



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



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

RPF SI 2018 Question Paper PDF (24-Dec-2018) (Shift 1)

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. In which state did the Kisan Sabha movement begin? (+1, -0.33)
- a. Gujarat
 - b. New Delhi
 - c. Karnataka
 - d. Bihar
-
2. Who wrote the book 'Nil Darpan'? (+1, -0.33)
- a. Shivnath Shastri
 - b. Kamala Basu
 - c. Dinabandhu Mitra
 - d. Naksha Arab
-
3. What does the adrenal gland secrete? (+1, -0.33)
- a. Thyroxine
 - b. Estrogen
 - c. Cortisol
 - d. THS
-
4. Who was the first Governor-General of independent India? (+1, -0.33)

- a. Dr. Rajendra Prasad
 - b. C. Rajagopalachari
 - c. Lord Wavell
 - d. Lord Mountbatten
-

5. What is written in Article 1 of the Indian Constitution? (+1, -0.33)

- a. India shall be a federal republic
 - b. India, that is Bharat, shall be a unitary state
 - c. India, that is Bharat, shall be a Union of States
 - d. India, that is Bharat, shall be a Federation of States
-

6. Where is the High Court of Uttar Pradesh located? (+1, -0.33)

- a. Kanpur
 - b. Meerut
 - c. Lucknow
 - d. Allahabad
-

7. In which of the following states did the 'Pabna Peasant Revolt' take place? (+1, -0.33)

- a. Gujarat
- b. West Bengal

c. Assam

d. Delhi

8. What is the pH value of human blood under normal conditions? (+1, -0.33)

a. 7.4

b. 6.4

c. 6.8

d. 10.5

9. Which of the following players is not associated with archery? (+1, -0.33)

a. Ku Bon-chan

b. Jean-Charles Valladont

c. Brady Ellison

d. Andrea Arsovic

10. In the SI system, the multiple 10^{24} has the prefix _____. (+1, -0.33)

a. Zetta

b. Yotta

c. Atto

d. Exa

11. Which of the following had the longest tenure as President of India? (+1, -0.33)

- a. F. A. Ahmed
- b. Dr. Rajendra Prasad
- c. V.V. Giri
- d. N. Sanjiva Reddy

12. Who was the Chairman of the 11th Finance Commission? (+1, -0.33)

- a. C. Rangarajan
- b. A.M. Khusro
- c. Dr. Vijay L. Kelkar
- d. Dr. Y.V. Reddy

13. Who wrote the book 'Amuktamalyada'? (+1, -0.33)

- a. Pulakeshin
- b. Krishna Deva Raya
- c. Amoghavarsha
- d. Harsha

14. The formula to find power is: (+1, -0.33)

- a. Work/Time

- b. Time/Area
 - c. Work $\times$ Time
 - d. Time/Work
-

15. In which sport is the term 'False Start' used? (+1, -0.33)

- a. Athletics
 - b. Cricket
 - c. Golf
 - d. Football
-

16. Which type of system of government has been adopted in the Indian Constitution? (+1, -0.33)

- a. Oligarchy
 - b. Presidential
 - c. Parliamentary
 - d. Aristocracy
-

17. Who is the father of medical science? (+1, -0.33)

- a. Hippocrates
- b. Archimedes
- c. Aristotle

d. William Harvey

18. By what other name is the 'Red Fort' known? (+1, -0.33)

a. Paradise Space

b. Dargah

c. Khanqah

d. Lal Qila

19. What is the distance between the Sun and the planet Mercury? (+1, -0.33)

a. 57.91 million km

b. 62.91 million km

c. 54.91 million km

d. 51.91 million km

20. 'Gatka' is a martial art. Which state is it associated with? (+1, -0.33)

a. Bihar

b. Manipur

c. Karnataka

d. Punjab

21. Who discovered the 'electron'? (+1, -0.33)

- a. Michael Faraday
 - b. J.J. Thomson
 - c. Albert Einstein
 - d. J.C. Bose
-

22. The capital of Albania is- (+1, -0.33)

- a. Tirana
 - b. Algeria
 - c. Luanda
 - d. Hamilton
-

23. According to the Indian Constitution, the President can nominate a maximum of how many members to the Rajya Sabha? (+1, -0.33)

- a. 12
 - b. 1
 - c. 2
 - d. 10
-

24. The tissue found between the upper and lower epidermis is called- (+1, -0.33)

- a. Mesophyll
- b. Pith

- c. Vascular bundle
 - d. Stomata
-

25. What is the name of the currency of Finland? (+1, -0.33)

- a. Lira
 - b. Dollar
 - c. Euro
 - d. Pound Sterling
-

26. Which of the following countries does not share a border with India? (+1, -0.33)

- a. China
 - b. Seychelles
 - c. Myanmar
 - d. Bhutan
-

27. Which map shows both the physical and cultural features of a place together? (+1, -0.33)

- a. Biological map
- b. Road map
- c. Topographic map
- d. Resource map

28. What is the maximum age limit to become the President of India? (+1, -0.33)

- a. 62 years
 - b. 65 years
 - c. No age limit has been fixed for it
 - d. 58 years
-

