

# APTITUDE TEST: BBA/BCA

Name: \_\_\_\_\_ Father's Name: \_\_\_\_\_

Email: \_\_\_\_\_ Mobile No.: \_\_\_\_\_

Address: \_\_\_\_\_

XIth %age: \_\_\_\_\_ Stream: \_\_\_\_\_

Directions: In question nos. 1 to 3, select the related words/letters/numbers from the given alternatives.

1. Safe: Hazardous: Former: ?

- a) Past
- b) Latter
- c) Harmful
- d) Last

2. 42: 36: 25: ?

- a) 20
- b) 48
- c) 39
- d) 49

3. BDF: GBK:: LNP: ?

- a) QLU
- b) QRT
- c) OSU
- d) QTU

Directions (Q.4-6): Find the odd word/ letters/ number-pair from the given alternatives.

4. 1) Shrub      2) Herb      3) Flower      4) Tree

5. 1) MLKJ      2) QPON      3) UTSR      4) ZYWV

6. 1) (63, 162)      2) (34, 85)      3) (85, 136)      5) (102, 153)

7. Arrange the following words as per the order in the English dictionary.

English dictionary.

1) Rigour      2) Remove      3) Retrospect      4) Revive      5) Rumour

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

8. Which set of letters when sequentially placed at the gaps in the given letter series shall complete it?

\_hi\_gi\_hi h\_i\_hi hg\_

1) ghghig      2) ghghi      3) ghggi      4) ghghi

Directions: in question nos. (9-10), find the missing number in the following series.

9. 6, 13, 28, 59, ?

- a) 108
- b) 159

c) 122

d) 118

**10.** 4, 12, 36, 108, ?

a) 216

b) 124

c) 304

- d) 324
11. Z is sister of Y. Y is married to W. Y. and W have a daughter G. How ages of G related to Z?
- Sister
  - Niece
  - Daughter
  - Cousin
12. A is as much younger than V as he is older than T. If the total of the ages of V and T is 48 years, how old is A?
- 18 years
  - 24 years
  - 26 years
  - Can't be determined
13. From the given alternative words, select the one that cannot be formed by using the letters of the given word:  
ALTERNATIVE
- EARN
  - LATTER
  - INNATE
  - RAIN
14. If in a code language SPORT is written as QRMTR, then how is LOGIC written in that code language?
- NQEKF
  - JQEKA
  - AKEQJ
  - JMEGA
15. If  $5 + 3 = 34$ , and  $6 + 4 = 52$  then,  $3 + 7 = ?$
- 64
  - 45
  - 36
  - 58
16. If P denotes  $\div$ , Q denotes  $\times$ , R denotes  $+$ , and S denotes  $-$ , then what is the value of?  
 $14 Q 27 P 9 R 5 S 19$
- 47
  - 42
  - 28
  - 32
17. Select the missing number from the given alternatives.

10	2	5
21	?	3
12	3	4

- 1) 5   2) 15   3) 8   4) 7

18. Consider the given statements to be true and decide which of the given conclusions can definitely be drawn from the given statements.

Statement: All registers are books.

No register is a file.

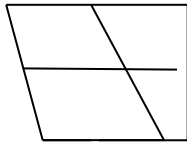
Conclusions:

I. All books are not files.

II. Some books are not registers.

- a) Only I follows.  
 b) Only II follows.  
 c) Neither I Nor II follows.  
 d) Both I and II follow.

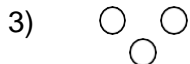
19. How many triangles are there in the given figure?



- a) 18  
 b) 20  
 c) 19  
 d) 16

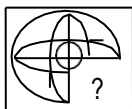
20. Which of the following figures represents the following relationship?

