

1. Which mirror used in torch?

- A. Concave Mirror
- B. Convex mirror
- C. Plane mirror
- D. None of these

2. The ratio of present ages of A and B are in the ratio 7 : 5 and A is six year older than B. what is the ratio of their ages after 7 years?

- A. 10 : 7
- B. 19 : 17
- C. 7 : 6
- D. 14 : 11

3. The cell organelle which is termed as protein factory of the cell.

- a. Ribosome
- B. Lisosome
- C. Mito chondria
- D. Flagellam

4. Identify the figure that completes the pattern.

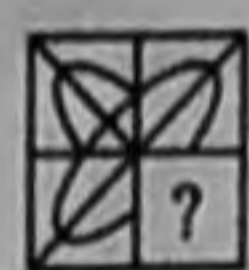


fig (X)



(a)



(b)



(c)



(d)

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

5. Amoeba reproduces by a special process known as.

- A. fragmentation
- B. Regeneration
- C. budding
- D. binary fission

6. Direction: The question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

Statement: Should books by only deserving authors be published?

Arguments: (I) Yes. It will save a lot of paper which is in short supply.

(II) No. It is not possible to draw a line between the deserving and the undeserving.

- A. Only argument I is strong
- B. Only argument II is strong
- C. Both I and II are strong
- D. Neither I nor II is strong

7. What is the SI unit of work is

- A. Joule
- B. Newton
- C. Watt
- D. Kilowatt

8. Angle between the hands of minute and hour hand at 8 'O' clock.

- A. 120°
- B. 150°
- C. 270°
- D. 90°

9. In the Oscar Awards 2018, name the picture that has won the top prize in the category of the Best Picture.

- A. Three Billboards Outside Ebbing, Missouri
- B. The Lion Heart
- C. The Shape Of Water
- D. Call Me By Your Name

10. Find the number of triangles in the given figure



- A. 18
- B. 20
- C. 28
- D. 34

11. What is the chemical formula of Sodium bicarbonate?

- A. NaHCO<sub>3</sub>
- B. NaCO<sub>3</sub>
- C. CaHCO<sub>3</sub>
- D. NaHCO<sub>2</sub>

12. The Book "Exam Warriors" was released by External Affairs Minister Sushma Swaraj at a function in New Delhi. Who authored the book?

- A. Arun Jaitly
- B. Jayaram Ramesh
- C. Narendra modi
- D. Pranab mukherji

13. What is the difference between the place value of 4 and 2 in 3654392.

- A. 3996
- B. 3992
- C. 3998
- D. 4002

14. who has been named the flag-bearer of the Indian contingent for the opening ceremony of the Commonwealth Games in Gold Coast, Australia is.

- A. Abhinav Bindhra
- B. P V sindhu
- C. Mary Kom
- D. Deepa Karmakar

15. If  $\sqrt{625} = 25$ , then the value of  $\sqrt{0.000625} = ?$

- A. 0.0025
- B. 0.025
- C. 0.25
- D. 0.205

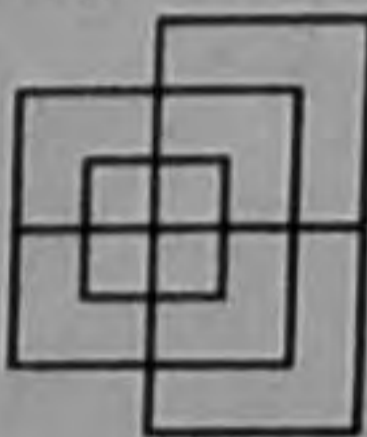
16. Who discovered DDT?

- A. Charles Martin Hall
- B. Paul Herman Muller
- C. Dr. Alexander Fleming
- D. John Herald

17. The sum of the digits of a two-digit number is 8 and the product of the digits is 12. What is the difference between the digits of that number?

- A. 8
- B. 2
- C. 7
- D. 4

18. Find the minimum number of straight lines required to make the given figure.



- A. 13
- B. 15
- C. 17
- D. 19

19. Two horizontal and parallel chords of length 6 cm and 8 cm are drawn on the same side of circle having radius 5 cm. Find the distance between the chords.

