



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UPSET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

RPF Constable 2018 Question Paper PDF (16-Feb-2019) (Shift 2)

Total Time: 1 Hour : 30 Minute

Total Marks: 120

Instructions

1. Test will auto submit when the Time is up.
2. The Test comprises of multiple choice questions (MCQ) with one correct answers.
3. The clock in the top right corner will display the remaining time available for you to complete the examination.

Navigating & Answering a Question

1. The answer will be saved automatically upon clicking on an option amongst the given choices of answer.
2. To deselect your chosen answer, click on the clear response button.
3. The marking scheme will be displayed for each question on the top right corner of the test window.

Your Personal Exams Guide

General Awareness

1. Where is the origin of Narmada river? (+1, -0.33)
- a. Trimbakeshwar plateau near Nashik
 - b. Dandakaranya plateau
 - c. Multai in Betul district
 - d. Amarkantak plateau
-
2. Who is considered the father of the Green Revolution in India? (+1, -0.33)
- a. E. Sreedharan
 - b. M. S. Swaminathan
 - c. Verghese Kurien
 - d. Chidambaram Subramaniam
-
3. In which Indian state is the Buddhist pilgrimage site Kushinagar located? (+1, -0.33)
- a. Uttarakhand
 - b. Bihar
 - c. Sikkim
 - d. Uttar Pradesh
-
4. Amaravati School of Sculpture developed on the banks of which river? (+1, -0.33)

- a. Godavari river
 - b. Ganga river
 - c. Indus river
 - d. Krishna river
-

5. When did the first train run in British India? (+1, -0.33)

- a. 1858
 - b. 1773
 - c. 1885
 - d. 1853
-

6. In which of the following sports passing, kicking, heading and throwing of the ball are involved? (+1, -0.33)

- a. Hockey
 - b. Volleyball
 - c. Kabaddi
 - d. Football
-

7. Through which of the following continents does the Prime Meridian pass? (+1, -0.33)

- a. Asia
- b. North America

- c. Australia
 - d. Africa
-

8. Where is the Loess Plateau located? (+1, -0.33)

- a. China
 - b. Tajikistan
 - c. Syria
 - d. Iran
-

9. In 1793, where did Charles Cornwallis introduce the Permanent Settlement? (+1, -0.33)

- a. Punjab
 - b. Bengal
 - c. Rajasthan
 - d. Karnataka
-

10. Resources that get exhausted after years of use are called: (+1, -0.33)

- a. Non-renewable resources
 - b. Renewable resources
 - c. Non-natural resources
 - d. All of the above
-

11. When all parallel rays reflected from a rough or uneven surface are not parallel, this reflection is called: (+1, -0.33)

- a. Diffused reflection
 - b. Angular reflection
 - c. Regular reflection
 - d. Incident reflection
-

12. Who was the Governor-General of Bengal during the First Anglo-Maratha War? (+1, -0.33)

- a. William Bentinck
 - b. Warren Hastings
 - c. Charles Cornwallis
 - d. Wellesley
-

13. Under which Article has the Uniform Civil Code (UCC) been implemented? (+1, -0.33)

- a. Article 44
 - b. Article 41
 - c. Article 42
 - d. Article 43
-

14. The process of transferring charge from a charged object to the earth is called: (+1, -0.33)

- a. Refilling
 - b. Discharging
 - c. Charging
 - d. Earthing
-

15. Tata Iron and Steel Company Limited (TISCO) is an example of: (+1, -0.33)

- a. Private sector
 - b. Public sector
 - c. Central public sector enterprise
 - d. None of these
-

16. What does the concept of 'Anumana' indicate? (+1, -0.33)

- a. Anumiti (Inference)
 - b. Asakti
 - c. Anubhuti
 - d. Shravana
-

17. In which Indian state is the famous Hornbill Festival celebrated? (+1, -0.33)

- a. Assam
 - b. Manipur
 - c. Nagaland
 - d. West Bengal
-

18. When was Madras State renamed as Tamil Nadu? (+1, -0.33)

- a. 1966
 - b. 1964
 - c. 1962
 - d. 1969
-

19. The term 'Corner kick' is associated with which sport? (+1, -0.33)

- a. Cricket
 - b. Football
 - c. Volleyball
 - d. Luge
-

20. What is the highest peak in South India? (+1, -0.33)

- a. Doddabetta
- b. Mukkurthi

- c. Anamudi
 - d. Kodaikanal
-

21. Which of the following articles is related to the Right to Property? (+1, -0.33)

- a. Article 42
 - b. Article 272
 - c. Article 300 (A)
 - d. Article 214
-

22. Which of the following states has the highest number of Lok Sabha seats? (+1, -0.33)

- a. West Bengal
 - b. Uttar Pradesh
 - c. Tamil Nadu
 - d. Maharashtra
-

23. What is included in the definition of minimum wages - (+1, -0.33)

- a. Food, clothing and shelter
 - b. Employment and Investment
 - c. Marriage and Employment
 - d. Cars, Employment and Aubrey
-