29. By whom is the temporary Speaker (Pro-tem Speaker) of the Lok Sabha appointed? (+1, -0.33)

- a. Chairman of the Rajya Sabha
 - b. Prime Minister of India
 - c. President of India
 - d. By the former Speaker of the Lok Sabha
-

30. How many Schedules are there at present in the Indian Constitution? (+1, -0.33)

- a. 8
 - b. 25
 - c. 10
 - d. 12
-

31. The leader of India's first non-Congress government was- (+1, -0.33)

- a. Morarji Desai
 - b. Atal Bihari Vajpayee
 - c. V.P. Singh
 - d. Charan Singh
-

32. Where is the "Indian Institute of Economics" located? (+1, -0.33)

- a. Kolkata
 - b. Raipur
 - c. Hyderabad
 - d. Mumbai
-

33. Who wrote the book 'Sunny Days'? (+1, -0.33)

- a. David Beckham
 - b. Sunil Gavaskar
 - c. Anil Kumble
 - d. Sachin Tendulkar
-

34. In 1991-92, which of the following Indian sportspersons received the first Rajiv Gandhi Khel Ratna Award? (+1, -0.33)

- a. P.T. Usha
- b. Viswanathan Anand

- c. Dhanraj Pillay
 - d. Javagal Srinath
-

35. In which country does the 'Volga' river flow? (+1, -0.33)

- a. Germany
 - b. Sudan
 - c. Australia
 - d. Russia
-

36. When was 'Project Tiger', the programme related to the conservation of tigers, launched? (+1, -0.33)

- a. 1968
 - b. 1991
 - c. 1973
 - d. 1977
-

37. In which ocean is the Mariana Trench located? (+1, -0.33)

- a. Atlantic Ocean
- b. Indian Ocean
- c. Arctic Ocean
- d. Pacific Ocean

38. The Archaeological Survey of India comes under which of the following? (+1, -0.33)

- a. Ministry of Tribal Development
 - b. Ministry of Home Affairs
 - c. Ministry of Tourism
 - d. Ministry of Culture
-

39. What is the atomic number of the element Boron? (+1, -0.33)

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

40. Who became the fourth President of the Indian National Congress in 1888? (+1, -0.33)

- a. Bihari Ghosh
 - b. Motilal Nehru
 - c. George Yule
 - d. Rajendra Prasad
-

41. In which sport is the term 'Half Nelson' used? (+1, -0.33)

- a. Football
 - b. Chess
 - c. Wrestling
 - d. Boxing
-

42. What is the IUPAC name of adipic acid? (+1, -0.33)

- a. Propanedioic acid
 - b. Ethanedioic acid
 - c. Hexanedioic acid
 - d. Butanoic acid
-

43. In which state is the Kaiga Atomic Power Station located? (+1, -0.33)

- a. Andhra Pradesh
 - b. Karnataka
 - c. Kerala
 - d. Tamil Nadu
-

44. What is the nickname of Novak Djokovic? (+1, -0.33)

- a. Nole
- b. Punisher

- c. Turbonator
 - d. Speeder
-

45. The capital of Arunachal Pradesh is - (+1, -0.33)

- a. Dispur
 - b. Amaravati
 - c. Itanagar
 - d. Gangtok
-

46. Tirupati dolls are made of - (+1, -0.33)

- a. Sal wood
 - b. Teak wood
 - c. Red sandalwood
 - d. Mahogany wood
-

47. When was the Zamindari Sabha established? (+1, -0.33)

- a. 1728
 - b. 1838
 - c. 1623
 - d. 1990
-

48. In the context of NITI Aayog, what is the full form of 'NITI'? (+1, -0.33)
- a. National Institution for Transforming Individuals
 - b. National Institution for Transforming Industries
 - c. National Integration for Transforming India
 - d. National Institution for Transforming India
-

49. What is the tidal mouth of a river, where fresh water and salt water mix, called? (+1, -0.33)
- a. Arid
 - b. Coast
 - c. Estuary
 - d. Lagoon
-

50. If the government starts buying back its bonds before their maturity period (at the full maturity value), what will the money circulating in the economy in this situation be called? (+1, -0.33)
- a. Heated money
 - b. Cheap money
 - c. Easy money
 - d. Dear money

General Intelligence and Reasoning

51. Find the next number in the following series: (+1, -0.33)

32, 34, 71, 217, 873, ?

- a. 4030
- b. 4131
- c. 3875
- d. 4371

52. A is the brother of B. B is the sister of C. M is the mother of C, whose daughter is E. How is A related to E? (+1, -0.33)

- a. Uncle
- b. Cousin
- c. Father
- d. Niece

53. In this question, a statement is given followed by two conclusions i and ii. (+1, -0.33)
Taking the statement to be true, decide which of the conclusions logically follow from the statement.

Statement: Every person who lives in Madrid definitely keeps a dog. John lives in Madrid.

Conclusions:

- i). John does not have a dog.

ii). A person who does not live in Madrid will not have a dog.