Letter, Word, Book

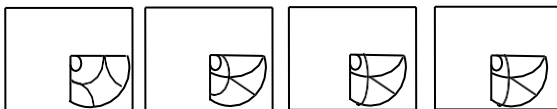


21. Which answer figure will complete the pattern in the question figure?

Questions Figure



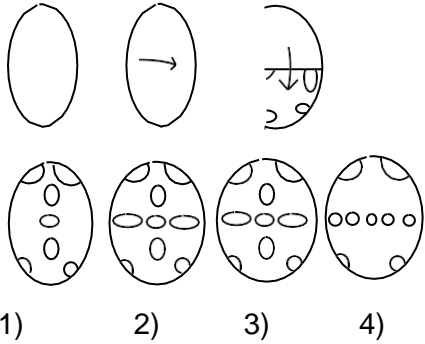
Answer Figures



- a)      B)      c)      d)

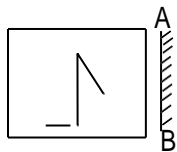
22. A piece of paper is folded and cut as shown below in the question figures. Form the given answer figures, indicate how it will appear when opened.

Question Figure

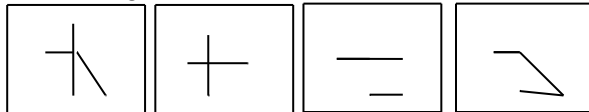


23. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

Question Figure

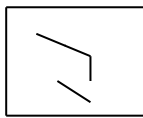


Answer Figures

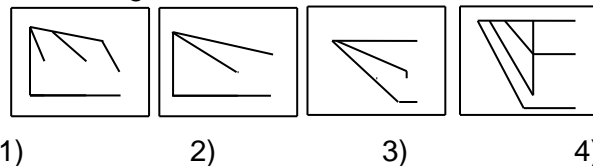


24. From the given answer figures, select the one in which the question figure is hidden/ embedded.

Question Figure



Answer Figures



25. In this question, the sets of numbers given in the alternatives are represented. The columns and rows of matrix I are numbered from 0 to 4 and that matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, eg 'A' can be represented by 02, 10 etc and 'B' can be represented by 57, 65, etc. Similarly you have to identify the set of numbers for the word 'FADE'.

Matrix-I					
	0	1	2	3	4
0	I	E	A	O	U
1	A	O	U	I	E
2	E	I	O	U	A
3	O	U	E	A	I
4	U	A	I	E	O

Matrix-II					
	5	6	7	8	9
5	F	D	B	G	H
6	B	G	H	F	D
7	D	F	G	H	B
8	G	H	D	B	F
9	H	B	F	G	D

- A) 89, 10, 96, 41  
 B) 68, 20, 57, 14  
 C) 55, 33, 65, 23  
 D) 76, 02, 75, 32
26. Who among the following was popularly known as “Gurudev”?  
 a) Sarat Chandra Chatterjee  
 b) Ramakrishna Paramhans  
 c) Rabindranath Tagore  
 d) Satyajit Ray
27. Which of the following is also used to heat food in kitchen?  
 a) X-ray  
 b) Ultraviolet ray  
 c) Radio waves  
 d) Microwaves
28. The removal or loosening of restrictions on something typically in an economic or political system, is termed as?  
 a) Protectionism  
 b) Industrialization  
 c) Mechanisation  
 d) Liberalization
29. The ninth Sikh Guru, Guru Tegh Bahadur, was beheaded in 1675 in Delhi on the orders of the Mughal emperor  
 a) Akbar  
 b) Jahangir  
 c) Aurangzeb  
 d) Shah Jahan
30. Jay prakash Narayan had proposed which of the following in India?  
 a) Presidential form of democracy  
 b) One-party democracy  
 c) Party less democracy  
 d) Two-party democracy
31. The prime Minister Kisan Sampada Yojana is Govt’s flagship programme for boosting investment in India?  
 a) Agro-marine processing