24. The quantity of thermal energy generated from full combustion of 1 kg of fuel is called- (+1, -0.33)

- a. Calorific value
 - b. Natural Value
 - c. Ideal value
 - d. Combustion Heat
-

25. The famous tennis player Rafael Nadal is from which country? (+1, -0.33)

- a. Croatia
 - b. Spain
 - c. Italy
 - d. Canada
-

26. Under which article of the Indian Constitution, Jammu and Kashmir has been given special status? (+1, -0.33)

- a. Article 45
 - b. Article 370
 - c. Article 376
 - d. Article 49
-

27. Which association was founded in 1884 by G. Subramania Iyer and Ananda Charlu? (+1, -0.33)

- a. Brahma Sabha
 - b. Spiritual House
 - c. Madras Mahajan Sabha
 - d. Religious gatherings
-

28. In which chemical reaction does the substance react with oxygen to produce heat? (+1, -0.33)

- a. Combustion
 - b. Explosion
 - c. Oxidation
 - d. Upset
-

29. Port wine is a product of which of the following countries? (+1, -0.33)

- a. Portugal
 - b. Poland
 - c. Spain
 - d. England
-

30. Which of the following is called the 'Magna Carta of India'? (+1, -0.33)

- a. Fundamental Duties
 - b. Fundamental Rights
 - c. Directive Principles of State Policy
 - d. Preamble
-

31. What are the areas most prone to earthquakes called? (+1, -0.33)

- a. Environmental Zone
 - b. Plane Zone
 - c. Richter Zone
 - d. Seismic Zone
-

32. How has the World Bank defined extreme poverty? (+1, -0.33)

- a. People who live in less than \$ 1.5 a day
 - b. People who live in less than \$ 2 a day
 - c. People who live in less than \$ 1.90 a day
 - d. People who live in less than \$ 1 a day
-

33. Animals that lay eggs are called- (+1, -0.33)

- a. Viviparous
- b. Oviparous

- c. Mammals
 - d. Nulliparous
-

34. Who is the head of government in the parliamentary system? **(+1, -0.33)**

- a. Prime Minister
 - b. Chief Justice of India
 - c. Cabinet Secretary
 - d. President
-

35. Which of the following players was honored with the Rajiv Gandhi Khel Ratna Award 2018? **(+1, -0.33)**

- a. Sachin Tendulkar
 - b. Ajinkya Rahane
 - c. P.V. Sindhu
 - d. Saikhom Mirabai Chanu
-

36. Article 124 of the Indian Constitution deals with: **(+1, -0.33)**

- a. Budget
- b. All India Services
- c. National Emergency
- d. Establishment and Formation of Supreme Court

37. Who was the first woman to get a bachelor's degree from the University of Calcutta? (+1, -0.33)

- a. Sarojini Naidu
- b. Kalpana Dutt
- c. Kadambini Ganguly
- d. Bina Das

38. Which of the following is not one of the Great Lakes? (+1, -0.33)

- a. Lake Huron
- b. Lake Ontario
- c. Lake Athabasca
- d. Lake Erie

39. In 1895 who founded the Natal Congress in South Africa? (+1, -0.33)

- a. Mahatma Gandhi
- b. Subhash Chandra Bose
- c. Jawaharlal Nehru
- d. Dadabhai Naoroji

40. What is the property of metals by which they can be beaten into thin sheets called? (+1, -0.33)

- a. Resistance
 - b. Malleability
 - c. Ductility
 - d. Stretch
-

41. Which of the following constitutional amendment is related to the Goods and Services Tax (GST)? (+1, -0.33)

- a. 73rd Amendment
 - b. 101st Amendment
 - c. 42nd Amendment
 - d. 74th Amendment
-

42. Baton exchange is a part of which of the following race events? (+1, -0.33)

- a. 400 meters sprint
 - b. 100m Sprint
 - c. Long Jump
 - d. 4x100m Relay
-

43. Bugyals, the high-altitude meadows, are found in which state? (+1, -0.33)

- a. Uttarakhand
- b. Himachal Pradesh

- c. Kashmir
 - d. Sikkim
-

44. Through which pass does the Sutlej river enter India? (+1, -0.33)

- a. Zoji La Pass
 - b. Shipki La Pass
 - c. Thang La Pass
 - d. Nathu La Pass
-

45. Which of the following sports also includes floor exercises? (+1, -0.33)

- a. Football
 - b. Gymnastics
 - c. Cricket
 - d. Swimming
-

46. Which of the following is not one of the non conventional sources of energy? (+1, -0.33)

- a. Coal
- b. Solar
- c. Wind
- d. Tide

47. The Prime Minister of India can use his powers only in consultation with ----- (+1, -0.33)

- a. Home Minister
- b. Cabinet Secretary
- c. External Affairs Minister
- d. Council of Ministers