Choose the most appropriate one from the following options:

- A. Only conclusion i follows.
- B. Only conclusion ii follows.
- C. Either conclusion i or ii follows.
- D. Neither conclusion i nor ii follows.
- E. Both conclusions i and ii follow.

a. A

b. E

c. B

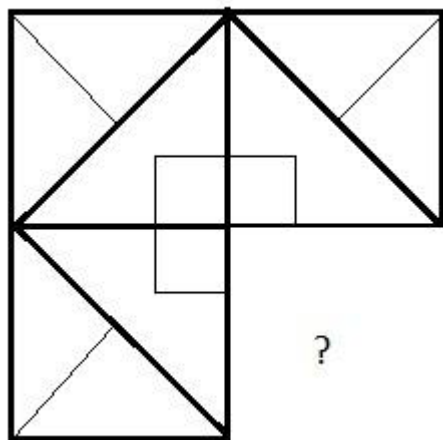
d. D

-
54. Based on the logic used in the first pair, choose from the options the replacement for the question mark in the second pair. (+1, -0.33)

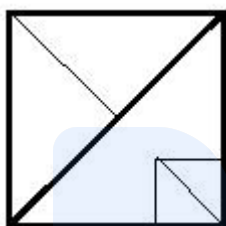
Cardiology:Heart::Dermatology: ??

- a. Human
- b. Skull
- c. Ligaments
- d. Skin

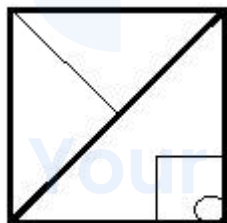
-
55. Select from the options the correct figure that completes the given figure: (+1, -0.33)



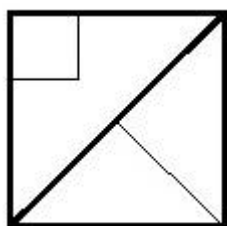
a.

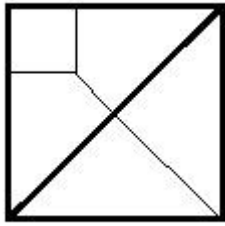


b.



c.





d.

56. Four of the following five terms are alike in some way and hence form a group. Which one of them does not belong to the group? (+1, -0.33)

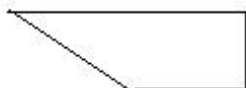
Piglet, Cub, Calf, Lion, Lamb

- a. Piglet
- b. Lamb
- c. Lion
- d. Calf

57. Select the correct option that forms a complete square (three of the 5 figures given below): (+1, -0.33)



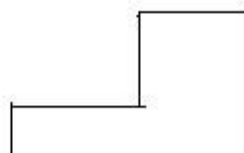
1



2



3



4



5

- a. 3,4,5

b. 1,4,5

c. 2,3,4

d. 1,3,4

58. In this question, the relationship between different letters is given in the statement. Two conclusions related to the statement are given. (+1, -0.33)

Statement: $P \geq U > R = S < T \leq Q$

Conclusions:

i) $P > Q$

ii) $P < S$

Choose the appropriate one from the following options.

A. Only conclusion i follows.

B. Only conclusion ii follows.

C. Either conclusion i or ii follows.

D. Neither conclusion i nor ii follows.

E. Both conclusions i and ii follow.

a. E

b. D

c. A

d. B

59. Find the next number in the following series:

(+1, -0.33)

271, 272, 276, 285, 301, ?

- a. 309
- b. 317
- c. 326
- d. 298

60. In this question, four statements showing the relationship between letters are given, followed by three conclusions i, ii and iii. Assuming the statements to be true, decide which conclusion is definitely true with respect to the statements.

(+1, -0.33)

Statements: $A \geq B$, $A > D$, $C < D$, $E = B$

Conclusions:

- i) $A = E$
- ii) $A > E$
- iii) $A > C$

- a. None
- b. Only i, ii and iii
- c. Only iii and either i or ii
- d. Only i and ii

61. Read the following information carefully and answer the questions based on it. (+1, -0.33)

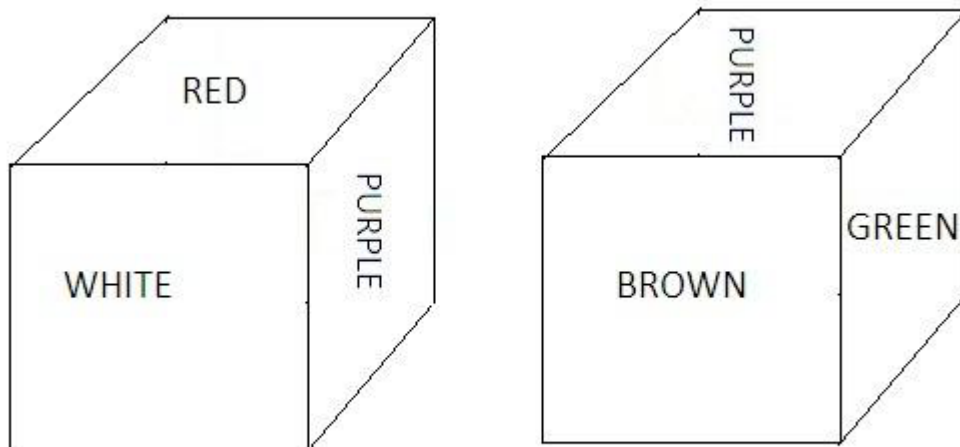
Eight friends Anoop, Geeta, Anil, Kriti, Naila, Kajal, Pintu and Vinod are sitting around a circular table facing the centre.