- b) Dairy farming
  - c) Fisheries
  - d) Waste recycling
- 32.** Which of the following is the 'most invited' nation (as chief) guest) during India's Republic Day celebrations so far?
- a) Japan
  - b) US
  - c) France
  - d) Russia
- 33.** What amount has been allocated by the govt for the MGNREGA scheme for the fiscal year 2018-19?
- a) Rs. 48,000
  - b) Rs. 52,000
  - c) Rs. 55,000
  - d) Rs, 56,000
- 34.** What is the SI unit for the intensity of light?
- a) Newton
  - b) Kelvin
  - c) Candela
  - d) Radian
- 35.** The Mamluk Dynasty was found by who among the following?
- a) Qutb ud-din Aibak
  - b) Ghiyas ud-din Balban
  - c) Alauddin Khalji
  - d) Iltumish
- 36.** Which of the following devices sends and receives data over telephone lines?
- a) Repeater
  - b) Gateway
  - c) Router
  - d) Modem
- 37.** Which of the following is an instrument used for measuring electric current in units of ampere
- a) Dynamometer
  - b) Ammeter
  - c) Caliper
  - d) Anemometer
- 38.** Which of the following is NOT correct with respect to the post prime minister of India?
- a) PM is the Leader of the executive branch of the Govt of India.
  - b) PM must be a member of the Lok Sabha.
  - c) PM is the head of Council of Ministers
  - d) PM is the chief adviser to the president of India
- 39.** Rohit Sharma hit his third double-century, playing against Sri Lanka in which of the following Stadiums in 2017?

- a) PCA Stadium Mohali
  - b) Eden Garden, Kolkata
  - c) Wankhede Stadium, Mumbai
  - d) Chepauk Stadium, Chennai
40. In the recent past, New Delhi had witnessed the menace of air pollution and smog. Which of the following is NOT one of the factors responsible for the same?
- a) Stubble burning in neighbouring states
  - b) Thin population in the capital
  - c) Inefficient public transport
  - d) Large-scale construction
41. "Mitra Shakti" is the name of a joint military training exercise conducted regularly between India and.
- a) Maldives
  - b) Bhutan
  - c) Sri Lanka
  - d) Nepal
42. The chemical reaction that involves the gaining of electrons by one of the atoms involved in the reaction is called?
- a) Oxidation
  - b) Reduction
  - c) Synthesis
  - d) Precipitation
43. When a govt. agency, especially courts, acts on its own cognisance, it is said to be acting?
- a) Quo Warranto
  - b) Suo Motu
  - c) Exempli Gratia
  - d) Quod Erat Demonstrandum
44. Who among the Following discovered the hormone insulin with Charles H Best?
- a) Karl Landsteiner
  - b) Frederick Banting
  - c) Robert Koch
  - d) Paul Muller
45. Which of the following diseases is caused by protozoa?
- A) Measles
  - B) Leprosy
  - C) Plague
  - D) Malaria
46. The period in an organism's life cycle when growth, development and (in animals) physical activity are temporarily stopped (helping in conserving energy) is called
- a) Dormancy
  - b) Transpiration
  - c) Anabolism



- d) Catabolism
47. The English language weekly named young India was published from 1919 to 1931 by
- Vallabhbhai patel
  - Subhas Chandra Bose
  - Bhagat Singh
  - MK Gandhi
48. All of the following rivers flow to the Bay of Bengal except.
- Narmada
  - Mahanadi
  - Godavari
  - Krishna
49. \_\_\_\_\_ is a volcano located in the north western pacific Ocean and after being recognized as a single volcano, it is the largest known volcano on Earth.
- Mount Vesuvius
  - Tamu Massif
  - Mount Etna
  - Ojos del Salado
50. The Constitution of India specifies eligibility requirements for post of Governor of a state. Which of the following is NOT one of them? The person must.
- Be a citizen of India
  - Be at least 35 years of age
  - Be a member of the either house of the parliament
  - Not hold any other office of profit
51.  $B0B \times 1A = 4A4A$  and  $AB < 20$   
If  $B0B$  and  $1A$  both are a multiple of 3 then find the value of  $A$ .
- 2
  - 5
  - 7
  - 6
52. What is the remainder when  $9^{100}$  is divided by 8?
- 1
  - 5
  - 7
  - 6
53. Mohan lent Rs. 10000 for 4 years at  $2r\%$  interest rate. Radha lent Rs. 5000 for 8 years  $r\%$  interest rate. If Mohan got Rs $x$  as simple interest, how much did Radha get?
- Rs.  $\frac{3x}{2}$
  - Rs.  $\frac{x}{2}$
  - Rs.  $\frac{3x}{2}$
  - None of these