- A. 3 cm
- B. 2
- C. 5 cm
- D. 1cm

20. Direction: In the question below is given a statement followed by two conclusions numbered I and 2. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.



- Statement 1. All Politicians marry only beautiful girls.  
Statement 2: X is a beautiful girl.  
Conclusion : 1. X will marry a politician.  
Conclusion : 2. X will not marry a politician.  
A. only conclusion 1 follows.  
B. only conclusion 2 follows.  
C. either conclusion 1 or 2 follows.  
D. both conclusion 1 and 2 follows.

21. Complete analogous pair:



- A. Batallion  
B. School  
C. Flock  
D. Army

22. Who has won the Nobel Prize in Economic Sciences 2017?

- A. George F. Loewenstein  
B. Colin F Camerer  
C. Stewart C. Myers  
D. Richard H. Thaler

23. When a body falls freely from a known height its

- A. KE increases and PE decreases  
B. KE decreases and PE increases  
C. Both KE and PE increases  
D. No change in PE and KE

24. Direction: In the following questions two statements are given and these statements are followed by two conclusions numbered (1) and (2). You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Statements: some ants are snakes. All monkeys are snakes.

- Conclusions: 1. Some monkey are ants.  
2. All ants are monkeys.

- A. If only (1) conclusion follows  
B. If sonly (2) conclusion follows  
C. If both (1) and (2) follow.  
D. If neither (1) nor (2) follows

25. A train overtakes two persons who are walking in the same direction in which the train is going at the rate of 2kmph and 4 kmph and passes them completely in 9 and 10 seconds respectively. The length of the train is.

