 18



THE FIRST STEP TOWARDS  
YOUR DEFENCE DREAM