54. A man covers  $\frac{1}{3}$  of his journey at 10 km/hr. Then he breaks his journey into two equal halves and covers them each at 15 km/hr and 30 km/hr respectively. His average speed is
- 5 km/hr
  - 10 km/hr
  - 15 km/hr
  - $27\frac{1}{2}$  km/hr
55. Walking  $\frac{4}{5}$  of his usual speed, a person is 10 minutes late to his office. Find his usual time to cover the distance?
- 30 minutes
  - 50 minutes
  - 40 minutes
  - 25 minutes
56. A dishonest shopkeeper has a milk container having milk and water in the ratio 3 : 2. He added 10 liters water in the container and sold the mixture at cost price. If he made 100% profit, then find the amount of milk in the container.
- 50 liters
  - 20 liters
  - 30 liters
  - None of these
57. If  $\frac{\square\square 9}{\square\square} = 7$  and  $\frac{\square\square^2}{\square\square^2} = \frac{\square\square^2 - \square\square}{\square\square^2 - 49}$  then find the value of t.
- 64
  - 49
  - 81
  - 36
58. The sum of the ages of 4 members of a family 5 years ago was 94 years. Today when the daughter has been married off and replaced by daughter-in-law the sum of their ages is 92 years. If all the persons in the family are alive, find the difference between the age of the daughter and that of the daughter-in-law.
- 11 years
  - 22 years
  - 25 years
  - 16 years
59. Find the next number in the series.  
15 23 33 45 ?
- 59
  - 60
  - 58
  - 76
60. There are two containers having alcohol and water in the ratio 3 : 2 and 4 : 3 respectively. To get a mixture having ratio 10 : 7 we have to mix them in the ratio

- a) 7 : 10
- b) 10 : 7
- c) 5 : 7
- d) None of these

61. If 10 men or 8 women can plough a 10-acre field in 46 days, how long would 8 men and 12 women take to plough a 19-acre field?

- a) 19 days
- b) 23 days
- c) 20 days
- d) 38 days

62. A garrison having 225 soldiers has food for 35 days. After 28 days more soldiers come to the camp. If the food last 2 days short of schedule, how many soldiers come to the camp after 28 days?

- a) 100
- b) 90
- c) 75
- d) 81

63. If  $\frac{5}{1-\frac{3}{5}} = 3$ , find the value of  $\sec \theta$ .

- a)  $\frac{5}{3}$
- b)  $\frac{3}{5}$
- c)  $\frac{3}{5}$
- d) None of these

64. If  $\frac{\sin \theta}{\cos \theta} = \frac{\sin \theta}{\cos \theta}$ , then  $\sin \left(\frac{\theta}{2}\right)$  is equal to

- a) 1
- b) 0
- c)  $\frac{\sqrt{3}}{2}$
- d)  $\frac{1}{\sqrt{2}}$

65. For  $0^\circ \leq \theta \leq 90^\circ$ , which of the following can't be the value of  $\tan \theta + \cot \theta$ ?