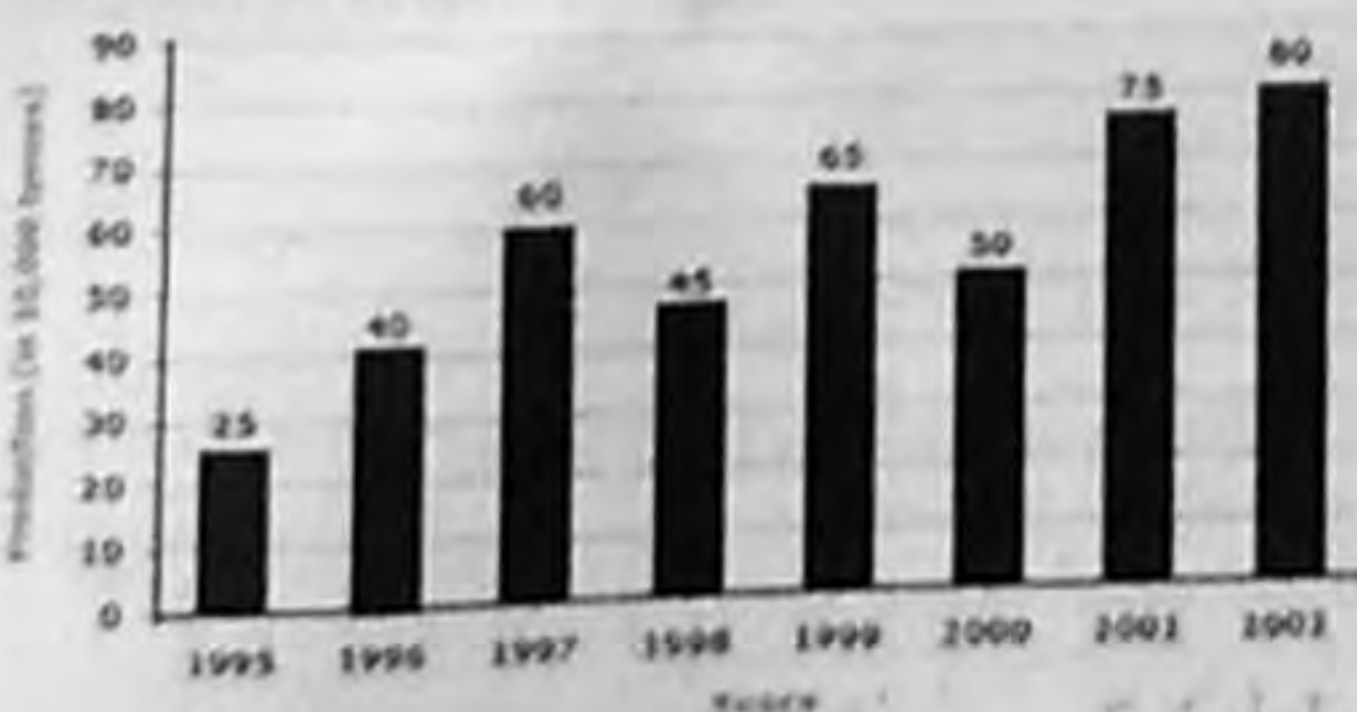
- A. 45 m  
B. 35m  
C. 40m  
D. 50m

26. Who was appointed as the 25th chairman of SBI and succeeds Arundhati Bhattacharya who retired from the service?

- A. Chanda Kochar  
B. Rajanish Kumar  
C. Rakhuram Rajan  
D. Mr. Mistry

27. Study the bar chart and answer the question based on it.

Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



What is the percentage increase in the production of the company from 1996 to 1997.

- A. 50%  
B. 30%  
C. 20%  
D. 900

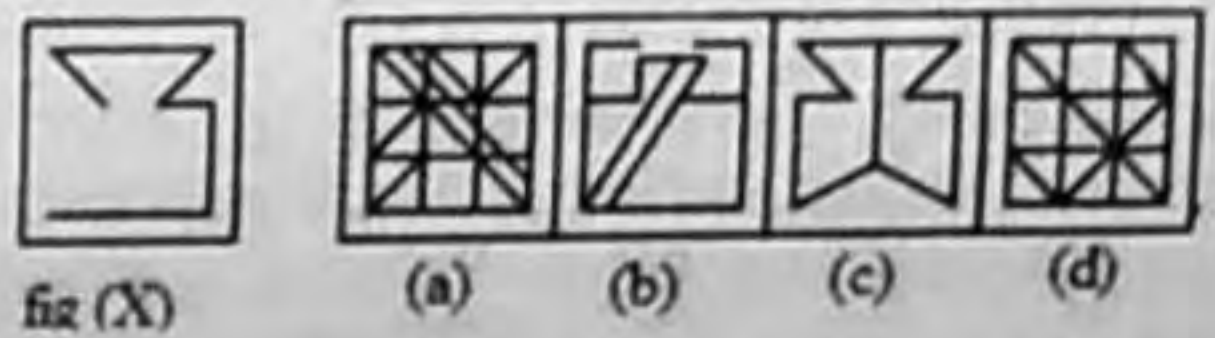
28. Who is the Father of genetics ?

- A. William Harvey  
B. Gregor Mendel  
C. James Watson  
D. George Church

29. In a test containing of 80 questions carrying one mark each, Kiran answers 65% of the first 40 questions correctly. What percent of the other 40 questions does he need to answer correctly to score 75% on the entire test?

- A. 60%  
B. 80%  
C. 75%  
D. 85%

30. In each of the following questions, you are given a figure (X) followed by four alternative figures A., B., C. and D. such that figure (X) is embedded in one of them. Trace out the alternative figure which contains fig. (X) as its part.