- i) Anil is third to the right of Naila and second to the left of Kriti.
- ii) Exactly one person sits between Naila and Anoop.
- iii) Geeta is sitting next to Anoop.
- iv) Kajal is not sitting next to Anil.
- v) Vinod is not sitting next to Kriti, but he is exactly opposite Anoop.

Which of the following pairs of friends are sitting exactly opposite each other?

- a. Geeta and Pintu
- b. Vinod and Naila
- c. Anil and Naila
- d. Kriti and Kajal

62. The faces of a die, shown in the figure below, are painted Purple, Red, White, Green, Brown and Orange. Which colour is on the face opposite the Red face? (+1, -0.33)



- a. Green
- b. Purple
- c. White
- d. Brown

63. Read the following information carefully and answer the questions based on it. (+1, -0.33)

Eight friends Anoop, Geeta, Anil, Kriti, Naila, Kajal, Pintu and Vinod are sitting around a circular table facing the centre.

- i) Anil is third to the right of Naila and second to the left of Kriti.
- ii) Exactly one person sits between Naila and Anoop.
- iii) Geeta is sitting next to Anoop.
- iv) Kajal is not sitting next to Anil.
- v) Vinod is not sitting next to Kriti, but he is exactly opposite Anoop.

If Naila interchanges her seat with Anoop and Kajal interchanges her seat with Anil, who will be sitting third to the left of Pintu?

- a. Kajal
- b. Anoop
- c. Anil
- d. Geeta

64. Read the following statements and answer the question based on them. (+1, -0.33)

$A@B$ means A is the mother of B

$A\#B$ means A is the father of B

$A\$B$ means A is the brother of B

$A\%B$ means A is the sister of B

According to the expression $PQ@RS$, how is P related to S?

- a. Aunt
- b. Maternal uncle
- c. Cousin
- d. Father

65. Find the next number in the following series: (+1, -0.33)

66, 101, 143, 192, 248, ?

- a. 311

- b. 381
- c. 278
- d. 296

66. In this question a passage and a statement related to it are given. Read the passage carefully and evaluate the statement on its basis. (+1, -0.33)

The vegetation of Australia can be divided into various botanical groups. Rainfall and temperature are the main factors that determine the vegetation of any region. Most of the plants found in Australia are adapted to its dry climate.

Statement: Temperature plays the role of an important factor in determining the vegetation of a region.

Choose the most appropriate option from the following.

- A - The statement is definitely true.
- B - The statement is probably true.
- C - The statement cannot be evaluated.
- D - The statement is definitely false.

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

67. Based on the logic used in the first pair, choose the replacement for the question mark in the second pair from the options. (+1, -0.33)

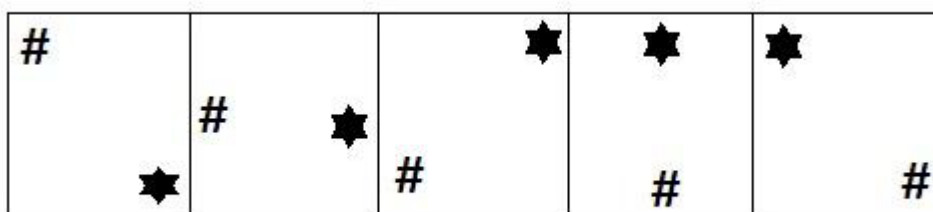
SM : VP :: LG : ??

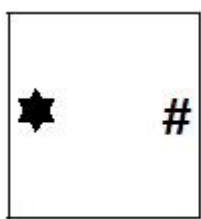
- a. PK
- b. PJ
- c. OK
- d. OJ

68. In a certain code language, MEANING is coded as NVZMRMT. How will OPPOSITE be coded in the same language? (+1, -0.33)

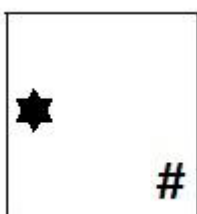
- a. KLLKRGVH
- b. QRRQTKSD
- c. RQQRUJVC
- d. LKKLHRGV

69. Select the appropriate figure from the options that will come next in the given series. (+1, -0.33)

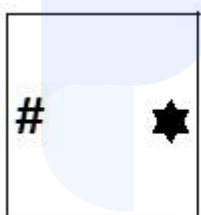




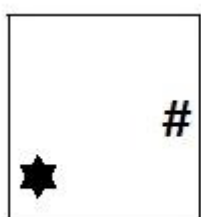
a.



b.



c.



d.

prepp

Your Personal Exams Guide

70. Read the following information carefully and answer the questions based on it. (+1, -0.33)

Eight friends Anoop, Geeta, Anil, Kriti, Naila, Kajal, Pintu and Vinod are sitting around a circular table facing the centre.

- i) Anil is third to the right of Naila and second to the left of Kriti.
- ii) Exactly one person sits between Naila and Anoop.
- iii) Geeta is sitting next to Anoop.
- iv) Kajal is not sitting next to Anil.
- v) Vinod is not sitting next to Kriti, but he is exactly opposite Anoop.

If counted from the right of Vinod, how many people are sitting between Vinod and Kriti?