- a)  $2\sqrt{2}$
- b)  $\sqrt{5}$
- c)  $\sqrt{3}$
- d) 3

66. For what values of P is the expression  $t \pm \frac{10}{3} \sqrt{t^2 + P^2} + 1$  a perfect square?

- a)  $\pm \frac{4}{5}$
- b)  $\pm \frac{4}{3}$
- c)  $\pm \frac{5}{3}$
- d)  $\frac{4}{5}$  or  $\frac{4}{3}$  or  $\frac{5}{3}$

67. If  $a + b + c = 0$  and  $x = y + z$  then  $\frac{(x-y)^2}{(x+y)(x+z)} + \frac{(y+z)^2}{(x-y)(x+z)} + \frac{(x+z)^2}{(x-y)(x+y)}$  is equal to.

- a) -3
- b) 1
- c) 3
- d)  $(x - y)^2 - (y + z)^2 - (x + z)^2$

68. If  $x^2 - 2 = yz$ -

$$(y+z) Y^2 - 2 = zx -$$

$$(z+x)$$

$$Z^2 - 2 = xy - (x+y)$$

Then, find

$$\frac{x+1}{(x-1)(x-1)} + \frac{x+1}{(x-1)(x-1)} + \frac{x+1}{(x-1)(x-1)}$$

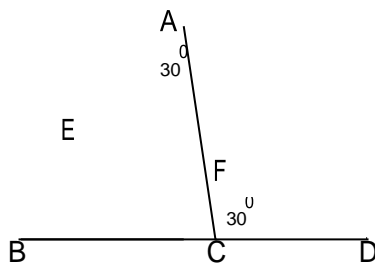
a)  $\frac{1}{x-1} + \frac{1}{x-1} + \frac{1}{x-1}$

b)  $\frac{(x+1)(x-1)(x-1)}{(x+1)(x-1)(x-1)}$

c)  $\frac{(x-1)(x-1)(x-1)}{(x-1)(x-1)(x-1)}$

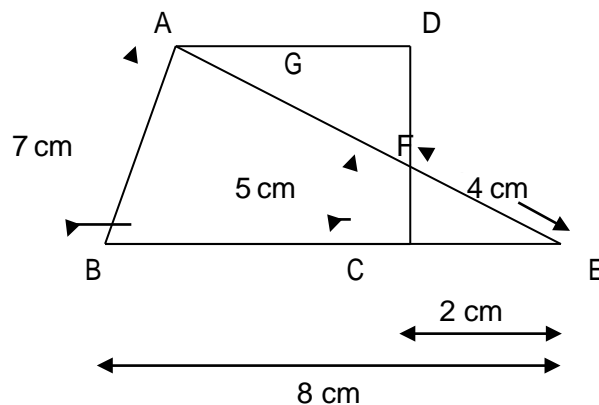
d)  $\frac{(x+1)(x-1)(x-1)}{(x-1)(x-1)(x-1)}$

69. In the given figure if  $AE = EC = CD$  and  $\angle EDC = \angle EAC = 30^\circ$ , then find  $\angle AED$ .



- a)  $60^\circ$
- b)  $45^\circ$
- c)  $90^\circ$
- d)  $30^\circ$

70. In the given figure ABCD is a parallelogram,  $AB = 7$  cm,  $BE = 8$  cm,  $CE = 2$  cm,  $EF = 4$  cm,  $CF = 5$  cm. find  $GF$ .

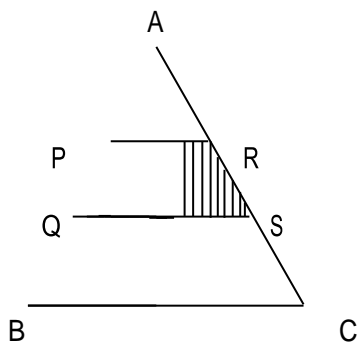


- a)  $\frac{28}{3}$  cm
- b)  $\frac{14}{3}$  cm
- c)  $\frac{8}{3}$  cm
- d)  $\frac{28}{5}$  cm

71. There are two cones. The curved surface area of one is twice that of the other. The slant height of the latter is thrice that of the former. The ratio of their radii is.

