

1. DRDO was formed in  
A.1947 b.1950 c.1954 d.1958  
Ans: 1958

3. The satellite launch vehicle that placed a no. Of satellites into orbit in May 2008 is  
Ans: PSLV-C9

4. Green house effect is due to the increase of atmospheric  
Ans: CO level

5. In the month of July, it is winter in  
Ans: Sydney

6. Sarnath is situated in the state of  
a. MP b. UP c. Punjab d. Bihar  
Ans: UP

7. The chairman of Planning Commission of India  
Ans: Prime Minister

8. Darl-202 is a variety of  
a. Pea b. Garlic c. Capsicum d. Tomato  
Ans: Capsicum

1) pine oils are used in-----  
ans: frothers

2) TTT diagram is also known as-----  
a) s-curve b) c-curve c) isothermal transformation d) all  
ans: d

3) Hyper eutectoid-----  
ans: perlite+cementite

4) In austempering process-----formed  
ans: Bainite

5) Gun metal alloy of Cu+Zn+-----  
ans: tin

6) In nodular cast iron -----added  
ans: Mg

7)  $p+f=$ -----

ans:  $c+2$

8) line defect-----

ans: edge dislocation

9) permanent mould casting-----

ans: centrifugal casting

10) highest co-ordination number-----

ans: h.c.p

11) isobaric at constant-----

ans: pressure

12) when temperature and fahrenheit are same-----

ans: -40

13) acicular structure consists like-----

ans: needle like

14) which property drawn into wires-----

ans: ductility

15) without this can not run the program-----

ans: operating system

16) if train going to one station to other station, first half of the of distance at 40km/hr than next half of the distance at 60km/hr then find the avg. Speed of train-----km/hr

a) 55 b) 50 c) 55.2

ans: b

17) pyrometallurgy used on which process-----

a) roasting b) smelting c) refining

18) phosphorus bronze are used-----

a) bearings b)

19) hot top occurs at-----

a) pig iron molds b) ingot molds c) continuous molds d) ingot molds

20) decarburizing element-----

a) c b) ni c) cr d) si

21) pvr occurs at constant-----

a) temperature b) pressure c) volume

22) increases the clay content in the molding sand then

a) permeability increases b) number decreases

23) freely available metal

a) au & ag b) cu & ni

The questions 41-46 are based on the following pattern. The problems below contain a question

and two statements giving certain data. You have to decide whether the data given in the

statements are sufficient for answering the questions. The correct answer is

(A) If statement (I) alone is sufficient but statement (II) alone is not sufficient.

(B) If statement (II) alone is sufficient but statement (I) alone is not sufficient.

(C) If both statements together are sufficient but neither of statements alone is sufficient.

(D) If both together are not sufficient.

41. What is John's age?

(I) In 15 years John will be twice as old as Dias would be

(II) Dias was born 5 years ago

Ans. (C)

42. What is the distance from city A to city C in kms?

(I) City A is 90 kms from City B

(II) City B is 30 kms from City C

Ans. (D)

43. Is  $A=C$  ?  $A, B, C$  are real numbers

(I)  $A-B=B-C$

(II)  $A-2C = C-2B$

Ans. (C)

44. What is the 30th term of a given sequence ?

(I) The first two terms of the sequence are  $1, 1/2$

(II) The common difference is  $-1/2$

Ans. (A)

45. Was Avinash early, on time or late for work?

(I) He thought his watch was 10 minutes fast

(II) Actually his watch was 5 minutes slow

Ans. (D)

46. What is the value of  $A$  if  $A$  is an integer?

(I)  $A^4 = 1$

(II)  $A^3 + 1 = 0$

Ans. (B)

47. A person travels 12 km in the southward direction and then travels 5 km to the right and then travels 15 km toward the right and finally travels 5 km towards the east, how far is he from his starting place?