48. Endocrine glands secrete hormones into the blood, which carries them to a particular organ. What is that organ called? (+1, -0.33)

- a. Hormonal site
- b. Target site
- c. Blood site
- d. Endocrine site

49. The number of deaths per 1,000 people during a given period is called - (+1, -0.33)

- a. Infant Mortality
- b. Maternal mortality rate
- c. Birth rate
- d. Mortality rate

50. In which type of reproduction does Hydra develop new individuals from a bud? (+1, -0.33)
- a. Binary fission
 - b. Budding
 - c. Conversion
 - d. Anthropogenous

Prepp

Your Personal Exams Guide

General Intelligence and Reasoning

51. Replace the question mark with the option that follows the same logic as the first pair. June: July :: Wednesday: ?? (+1, -0.33)
- a. Desk
 - b. Thursday
 - c. Mango
 - d. Pen
-
52. Replace the question mark with the option that follows the same logic as the first pair. Waistcoat: Button :: Boot: ?? (+1, -0.33)
- a. Eat
 - b. Laces
 - c. Bag
 - d. Tree
-
53. In a certain code language, if ADMIT is written GDIWL, then how will CHEST be written in the same code language? (+1, -0.33)
- a. KFHVV
 - b. KFAVV
 - c. FKAHV
 - d. FKHVW

54. Read the following logic and answer the given question. A4B means A is the mother of B. (+1, -0.33)

A3B means A is the father of B.

A5B means A is the sister of B.

A7B means A is the brother of B. Which of the following equations shows that P is the father of S?

- a. P4Q5R7S
- b. P7Q5R3S
- c. P3Q5R7S
- d. P5Q5R3S

55. A man pointing to a boy said, "He is the son of the only daughter-in-law of my wife." How is the boy related to the man? (+1, -0.33)

- a. Son
- b. Grandfather
- c. Grandson
- d. Nephew

56. A statement is given in this question, followed by two conclusions i and ii. Assuming the statement to be true, decide which of the conclusions logically follow from it. (+1, -0.33)

Statement: The Queen has painted her house with blue emulsion.

Conclusion:

- i) The Queen has built a new house.
- ii) Emulsion is cheaper than distemper.

Select the correct option from the following:

- (A) Only conclusion i is logical.
- (B) Only conclusion ii is logical.
- (C) Either conclusion i or ii is logical.
- (D) Neither conclusion i nor ii is logical.
- (E) Both conclusions i and ii are logical.

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

prepp

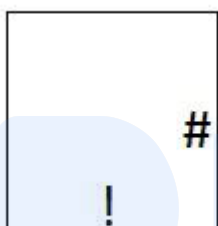
Your Personal Exams Guide

57. Select the figure that comes next in the series from the given options. (+1, -0.33)

!	!	#	#	#
	#	!	!	!



a.



b.



c.



d.

58. Choose the next number in the series. 2, 8, 20, 44, 92,? (+1, -0.33)

- a. 188
- b. 182
- c. 184
- d. 180

59. Replace the question mark with the option that follows the same logic as the first pair. B: K :: E: ?? (+1, -0.33)

- a. N
- b. Q
- c. O
- d. P

60. In this question, a passage and a statement related to it have been given. Read the passage carefully and evaluate the statement based on (+1, -0.33)

it.

It is believed that Sant Nicholas alias Santa Claus lived in Patra, about 300 BC, present-day Turkey (formerly considered part of ancient Greek). He was a great pastor of Myra, who was famous for the good of the poor and for loving children and giving gifts to the needy. Symbolically, he is depicted as wearing a red and golden dress of his religious workplace and as a person with a single body. In pictures they are decorated with traditional halo, which represents their good wishes, as well as a stick or a bible or both are shown. Here, from the emergence of Santa Claus as a symbol of philanthropy, from the north pole to the emergence of a famous Saint, he will take a look at the story.

13th century: The great pastor of Nicholas Myra was declared a saint in the first millennium or was given the title of saint. By the 13th century, a traditional festival was celebrated by the Dutch people in their honor in which they used to put coins in torn-out shoes outside the homes of the poor. They used to say that these coins are kept by Saint Nicholas. Over time, Saint Nicholas became Sinterklaas. To this day, the same official Sinterklaas of the Netherlands have taken shape like a clergy, in which there is a white and red cloak dress and a high cap with clergy, as well as almost majestic white long hair and beard. They ride the white horse on the way.