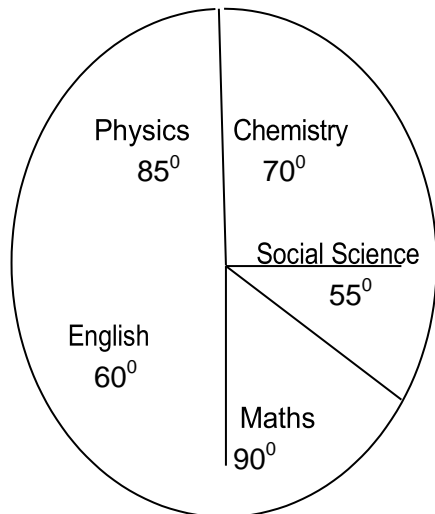
- a) 4 : 1
- b) 3 : 1
- c) 6 : 1
- d) 1 : 6

72. Given a triangle ABC. AB is trisected by P and Q and AC by R and S. The area of the shaded region (PQSR) is what per cent of the area of the triangle ABC?



- a)  $66\frac{2}{3}\%$
- b)  $33\frac{1}{3}\%$
- c)  $11\frac{1}{3}\%$
- d) None of these

Directions (Q. 73-75): Given pie-chart shows the marks secured by a student in an examination in various subjects.



The total marks is 810.

- 73.** In which subject did the student get 135 marks?
- Chemistry
  - Maths
  - English
  - Physics
- 74.** The average of marks in physics, Chemistry and Social Science is equal to.
- Marks obtained in English
  - Marks obtained in Chemistry
  - Marks obtained in social Science
  - None of these
- 75.** By how much marks do the marks obtained in English physics and social Science taken together exceed the marks obtained in maths and chemistry.
- 40
  - 90
  - 120
  - 80

Directions (Q. 76-77): In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

- 76.** Amid the political turmoil, (A) / Maldives will held presidential elections in September, (B) / the Election Commission has announced. (C) / No error (D).
- A

- b) B
- c) C
- d) D

**77.** The world's oldest known cave paintings were created by Neanderthals, (A)/ rather than by modern humans, showing that our extinct cousins (B)/ were far from being uncultured brutes as previous beliefs. (C)/Noerror(D)

- a) A
- b) B
- c) C
- d) D

Directions (Q. 76-77): In the following questions, sentence given with blanks are to be filled with an appropriate word. Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

**78.** It seemed most befitting for Bina Ramani to hold her first art exhibition in the capital in the very neighbourhood that she is \_\_\_\_\_ with discovering and developing: Hauz Khas Village.

- a) Sensed
- b) Subscribed
- c) Accepted
- d) Credited

**79.** Words in the Garden, an annual festival organized under the \_\_\_\_\_ of Ashok Vajpayi, aims to celebrate ideas from the spheres of literature, art and the social sciences.

- a) Aegis
- b) Backing
- c) Influence
- d) Trust

Directions (Q. 80-81): In the following questions, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

**80.** Heyday

- a) Prime time
- b) Bottom
- c) Nadir
- d) Unpopularity

**81.** Languish

- a) Flourish
- b) Improve
- c) Build
- d) Decline

Directions (Q. 82-83): In the following questions, out of the four alternatives, choose the word which is OPPOSITE in meaning of the given word and click the button corresponding to it.

**82.** Precarious

- a) Ambiguous
- b) Definite
- c) Shaky
- d) Unstable

**83.** Punctilious

- a) Careful
- b) Meticulous
- c) Informal
- d) Scrupulous

Directions (Q. 84-85): In the following questions, four alternatives are given for the idiom/phrase. Choose the alternative which best expresses the meaning of the idiom/phrase and click the button corresponding to it.