- a. 2
- b. 0
- c. 3
- d. 1

71. In a certain code language, IGNORE is coded as RKMIVS. How will GINGER be coded in the same language? (+1, -0.33)

- a. KIVKMR
- b. KMRKIV
- c. MRVKIK
- d. RMKVIK

72. In this question a passage and a statement related to it are given. Read the passage carefully and evaluate the statement on its basis. (+1, -0.33)

The vegetation of Australia can be divided into various botanical groups. Rainfall and temperature are the main factors that determine the vegetation of any region. Most of the plants found in Australia are adapted to its dry climate.

The main vegetation of Australia is the grasslands found on hilly mounds. These grasslands are found mainly in Western Australia, South Australia and the northern regions of Australia. They are grass-dominated areas where trees and shrubs are found in very small numbers or not at all. 'Hummock' means a small natural hillock. These grasslands make up one-fourth of the vegetation there. The main vegetation of these grasslands is various grasses with pointed (spiny) leaves.

Statement:

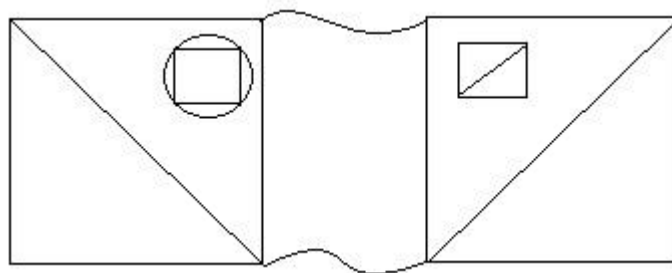
Trees with pointed leaves are found in the 'hummock' grasslands?

Choose the most appropriate option from the following.

- A - The statement is definitely true.
- B - The statement is probably true.
- C - The statement cannot be evaluated.
- D - The statement is definitely false.

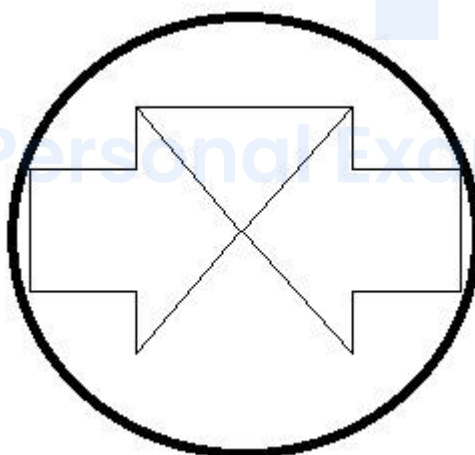
- a. C
- b. B
- c. A
- d. D

73. How many right-angled triangles can be formed from the given figure? (+1, -0.33)



- a. 4
- b. 6
- c. 5
- d. 7

74. How many straight lines are there in the given figure? (+1, -0.33)



- a. 12
- b. 15
- c. 17

d. 14

75. Four of the following five letters are alike in a certain way and so form a group. Which one does not belong to that group? (+1, -0.33)

T, J, A, B, M

a. T

b. A

c. J

d. M

76. If a mirror is placed on the shaded line, the correct mirror image of the given figure will be - (+1, -0.33)



ISRAEL

a.

ISRAEL

b.

ISRAEL

c.

ISRAEL

d.

77. Pointing to a boy, a woman said, "He is the brother of the daughter of my brother's wife." How is the boy related to the woman? (+1, -0.33)

- a. Nephew
- b. Niece
- c. Son
- d. Cousin

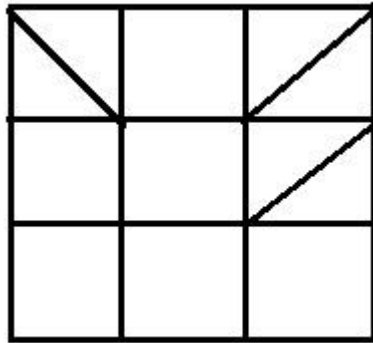
78. Based on the logic used in the first pair, choose the replacement for the question mark in the second pair from the options. (+1, -0.33)

Pig : Piglet :: Bull : ??

- a. Lamb
- b. Calf
- c. Bunny
- d. Cub

79. How many squares are there in the given figure?

(+1, -0.33)



- a. 18
- b. 14
- c. 9
- d. 15

80. Find the next number in the following series:

(+1, -0.33)

458, 461, 456, 463, 452, ?

- a. 474
- b. 465
- c. 470
- d. 439

81. Four of the following five letter-groups are alike in a certain way and hence form a group. Which one does not belong to that group?

(+1, -0.33)

DGJ, MPS, RTV, KNQ, LOR

- a. RTV
- b. KNQ
- c. LOR
- d. DGJ

82. Select the water image of the given figure from the options.

(+1, -0.33)

BOARD

BOARD

a.

BOARD

b.

BOARD

c.

BOARD

d.

-
83. In this question, two statements are given followed by two conclusions i and ii. Taking the statements to be true, decide which of the conclusions logically follow from the statements. (+1, -0.33)

Statements: Some teachers are writers. All writers are readers.

Conclusions:

i). Some readers are teachers.

ii). Some writers are readers.