16th century: Saint Nicholas has become popular all over Europe. Now the Dutch Sinterklaas have become Santa Claus with many hearts. Every year, celebration of Saint Nicholas or Santa Claus is celebrated on 6 December due to the death anniversary of the true pastor of Myra (no one is determined in relation to the year, but the date is indisputable).

Statement: Saint Nicholas is popular for his love for children.

Select the correct option:

- A. The statement is definitely true.
- B. The statement is potentially true.

C. The statement can not be determined.

D. Statement is definitely false.

a. D

b. A

c. C

d. B

61. Choose the next number in the series. 2, 19, 53, 70, 104,?

(+1, -0.33)

a. 121

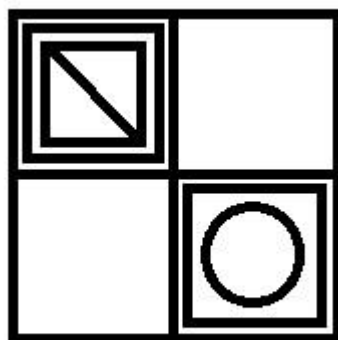
b. 150

c. 131

d. 141

62. How many squares are there in the given picture?

(+1, -0.33)



- a. 7
- b. 6
- c. 8
- d. 5

63. Four of the following five are alike in a certain way and form a group. (+1, -0.33)
Which one does not belong to that group? C, Q, S, Y, E

- a. Y
- b. Q
- c. S
- d. C

64. Two statements are given in this question, followed by two conclusions i (+1, -0.33)
and ii. Assuming the statements to be true, decide which of the
conclusions logically follow from them.

Statement: All singers are dancers. All actors are singers.

Conclusion:

- i) All actors are dancers.
- ii) All dancers are singers.

Select the correct option from the following:

- (A) Only conclusion i is logical.
- (B) Only conclusion ii is logical.

- (C) Either conclusion i or ii is logical.
- (D) Neither conclusion i nor ii is logical.
- (E) Both conclusions i and ii are logical.

- a. C
- b. A
- c. B
- d. E

65. Carefully read the given information and answer the question. (+1, -0.33)

The six friends M, N, O, P, Q and R are sitting in a row facing north (not necessarily in this order).

- i) P is sitting between M and O.
- ii) N is sitting at the fourth position from the right of Q.
- iii) Q and R are sitting at the two ends of the row.
- iv) M and N are not neighbours.

Who is sitting in the second place from the right side of the person who is sitting at the third place from the left of N?

- a. O
- b. M
- c. R
- d. P

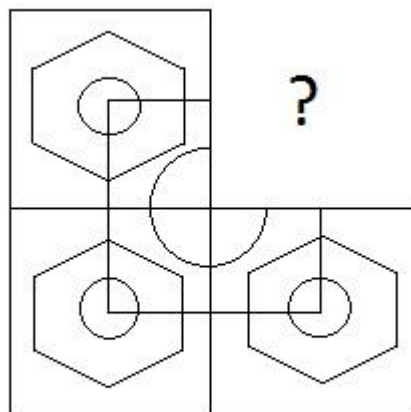
66. Three statements are given in this question, followed by three conclusions. Assuming the statements to be true, decide which of the conclusions logically follow from them. (+1, -0.33)

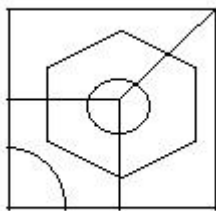
Statement: All ants are birds. All birds are flies. Some ants are mammals.

Conclusion:

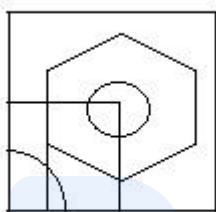
- i) All ants are flies.
 - ii) Some birds are mammals.
 - iii) Some flies are mammals.
- a. Only i) and ii)
 - b. Only i) and iii)
 - c. Only ii) and iii)
 - d. All follow

67. In the given options, select the option that will complete the pattern in the figure. (+1, -0.33)

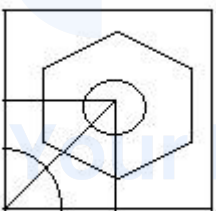




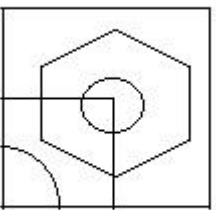
a.



b.



c.



d.

68. If a mirror is placed on the shaded line, which of the following options is the correct image of the given shape? (+1, -0.33)

PANDA



a.