**84.** Hit the nail on the head

- a) To fix a nail on the wall
- b) To slap on the face
- c) To criticise somebody
- d) Do or say something exactly right

**85.** Cut corners

- a) To do something in the easiest, cheapest or fastest way.
- b) To favour someone to get benefit
- c) To repair damaged objects
- d) To get something done illegally

Directions (Q. 86-87): A part of the sentence is underlined. Three alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding "No improvement".

**86.** The child's earliest words deal with concrete objects; he is later only able to grapple with abstractions.

- a) Later only is he
- b) Only later is he
- c) He is only latter
- d) No improvement

**87.** Mukesh has driven almost thrice as far Mr Sinha has.

- a) So far as
- b) As many as
- c) As far as
- d) No improvement



Directions (Q. 88-89): In the following questions, out of the four alternatives, select the alternative which is the best substitute of the phrase.

- 88.** Put back in a former condition.
- a) Reinforce
  - b) Mutilate
  - c) Assemble
  - d) Reinstate
- 89.** A pleasant song sung to send children to sleep.
- a) Psalm
  - b) Lullaby
  - c) Humour
  - d) Fusion

Directions (Q. 90-91): In the following questions, four words are given, out of which one word is incorrectly spelt. Find incorrectly spelt word.

- 90.** 1) Quintessence      2) Adiction      3) intuition      4) Eccentric
- 91.** 1) Exhorbitant      2) Impression      3) Vertebrate      4) Reticent

Directions (Q. 92-93): The question below consists of a set labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

- 92.** P. it expected that an upward shift in the quality of life would create a general well-being and thereby help reduce the rates and levels of crime.

Q. This would mean that the criminal would base his/her decision to commit a crime on a cost-benefit scale.

R. The probable reason for such crime reduction has been sought in the rise in the opportunity cost of committing crimes by economists like Gary Becker, who discussed criminal behavior like any other economic activity based on rational choice.

S. Most people agree that crime reduction and prevention has to be an important goal of the state's development agenda.

- a) PRSQ
- b) PQRS
- c) QRPS
- d) SPRQ

- 93.** P. Given the hazards, states will have to directly engage with farmers and assist them in the selection of pesticides, create awareness about the hazards and educate them on the safe application of pesticides.

Q. The 29<sup>th</sup> report of the Standing Committee of Agriculture, published in 2016, has recommended the formation of a pesticide Development and Regulation Authority.

R. The government has not taken any decision on this recommendation.

S. The framework of pesticide risk regulation, as laid down by the 1968 Act, has failed to achieve its objectives.

- a) QRPS
- b) SQRP
- c) PRQS
- d) RSQP

Directions (Q. 94): In the following questions, a sentence has been given in Active/Passive voice. Out of the four alternative suggested, select the one which best expresses the same sentence in Passive/Active voice.

**94.** Do you criticize others?

- a) Have others been criticised by you?
- b) Were others being criticised by you?
- c) Are others being criticised by you?
- d) Are others criticised by you?

Directions (Q. 95): In the following questions, a 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.

**95.** The receptionist said, "Well, what can I do for you?"

- a) The receptionist asked what she could do for him.
- b) The receptionist wanted to know what she could do for him.
- c) The receptionist said that she couldn't do anything for him.
- d) The receptionist said that she was ready to do everything for him.

Directions (Q. 96-100): In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blanks out of the four alternatives

Electricity is major (96) in rural India, especially for farmer. The Government of India has (97) up with an original plan to address this problem. (98) of transmitting electricity to the farmers, the government, to start with, wants farmers to use solar energy to (99) their irrigation pumps. According to the January 2018 report of the council on Energy, Environment and Water, there are about 142,000 solar pumps in India. The Government is planning to (100) one million solar pumps by 2021.

- 96.** 1) business    2) burden    3) enterprise    4) concern
- 97.** 1) pop    2) come    3) appear    4) close
- 98.** 1) where    2) despite    3) instead    4) in spite
- 99.** 1) power    2) turn    3) energise    4) work
- 100.**    1) Set up    2) install    3) institute    4) inaugurate