Choose the most appropriate option from the following:

- A. Only conclusion i follows
- B. Only conclusion ii follows
- C. Either conclusion i or ii follows
- D. Neither conclusion i nor ii follows
- E. Both conclusions i and ii follow.

a. E

b. C

c. A

d. D

-
84. Based on the logic used in the first pair, choose the replacement for the question mark in the second pair from the options. (+1, -0.33)

2136 : 12 :: 4315 : ??

- a. 17
- b. 13
- c. 19
- d. 15

85. In this question, three statements are given followed by three conclusions. Taking the statements to be true, decide which of the conclusions logically follow from the statements. (+1, -0.33)

Statements: All boxes are games. All drugs are boxes. Some cups are boxes.

Conclusions:

- i. Some games are cups
 - ii. All drugs are games
 - iii. Some boxes are drugs
- a. All conclusions follow
 - b. No conclusion follows
 - c. Only conclusions i and ii follow
 - d. Only conclusions ii and iii follow

Arithmetic

86. Simplify:

(+1, -0.33)

$$\frac{1}{11} \div \frac{1}{11} \div \frac{1}{11} \div \frac{1}{11} \div \frac{1}{11} = ?$$

- a. 1221
- b. 1661
- c. 1441
- d. 1331

87. On selling an article for ₹2033, the profit earned is 11% more than the loss incurred on selling the same article for ₹978. Find the cost price of the article.

(+1, -0.33)

- a. ₹1478
- b. ₹1234
- c. ₹1678
- d. ₹1324

88. A cube with a diagonal of $9\sqrt{3}$ cm is melted and recast into a cuboid. What will be the height of the cuboid if its length is equal to the side of the cube and its breadth is 4.5 cm?

(+1, -0.33)

- a. 16 cm
- b. 20 cm
- c. 18 cm

d. 14 cm

89. A person cycling at 30 kmph from the hostel reaches the college 5 minutes late. If he cycled at 36 kmph, he would reach 4 minutes early. Find the distance between the hostel and the college. (+1, -0.33)

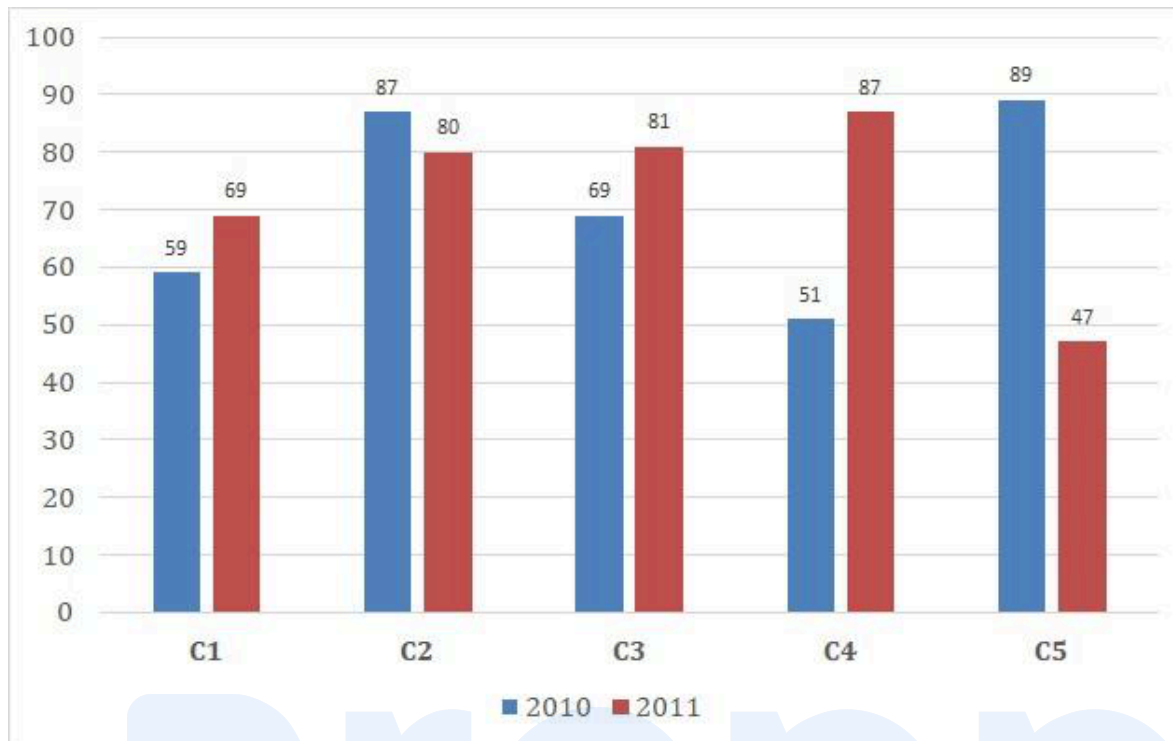
- a. 24 km
b. 32 km
c. 34 km
d. 27 km
-

90. Directions: (+1, -0.33)

Study the following bar graph and answer the question based on it.

The sales of books (in thousands) of five branches (C1, C2, C3, C4 and C5) of a publishing company in two consecutive years 2010 and 2011 are given.

Find the average sales (in thousands) of all the branches in the year 2010.