ADNAP

b.

PANDAP

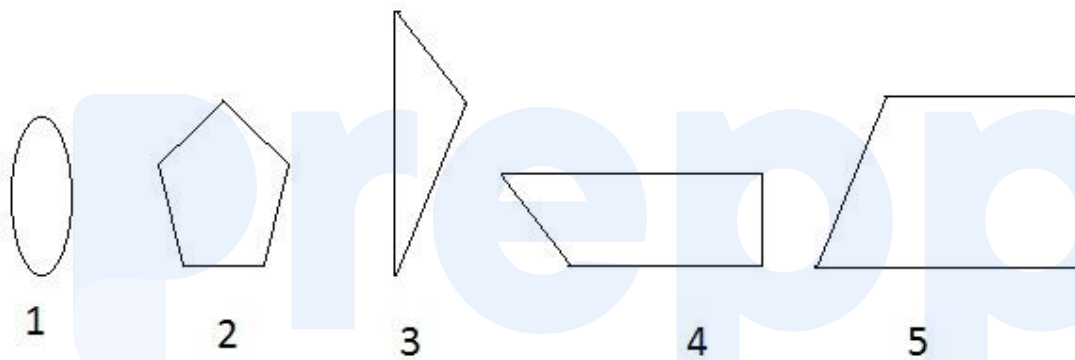
c.

PANDAP

QANDA

d.

69. From the given options, select the option that can create a full square. (+1, -0.33)
(None of the 5 pictures given):



- a. 1,3 and 5
b. 3,4 and 5
c. 1,2 and 4
d. 1,3 and 4

70. In this question, there are two statements showing a definite relationship between the letters and the three conclusions related to them are i, ii and iii. Assuming the statements as truth, decide which conclusions are completely true in relation to the statements. (+1, -0.33)

Statement: $C < O \leq U = N$; $N > S = E \geq L$

Conclusion:

i) $C < E$

ii) $O < S$

iii) $U > E$

a. Only iii)

b. Only i) and iii)

c. Only ii) and iii)

d. Only i) and ii)

71. Choose the next number in the series. 12, 39, 66, 93, 120,? (+1, -0.33)

a. 167

b. 145

c. 147

d. 157

72. Choose the correct water image of the given word from the options. (+1, -0.33)

COYOTE

COYOTE

a.

COΛOTE

b.

COYOTE

c.

ETOYOC

d.

73. Four of the following five are alike in a certain way and form a group. (+1, -0.33)
Which one does not belong to that group? UZ, RX, TY, BG, MR

a. MR

b. RX

c. BG

d. TY

74. In this question, a passage and a statement related to it have been given. (+1, -0.33)
Read the passage carefully and evaluate the statement based on it.

It is believed that Sant Nicholas alias Santa Claus lived in Patra, about 300 BC, present-day Turkey (formerly considered part of ancient Greek). He was a great pastor of Myra, who was famous for the good of the poor and for loving children and giving gifts to the needy. Symbolically, he is depicted as wearing a red and golden dress of his religious workplace and as a person with a single body. In pictures they are decorated with traditional halo, which represents their good wishes, as well as a stick or a bible or both are shown. Here, from the emergence of Santa Claus as a symbol of philanthropy, from the north pole to the emergence of a famous Saint, he will take a look at the story.

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16th century: Saint Nicholas has become popular all over Europe. Now the Dutch Sinterklaas have become Santa Claus with many hearts. Every year, celebration of Saint Nicholas or Santa Claus is celebrated on 6 December due to the death anniversary of the true pastor of Myra (no one is determined in relation to the year, but the date is indisputable).

Statement: Saint Sinterclass had long hair and beard.

Select the correct option:

- A. The statement is definitely true.
- B. The statement is potentially true.
- C. The statement can not be determined.
- D. Statement is definitely false.

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

75. In a certain code language, if BUSY is written 2211925, how will FORT be written in the same language? (+1, -0.33)

- a. 6141820
- b. 6141920
- c. 6151920
- d. 6151820

76. Carefully read the given information and answer the question. (+1, -0.33)

The six friends M, N, O, P, Q and R are sitting in a row facing north (not necessarily in this order).

- i) P is sitting between M and O.
- ii) N is sitting at the fourth position from the right of Q.
- iii) Q and R are sitting at the two ends of the row.

iv) M and N are not neighbours.

Which of the following statements is false as per the arrangement of sitting?