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

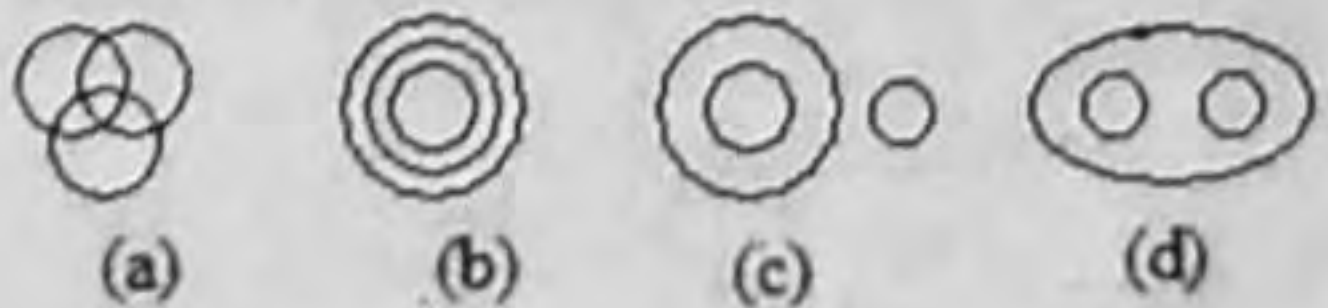
31. A wire of length 22cm and 0.2 cm in diameter is melted and recast into small balls of diameter 0.1 cm. the number of balls made is.

- A. 1300  
B. 1200  
C. 1320  
D. 1500

32. Which one of the following is not a radioactive element?

- A. Uranium  
B. Thorium  
C. Plutonium  
D. Titanium

33. Which of the following diagrams indicates the best relation between Hospital, Nurse and Patient ?



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

34. if the alloy, german silver contains the metals A and B are in the ratio 4 : 3 and C and B are in the ratio 5 : 6, then a : b : c =?

- A. 10 : 7 : 5  
B. 19 : 17 : 7  
C. 8 : 5 : 6  
D. 8 : 6 : 5

35. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D ?

- A. Grandmother  
B. Grandfather  
C. Daughter  
D. Grand daughter

36. If the SI on a certain sum @10% pa for 2 years is 900. What is the compound interest on the same?

- A. 950  
B. 945



37. Among five boys, Vineet is taller than Manick, but not as tall as Ravi. Jacob is taller than Dilip but shorter than Manick. Who is the tallest in their group?

- A. Ravi
- B. Manick
- C. Vineet
- D. Dilip

38. In an hour a boat goes 10 Km along the stream or 4 Km against the stream. The speed of the boat in still water (in Km/h) is:

- A. 5 km/h
- B. 3 km/h
- C. 7 km/h
- D. 6 km/h

39. What day of the week fall in march 19 - 1900.

- A. Monday
- B. Tuesday
- C. Sunday
- D. Wednesday

40. The following question is based on the following alphabet series.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z. Which alphabet comes immediately before the sixth alphabet from the left extreme of the given alphabets?

- A. E
- B. F
- C. G
- D. U

41. Laxman travels 7 km towards south and then 5 km towards his left. He further travels 5 km towards south. How far is he from the starting point?

- A. 13 km
- B. 9 km
- C.  $\sqrt{149}$  km
- D. 22 km

42. Newtons which laws explains the Recoil in gun.

- A. 1st Law
- B. 2nd Law
- C. 3rd Law
- D. Law of Inertia.

43. In following alphabet series, one term missing as shown by question mark. Choose missing term from options: Z, U, Q, ?, L

- A. I
- B. K
- C. M
- D. N

44. In the following diagram rectangle represents men, Triangle represents educated, Circle represents urban and square represents government employees.



Which one of the following represents the educated men but not urban?

- A. 9
- B. 5
- C. 4
- D. 11

45. If  $\times$  means +,  $-$  means  $\times$ ,  $+$  means  $-$  and  $\div$  means  $-$ , then  $(3 - 15 \div 19) \times 8 + 6 = ?$