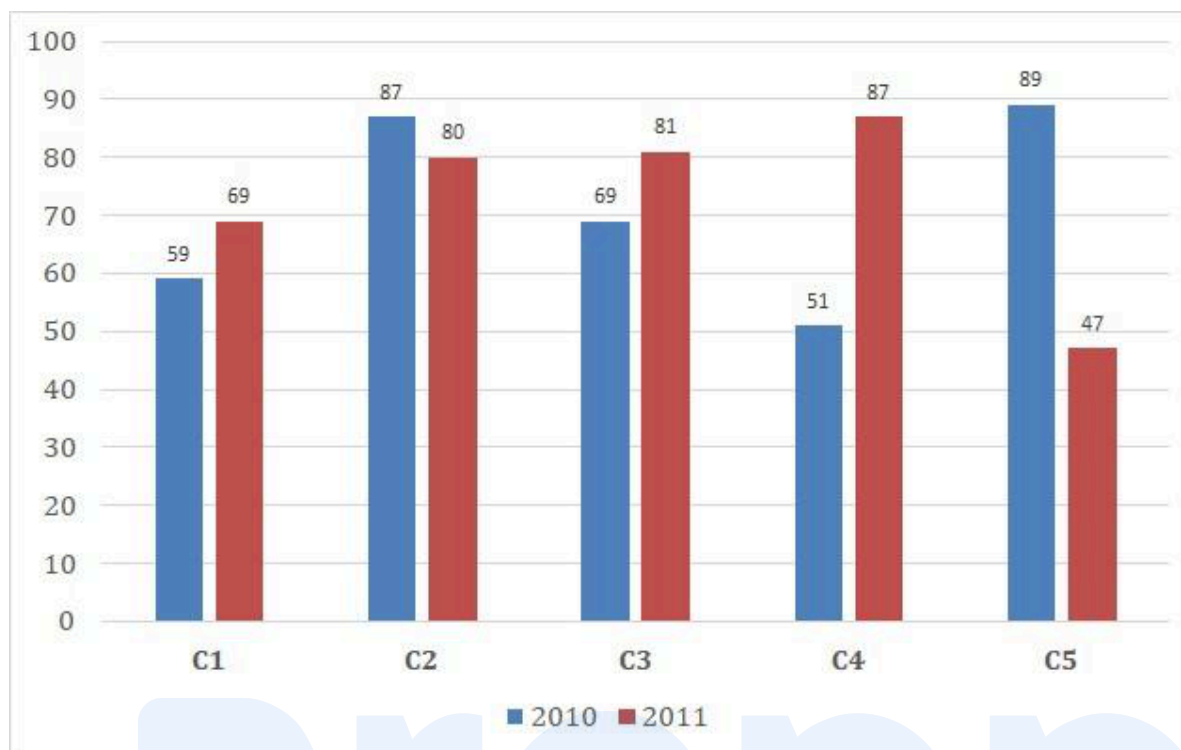
- a. 71
- b. 72
- c. 70
- d. 73

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91. Directions: Study the following bar graph and answer the question based on it. The sales of books (in thousands) of five branches (C1, C2, C3, C4 and C5) of a publishing company in two consecutive years 2010 and 2011 are given. (+1, -0.33)

Find the combined total sales (in thousands) of branches C1, C3 and C5 of the company in both years.



- a. 412
- b. 411
- c. 413
- d. 414

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92. Simplify:

(+1, -0.33)

$$((6^4)^2 \times \frac{1}{216^2}) \times 6 + 16 = ?$$

- a. 224
- b. 242
- c. 216
- d. 232

93. Walking at $(\frac{8}{9})$ of her usual speed, Kerlin covers a certain distance in 12 minutes more than the time taken at her usual speed. Calculate the usual time taken by her to cover that distance. (+1, -0.33)

- a. 145 minutes
- b. 120 minutes
- c. 96 minutes
- d. 115 minutes

94. Simplify: (+1, -0.33)

$$\sqrt{18.49} + \sqrt{73.96} \div 2 = ?$$

- a. 8.2
- b. 8.6
- c. 8.8
- d. 8.4

95. A square piece of glass with an area of 676 cm^2 is placed on top of a table. The width between the piece of glass and each side of the table is 9 cm. Find the length of the table. (+1, -0.33)

- a. 24 cm
- b. 32 cm
- c. 44 cm
- d. 48 cm

-
96. Vinod distributes 400 gifts among 4 children. The gifts received by the first child, twice the gifts received by the second child, three times the gifts received by the third child and four times the gifts received by the fourth child are all equal. How many gifts did the first and second child receive in total? (+1, -0.33)
- a. 226
 - b. 288
 - c. 192
 - d. 120
-
97. A station master decided to increase the length of a rectangular digital board by 5% and decrease its breadth by 5%. Find the net change in the area of the board. (+1, -0.33)
- a. 0.09% increase
 - b. 0.16% decrease
 - c. 0.25% increase
 - d. 0.25% decrease
-
98. Smith donates 13% of his salary to an institution for the blind, 12% to an orphanage and 14% to an institution for the differently abled, and gives 16% of his salary as help in setting up a medical camp. He deposits the remaining ₹29025 in the bank for monthly expenses. How much does he donate to the orphanage? (+1, -0.33)
- a. ₹5540

b. ₹8840

c. ₹6640

d. ₹7740

99. Find the number of trailing zeros in $124!$. (+1, -0.33)

a. 28

b. 26

c. 24

d. 30

100. If the radius of a circle is made 8 times, how many times the circumference of the original circle will its circumference become? (+1, -0.33)

a. 7

b. 9

c. 10

d. 8

101. Directions: (+1, -0.33)

Study the following bar graph and answer the question based on it.