(a) 5.5 kms

**(b) 3 km**

(c) 13 km

(d) 6.4 km

48. X's father's wife's father's granddaughter uncle will be related to X as

- (a) Son
- (b) Nephew
- (c) Uncle**
- (d) Grandfather

49. Find the next number in the series 1, 3, 7, 13, 21, 31

- (a) 43**
- (b) 33
- (c) 41
- (d) 45

50. If in a certain code "RANGE" is coded as 12345 and "RANDOM" is coded as 123678.

Then the code for the word "MANGO" would be

- (a) 82357
- (b) 89343
- (c) 84629
- (d) 82347**

51. If "PROMPT" is coded as QSPLOS, then "PLAYER" should be

- (a) QMBZFS**
- (b) QWMFDW
- (c) QUREXM
- (d) URESTI

The questions 52-53 are based on the following data

6 people A, B, C, D, E and F sit around a table for dinner. Since A does not like C, he doesn't sit either opposite or beside C. B and F always like to sit opposite each other.

52. If A is beside F then who is are the two neighbours of B?

- (a) D and C
- (b) E and C
- (c) D and E**
- (d) Either (a) or (b)

53. If D is adjacent to F then who is adjacent to C?

- (a) E and B
- (b) D and A
- (c) D and B
- (d) either (a) or (c)**

54. Complete the sequence A, E ,I ,M ,Q ,U , \_ , \_

- (a) B, F
- (b) Y, C**
- (c) G, I
- (d) K, O

55. A person travels 6km towards west, then travels 5km towards north ,then finally travels 6km towards west. Where is he with respect to his starting position?

- (a) 13km east
- (b) 13km northeast
- (c) 13km northwest**
- (d) 13km west

56. If A speaks the truth 80% of the times, B speaks the truth 60% of the times. What is the probability that they tell the truth at the same time

- (a) 0.8
- (b) 0.48**
- (c) 0.6
- (d) 0.14

33. Out of 10 white, 9 black and 7 red balls, in how many ways can we select one or more balls

- (a) 234
- (b) 52
- (c) 630
- (d) 879**

34. A and B throw a dice. The probability that A's throw is not greater than B's is

- (a)  $5/12$
- (b)  $7/12$**
- (c)  $11/12$
- (d)  $5/36$

35. Given two numbers a and b. Let A denote the single AM between these and S denote the sum of n AMs between them. Then  $S/A$  depends upon

- (a) n**
- (b) n,a
- (c) n,b
- (d) n,a,b

1. Which Vitamin is found in Oranges and Lemons?

Ans: vitamin C in oranges.

2. Shimla Agreement was done between India and \_\_\_\_\_

China,  
Nepal,  
Pakistan,  
Bangladesh.

Ans: Pakistan

3. Who is known as Iron man of India?

Ans: Saradar Vallabhai

4.Which is oldest IIT (Indian Institute of Technology)?

Ans: IIT Karagpur

5.With which Indian state does the International border of Myanmar does not touch?

Assam, Nagaland, Meghalaya, Manipur,Mizoram etc.. (These are Choices.)

Ans: Mizoram

6.Fill in the blanks with preposition- I agree \_\_\_\_\_ this proposal.

Ans: I agree with the proposal.

7.What is the antonym of Obsolete.

Ans: Current.

8.A map was given with West Bengal and Kerala was shaded. Question was- what is the main product of the shaded places?

Ans: Major Tea Producing States In India

North India – Assam, West Bengal, Tripura, Arunachal Pradesh, Nagaland & Himachal Pradesh

South India – Tamilnadu, Kerala & Karnataka

9.Four sentences were given and a grammatically correct sentence was to be founded.

Ans: French live in France.

10.What is Hinyan? Its Hinayana Buddhism

11.What is Kalpana-2 Satellite meant for?

Ans: Kalpana is tracking monsoons.I think there is only Kalpana-1.

You see satellite images of Kalpana-1 tracking the onset of Monsoon and depressions in Bay of Bengal.

12.Where was the First Round Table Conference Held?

Ans: London

13.Who is the writer of the book-'My Country My Life?'



Ans: LK Advani.

14. Who Got First Woman Grand Slam?

Ans: It's not Grand Slam. Grandmaster. The answer is S. Vijayalakshmi.

15. When is Telecommunications Day?

Ans: Telecommunications Day was celebrated last month. The date is 17th May. BSNL celebrates it.

16. Which Gas is responsible for Green House Effect? Carbon Dioxide ???

Ans: CO<sub>2</sub> ( Carbon dioxide )

17. A group of Islands is known as \_\_\_\_\_

Ans: A large group of islands is known as archipelago