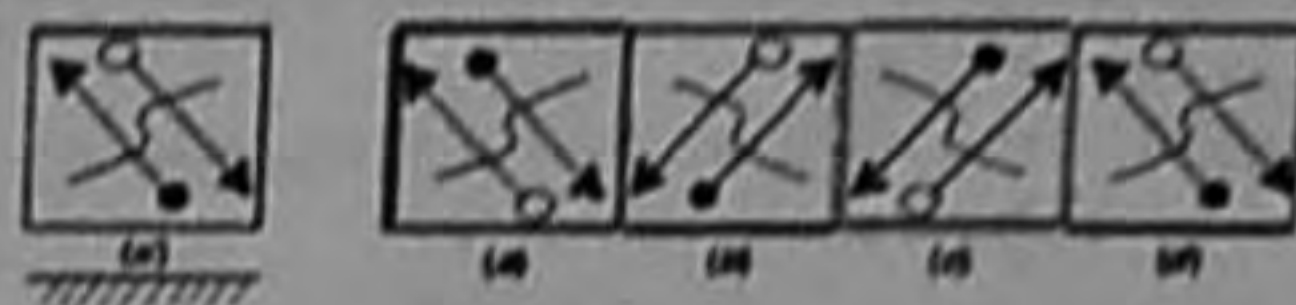
- A. 8
- B. 4
- C. 2
- D. -1

46. Which of these Mughal emperor built 'Fatehpur Sikri'?

- A. Shah Jahan
- B. Jahangir
- C. Akbar

D. Humayun

47. Choose the alternative of fig. (x) which most closely resembles the mirror-image of the given figures.



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

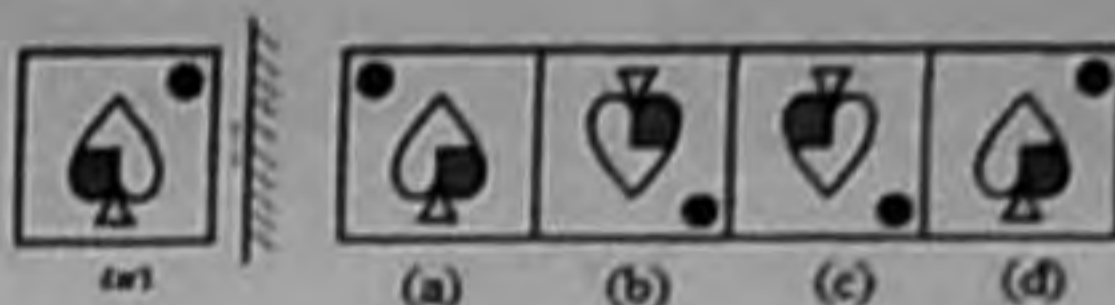
48. An observer 1.6 m tall is 203 away from a tower. The angle of elevation from his eye to the top of the tower is  $30^\circ$ . The heights of the tower is:

- A. 21.6 m
- B. 23.2 m
- C. 24.72 m
- D. 22 m

49. Out of the following elements F(9), Ar(18), Cl(17), Na(11) pair the elements having similar chemical properties

- A. Na, Cl
- B. F, Cl
- C. Ar, Cl
- D. F, Na

50. Choose the correct water - image of the fig. (x) from the given four figures.



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

51. In following question, a number series is given with one term missing. Choose the correct alternative that will same pattern and fill in the blank spaces:

1, 2, 3, 6, 9, 18, ?, 54

- A. 18
- B. 27
- C. 36
- D. 81

52. In the following questions two statements are given and these statements are followed by two conclusions numbered (1) and (2). You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

Statements: all birds are animals, some animals are not cats, some cats are rats.

Conclusions: 1. All birds are cats.

2. Some cats are animals.

- A. If only (1) conclusion follows
- B. If only (2) conclusion follows
- C. If both (1) and (2) follow.
- D. If neither (1) nor (2) follows

53. A shopkeeper will get 10% profit if he sells an article for 440 rupees. If the article sold for Rs. 370 then what will be the loss percentage.