The sales of books (in thousands) of five branches (C1, C2, C3, C4 and C5) of a publishing company in two consecutive years 2010 and 2011 are given.

Find the ratio of the total sales of branch C2 in both the years to the total sales of branch C4 in both the years.



- a. 196:123
- b. 123:196
- c. 167:138
- d. 138:167

102. A person travels along the sides of an equilateral triangular field at speeds of 36 km/h, 30 km/h and 45 km/h. Find his average speed. (+1, -0.33)
- a. 45 km/h
 - b. 36 km/h
 - c. 20 km/h

d. 30 km/h

103. A bag contains old coins of different types in the ratio 7:5:3, whose values are ₹3, ₹4 and ₹5 respectively. If the total value of the coins is ₹392, what is the total number of ₹3 coins? (+1, -0.33)

a. 46

b. 45

c. 42

d. 49

104. Find the product of the numbers whose least common multiple (LCM) is 55 and highest common factor (HCF) is 6. (+1, -0.33)

a. 260

b. 330

c. 300

d. 240

105. An English company based on a support project has 509 male and 509 female workers. The average productivity of all employees is 59 calls/day. If a male worker receives 59 calls/day, how many calls per day will be received by a female employee? (+1, -0.33)

a. 61

b. 55

c. 59

d. 57

106. The ratio of the salaries of Wasim, Wilson and William is 7:11:9. If William gets ₹120 more than Wasim, what is Wilson's salary (in ₹)? (+1, -0.33)

a. 880

b. 440

c. 660

d. 770

107. A train takes 61 seconds to cross a 408 m long bridge. If the same train takes 27 seconds to cross a signboard, find the length of the train. (+1, -0.33)

a. 294 m

b. 384 m

c. 256 m

d. 324 m

108. The average weight of 99 notebooks kept in a box is 9.9 kg. On putting 1 more notebook in the box, its average weight becomes 10 kg. Find the weight of the new notebook. (+1, -0.33)

a. 19.1 kg

b. 19.9 kg

- c. 18.7 kg
 - d. 19.5 kg
-

109. A shopkeeper marks an article 34% above its cost price and then allows a discount of 34% on its sale. Find his overall percentage profit or loss. (+1, -0.33)

- a. 11.56%
 - b. 10.24%
 - c. 9.84%
 - d. 12.64%
-

110. A shopkeeper earns a profit of 12.5% by selling a product for ₹729. Half of the cost price of the article will be equal to how many rupees? (+1, -0.33)

- a. ₹262
 - b. ₹648
 - c. ₹482
 - d. ₹324
-

111. ₹5200 is invested at a simple interest rate of 8% per annum. If the amount is withdrawn after 5 years and half of it is invested in the share market, what is the remaining amount (in ₹)? (+1, -0.33)

- a. 3480
- b. 3640

c. 2680

d. 4260

112. The difference between the compound interest and the simple interest received on the same sum in two years is ₹40. If the rate of interest is 4% per annum, calculate the invested sum (in ₹). (+1, -0.33)

a. 32000

b. 20000

c. 22500

d. 25000

113. A bulb manufacturing company found that 11% of its total production was defective. If the number of good products is 5785, find the number of defective products. (+1, -0.33)

a. 675

b. 575

c. 715

d. 825

114. When a number is divided by 64, the remainder is 31. What remainder will be obtained when the same number is divided by 32? (+1, -0.33)

a. 28

b. 29

c. 30

d. 31

115. A gift box contains 10 bangles. The average weight of the first 4 bangles is 35 gm and the average weight of the remaining 6 bangles is 36 gm. Find the overall average weight (in gm) of all the bangles. (+1, -0.33)

a. 36

b. 35.4

c. 34

d. 35.6

116. In how many ways can 648 mobiles be distributed equally among the students of a class? (+1, -0.33)

a. 20

b. 16

c. 24

d. 14

117. Jermy scores 56 out of 80 in French, 86 out of 100 in English, 42 out of 70 in Spanish and 35 out of 50 in Japanese. Find the overall percentage of marks obtained by her. (+1, -0.33)

a. 76%

b. 84%

c. 73%

d. 71%

118. At compound interest, a sum becomes twice the principal in 3 years. In how many years will it become 64 times the principal? (+1, -0.33)

a. 16

b. 20

c. 14

d. 18

119. Simplify: (+1, -0.33)

$$6 \div 6^{-2} + \sqrt{36} - \sqrt{144} = ?$$

a. 240

b. 230

c. 220

d. 210

120. The ratio of the times taken by Dinesh and Edwin to cover a distance of 1000 km is 13:19. Find the ratio of their speeds. (+1, -0.33)

a. 19:13

b. 22:17

c. 13:19

d. 21:22

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