- a. M and P are neighbours
- b. O is sitting between N and P
- c. M is exactly sitting between R and P
- d. N is sitting fourth from the right of Q

77. In this question, a statement shows the relationship between different elements, followed by two conclusions: (+1, -0.33)

Statement: $A \leq C < T = O > R > S$

Conclusion:

- i) $S < T$
- ii) $C > S$

Select the correct option from:

- (A) Only conclusion i is logical.
- (B) Only conclusion ii is logical.
- (C) Either conclusion i or ii is logical.
- (D) Neither conclusion i nor ii is logical.
- (E) Both conclusions i and ii are logical.

- a. A
- b. D

c. B

d. C

78. A is the son of B, who is the only daughter of C. D is the husband of C. (+1, -0.33)
What is D's relation to A?

a. Paternal grandfather

b. Maternal grandfather

c. Either paternal or maternal grandfather

d. Both paternal and maternal grandfather

79. Carefully read the given information and answer the question. (+1, -0.33)

The six friends M, N, O, P, Q and R are sitting in a row facing north (not necessarily in this order).

i) P is sitting between M and O.

ii) N is sitting at the fourth position from the right of Q.

iii) Q and R are sitting at the two ends of the row.

iv) M and N are not neighbours.

Who is sitting immediately to the right of O?

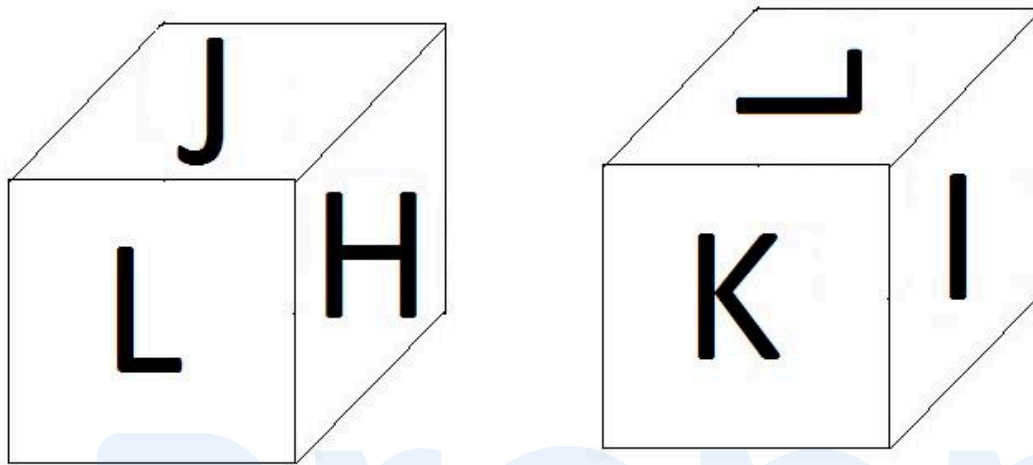
a. P

b. N

c. Q

d. R

80. According to the given figure, the six faces of a die carry the letters G, H, I, J, K and L. Which letter is on the face opposite the face marked J? (+1, -0.33)



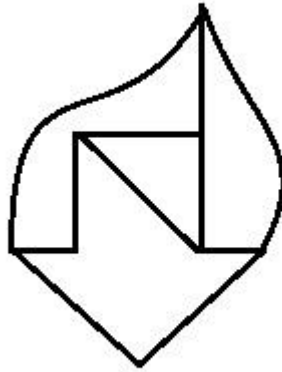
- a. G
- b. K
- c. I
- d. H

81. Replace the question mark with the option that follows the same logic as the first pair. 2011: 12 :: 2551: ?? (+1, -0.33)

- a. 37
- b. 39
- c. 41
- d. 40

82. How many straight lines are there in the given picture?

(+1, -0.33)



- a. 7
- b. 6
- c. 9
- d. 8

83. Four of the following five are alike in a certain way and form a group.

(+1, -0.33)

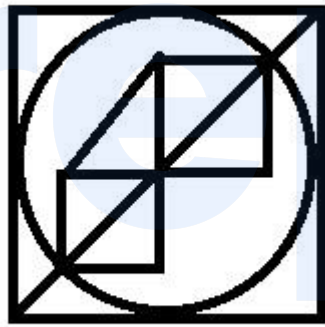
Which one does not belong to that group? Transfer, Stay, Migrate, Shift, Relocate