- A. 8
- B. 2
- C. 7
- D. 7.5%

54. Who is the current chief minister of Telungana?

- A. Chandra Sekhar Rao
- B. Chandra Babu Naidu
- C. Manohar Pareekkar
- D. O Paneer Shelvam

55. Coating of zinc on iron is called

- A. Amalgamation
- B. Calcination
- C. Galvanisation

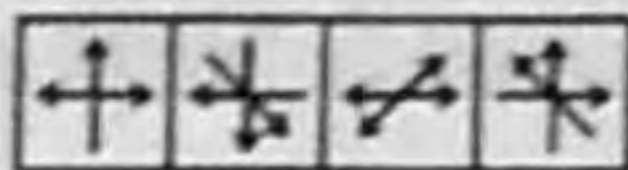


D. None of these

56. In the following questions, find out which of the answer figures A, B, C, and D, completes the figure matrix?



Fig (X)



(a) (b) (c) (d)

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

57. India's rank in 'World Happiness Index' 2018 according to the U N based report is.

- A. 6th
- B. 75th
- C. 81st
- D. 133rd

58. The currency of South Africa is.

- A. Yen
- B. Reminbi
- C. Rand
- D. S hilliny

59.  $\sin 3\theta = \cos (\theta - 260)$ , where  $3\theta$  and  $(\theta - 260)$  are acute angles, then the value of  $\theta$  is.

- A. 290
- B. 300
- C. 270
- D. 260

60. India is set to sign a deal with Japan on the country's first bullet train. This will run from Mumbai to .....

- A. Thane
- B. Culcutta
- C. Ahemmadabad
- D. Delhi

61. Which of the following element is highly reactive?

- A. Ca
- B. Al
- C. Ni
- D. Pb

62. A right triangle with sides 3 cm, 4 cm and 5 cm is rotated the side of 3 cm to form a cone. The volume of the cone so formed is:

- A.  $12\pi \text{ cm}^3$
- B.  $15\pi \text{ cm}^3$
- C.  $16\pi \text{ cm}^3$
- D.  $20\pi \text{ cm}^3$

63. Chemical formula of propane is

- A.  $\text{C}_3\text{H}_6$
- B.  $\text{C}_3\text{H}_8$
- C.  $\text{C}_3\text{H}_4$
- D.  $\text{C}_3\text{H}_{10}$

64. What is the chemical name of vitamin-E

- A. Thiamine
- B. Tocopherol
- C. Pantothenic Acid
- D. Cyanocobalamin

65. Direction: In the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and Give answer

Question: On which day of the week was birthday of Kapil?

Statements:

I. Kapil celebrated his birthday the very next day on which Anun celebrated his birthday.

II. The sister of Kapil was born on Wednesday, the third day of the week and two days after Kapil was born.

- A. I alone is sufficient while II alone is not sufficient
- B. II alone is sufficient while I alone is not sufficient
- C. Both I and II are sufficient
- D. Neither I nor II is sufficient

66. A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?

- A. 5
- B. 7
- C. 6
- D. 8

67. How many chromosomes are given by each parent to the baby?

- A. 22
- B. 24
- C. 20
- D. 23

68. In a certain code, MONKEY is written as XD-JMNL. How is TIGER written in that code?

- A. QDFHS
- B. SDFHS
- C. SHFDQ
- D. UJHFS

69. An object weights 300N in Moon. What will be his weight in earth surface?

- A. 0 N
- B. 30N
- C. 300N
- D. 1800N

70. A and B working together can complete a work in 12 days, B and C working together will complete the work in 15 days, C and A working together can complete the work in 20 days. If all three work together, in how many days the work can be completed?

- A. 8 days
- B. 10 days
- C. 7 days
- D. 4 days

71. Graveyard of RBC?

- A. Spleen
- B. Liver
- C. bone marrow
- D. Appendix

72.  $\sqrt{4624} = ?$

- A. 68
- B. 62
- C. 78
- D. 72

73. Fuse wire is made of which material?

- A. Alloy of Tin and copper
- B. Alloy of Tin and Lead
- C. Alloy of lead and copper
- D. Alloy of copper and Tin

74. Find the value of  $-18 \div (-12 + 6 \div 2)$

- A. 8
- B. 2
- C. 7
- D. 4

75. An incident ray of light falls in a plane mirror at an angle  $20^\circ$ . What is the angle between the incident and reflected ray?

- A.  $0^\circ$
- B.  $20^\circ$
- C.  $140^\circ$
- D.  $40^\circ$