- a. Shift
- b. Migrate
- c. Stay
- d. Relocate

84. Choose the next number in the series. 2, 11, 29, 56, 92,? (+1, -0.33)

- a. 137
- b. 136
- c. 140
- d. 135

85. How many right angled triangles can be made from the given shape? (+1, -0.33)

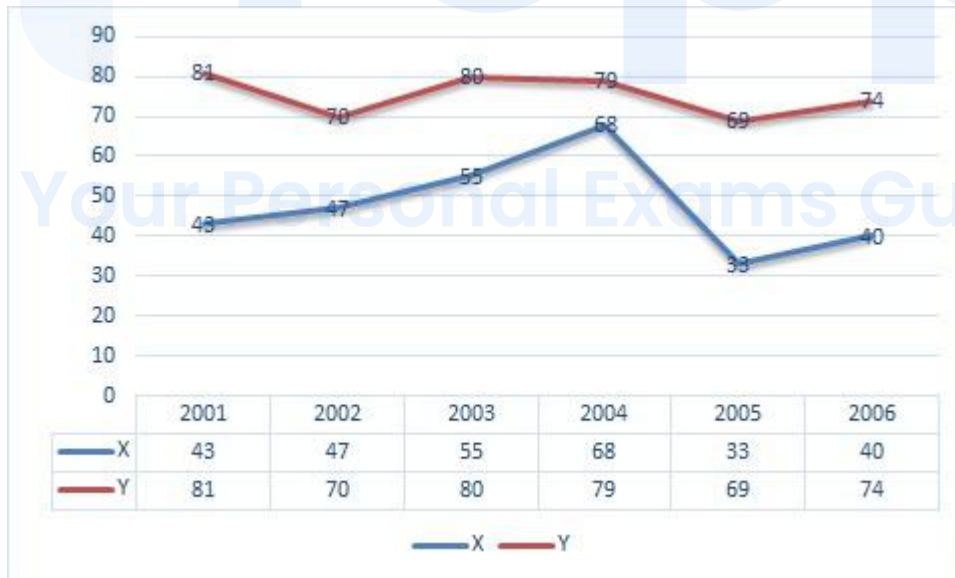


- a. 7
- b. 5
- c. 6
- d. 8

Arithmetic

86. In a race, Franklin covers the first half of the distance at a speed of 630 mph and the second half at a speed of 945 mph. Find his average speed for the whole race (mph = miles per hour). (+1, -0.33)
- a. 762
 - b. 758
 - c. 760
 - d. 756

87. Instructions: Study the graph below and answer the question based on it. (+1, -0.33)
The number of vehicles manufactured by the company X and Y, from 2001 to 2006, has been given (in thousands).



What is the difference between the number of vehicles produced by Company X in the year 2001 and 2002?

- a. 4

b. 3

c. 5

d. 6

88. A certain amount is divided into 2 parts in the ratio of 6: 5. If the first part is Rs.282, then find the total amount (in Rs.). (+1, -0.33)

a. 521

b. 517

c. 523

d. 519

89. Rs. 5,100 was invested for 4 years at 13% per annum simple interest. Find the amount received (in rupees). (+1, -0.33)

a. 7,762

b. 7,782

c. 7,772

d. 7,752

90. To be successful in a competition, Jämglin needs to score an average of 75 in 4 exams. The scores of the previous three exams are 72, 68 and 64, respectively. To succeed in the competition, how much will he have to score in the fourth test? (+1, -0.33)

a. 99

b. 97

c. 98

d. 96

91. The width of the rectangle is 230 cm and its diagonal is 598 cm. Find its perimeter (in cm). (+1, -0.33)

a. 1594

b. 1574

c. 1564

d. 1584

92. Instructions: Study the graph below and answer the question based on it. (+1, -0.33)
The number of vehicles manufactured by the company X and Y, from 2001 to 2006, has been given (in thousands).



In which year was the difference between the production of Company X and Company Y the lowest?

- a. 2004
- b. 2002
- c. 2003
- d. 2005

93. Find the value of X: $\sqrt{(90-x)} = \sqrt{(40 + \sqrt{81})}$ (+1, -0.33)

- a. 51
- b. 45
- c. 41
- d. 61

94. The price of an LPG cylinder increases from Rs.688 to Rs.860. By what percent should consumption be reduced so that the expenditure on LPG cylinders does not change? (in %) (+1, -0.33)

- a. 35
- b. 25
- c. 30
- d. 20

95. The marked price of a book is Rs.4,600. A bookseller offers a 10% discount on it and still makes a profit of 20%. Find the cost price of the book (in rupees). (+1, -0.33)

- a. 3650
- b. 3450
- c. 3550
- d. 3750

96. The sides of a quadrilateral are in the ratio 2 : 3 : 4 : 5 and its perimeter is 658 cm. Find the length of the smallest side (in cm). (+1, -0.33)

- a. 93
- b. 94
- c. 95
- d. 96

97. The average of 7 numbers is 152. On removing a number, the average remains unchanged. Find the number removed. (+1, -0.33)

- a. 150
- b. 149
- c. 152
- d. 151

98. Find the amount (in Rs.) received on Rs.17,500 for 2 years at 10% per annum compound interest. (+1, -0.33)

- a. 21,475
- b. 21,175
- c. 21,375
- d. 21,275

99. A shopkeeper bought an item for Rs.240 and sold it for Rs.300. Find the profit percentage. (in %) (+1, -0.33)

- a. 20
- b. 30
- c. 25
- d. 35

100. The average weight of eleven players of the state level cricket team is 109 kg. On joining the coach, the average weight of the team increases by 1kg. How much is the weight of the coach (in kg)? (+1, -0.33)

- a. 121
- b. 125
- c. 123
- d. 119

101. Of the 120 soaps placed in a box, 36 have been used. What is the percentage of soaps left in the box? (in %) (+1, -0.33)

- a. 80
- b. 85
- c. 70
- d. 75

102. Find the area of the equilateral triangle whose side is 108 cm. (In cm^2) (+1, -0.33)

- a. $2917\sqrt{3}$
- b. $2916\sqrt{3}$
- c. $2918\sqrt{3}$
- d. $2915\sqrt{3}$

103. A shopkeeper bought an item for Rs.435 and sold it for Rs.348. Find the loss percentage. (in %) (+1, -0.33)

- a. 30
- b. 20
- c. 25
- d. 35

104. The value of 25% of 66.67% of 75% of 80% of any number is 6361. Find the value of 40% of that number. (+1, -0.33)

- a. 26444
- b. 23444
- c. 25444
- d. 24444

105. A train takes 42 seconds to cross a signal located at one end of a 473 m long bridge. If the train takes 85 seconds to cross the bridge, find the length of the train (in m). (+1, -0.33)

- a. 462
- b. 468
- c. 464
- d. 466

106. What will be the remainder when 97531 is divided by 9? (+1, -0.33)

- a. 3
- b. 5
- c. 4
- d. 7

107. Simplify: $\sqrt{(9 + \sqrt{(34 + \sqrt{(193 + \sqrt{1024})})})}$ (+1, -0.33)

- a. 5
- b. 7
- c. 4
- d. 8

108. A train crosses a signal in 13 seconds at a speed of 63 m/s. Find the length of the train (in m). (+1, -0.33)

- a. 819
- b. 823
- c. 821
- d. 817

109. Find the area of a rhombus whose diagonals are 103 cm and 104 cm. (in cm^2) (+1, -0.33)

- a. 5326
- b. 5366
- c. 5356
- d. 5346

110. Simplify: $120 - [450 - (90 \div 10 - (35 - 300 \div 12) \div 10)]$ (+1, -0.33)

- a. 344
- b. -344
- c. 322
- d. -322

111. Simplify: $(19 \times 30 \times 19 \times 30) \div ((2(\sqrt{900} \div 2)))^2$ (+1, -0.33)

- a. 512
- b. 361
- c. 324
- d. 484

112. For a fixed amount, the interest received after 5 years at an annual rate of 12% simple interest is Rs.6,060. Find the amount invested (in rupees). (+1, -0.33)

- a. 10,200
- b. 9,800
- c. 9,900
- d. 10,100

113. The ratio of the ages of Alpha and Beta is 2 : 5. If the sum of their ages is 294, find the difference between their ages. (+1, -0.33)

- a. 126

b. 124

c. 122

d. 120

114. The price of a piece of metal increases from Rs.405 to Rs.486. Find the percentage increase. (in %) (+1, -0.33)

a. 15

b. 30

c. 25

d. 20

115. The LCM and HCF of two numbers are 132 and 22 respectively. If one of the numbers is 132, find the other number. (+1, -0.33)

a. 66

b. 22

c. 33

d. 11

116. Pen, Pencil, and Rubber in a box are in proportion to 3: 2: 1. If the price of each pen, pencil and rubber is Rs.3, Rs.2 and Rs.2, respectively, and the total amount spent on the entire box is Rs.675, then find the number of pens in the box. (+1, -0.33)

a. 135

- b. 136
 - c. 138
 - d. 137
-

117. If $X = 0.72444444\dots$, then find the fractional value of X . (+1, -0.33)

- a. $652/990$
 - b. $65/99$
 - c. $652/900$
 - d. $63/99$
-

118. Which of the following is divisible by 15? (+1, -0.33)

- a. 74255
 - b. 74345
 - c. 74365
 - d. 74355
-

119. Instructions: Study the graph below and answer the question based on it. (+1, -0.33)
The number of vehicles manufactured by the company X and Y, from 2001 to 2006, has been given (in thousands).



Find out the difference between the total production of both companies in the given years.

- a. 170
- b. 167
- c. 169
- d. 168

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120. By selling an item for Rs.544, there is a loss of 15%. Find the purchase price of the item (in rupees). (+1, -0.33)

- a. 638
- b. 632
- c. 634
- d. 640