

1. If 4 taps can fill a tank in 10 hours. Then how many hours can 6 taps fill the same tank?

- (A) $6 \frac{2}{3}$ hours
- (B) $2 \frac{2}{5}$ hours
- (C) $6 \frac{3}{2}$ hours
- (D) 15 hours

Correct Answer: A

2. A and B together can do a piece of work in 12 days and A alone can complete the work in 18 days. How

long will B alone take to complete the job?

- (A) 6 days
- (B) 30 days
- (C) 36 days
- (D) 21 days

Correct Answer : C

3. A garden is 90 m long and 75m broad. A path 5 m wide is to be built outside around it. Find the area

of the path:

- (A) 850 m²
- (B) 6750 m²
- (C) 1750 m²
- (D) 7600 m²

Correct Answer : C

4. Which of the following numbers is divisible by 33?

- (A) 1333
- (B) 1375
- (C) 2133
- (D) 2145

Correct Answer : D

5. H.C.F of 36 and 264 are:

- (A) 6
- (B) 36
- (C) 792
- (D) 12

Correct Answer : D

6. In how many years will a sum of money triple itself if the rate of interest is 10%?

- (A) 15 years
- (B) 20 years
- (C) 10 years
- (D) 18 years

Correct Answer : B

7. Manu's age is 6 times Binu's age. 15 years hence Manu will be 3 times as old as Binu. Find Binu's age:

- (A) 60 years
- (B) 10 years
- (C) 45 years
- (D) 50 years

Correct Answer : B

8. Find the time taken by a 180 m long train running at 54 km/hr to cross a man standing on a platform:

- (A) 4 seconds
- (B) 12 seconds
- (C) 30 seconds
- (D) 15 seconds

Correct Answer : B

9. What number should be subtracted from each of the numbers 23, 30, 57 and 78 so that the remainders are in proportion?

- (A) 4
- (B) 3
- (C) 6
- (D) 7

Correct Answer : C

10. If $y-x/x=3/8$ Find $y:x$:

- (A) 11:8
- (B) 8:11
- (C) 8:5
- (D) 5:8

Correct Answer : A

11. 'Flower' is related to Petal in the same way as 'Book' is related to:

- (A) Author
- (B) Content
- (C) Page
- (D) Library

Correct Answer : C

12. Find the missing numbers in this series:

2, 6, 18, 54, -, 486, 1458

- (A) 152
- (B) 182
- (C) 162
- (D) 108

Correct Answer : C

13. Find out the missing letter:

B, E, H, K, N, __

- (A) P
- (B) O
- (C) R
- (D) Q

Correct Answer : D

14. If 'A' is in the north of B and C is in the west of B. In what direction is A with respect to C?

- (A) South
- (B) East
- (C) South-West
- (D) North-East

Correct Answer : D

15. Statement: All the students passed the examination. Some students are girls.

Conclusion:

- I. Some boys passed the Examination
- II. All the girls failed the Examination
- III. None of the boys passed the Examination
- IV. None of the girls failed the Examination

- (A) I and II follow
- (B) II and III follow
- (C) I, II and III follow
- (D) None of the above

Correct Answer : D

16. If EDUCATION is coded as NOITACUDE, then REDFORT will be coded as:

- (A) TROFDER
- (B) FORTRED
- (C) TROFRED
- (D) FORTDER

Correct Answer : A

17. Find out the pair which is different from the other given pairs:

- (A) Cow and Buffalo
- (B) Cock and Hen
- (C) Horse and Mare
- (D) Dog and Bitch

Correct Answer : A

18. Find the odd one among these:

- (A) Lake
- (B) River
- (C) Pool
- (D) Sea

Correct Answer : C

19.If HOBBY is coded as IOBY and LOBBY are coded as MOBY then, BOBBY is coded as:

- (A) BOBY
- (B) COBY
- (C) NOBY
- (D) OOBY

Correct Answer : B

20.If I=9 YOU=61 then WE= _

- (A) 28
- (B) 32
- (C) 65
- (D) 50

Correct Answer : A

21.The transformer works on which principle:

- (A) Electrostatic force
- (B) Magnetostatic force
- (C) Snell's law
- (D) Electromagnetic induction

Correct Answer : D

22.Which is the most effective test to determine AIDS?

- (A) Lipid profile test
- (B) Angiograph
- (C) Western blot test
- (D) MRI scan

Correct Answer : C

23.Minamata disease is due to:

- (A) Arsenic
- (B) Lead
- (C) Copper
- (D) Mercury

Correct Answer : D

24.An alloy used in making heating elements for electric heating device is:

- (A) German silver
- (B) Alloy steel
- (C) Nichrome
- (D) Solder

Correct Answer : C

25.Phenomenon behind the formation of rainbow:

- (A) Diffraction of light
- (B) Scattering of light
- (C) Interference of light
- (D) Dispersion of light

Correct Answer : D

26. What is the name of the pigment which helps animal to see in dim light?

- (A) Rhodopsin
- (B) Haemoglobin
- (C) Photopsin
- (D) Chromatin

Correct Answer : A

27. What is oil of vitriol?

- (A) Sodium Chloride
- (B) Nitric Acid
- (C) Sulphuric Acid
- (D) Hydrochloric Acid

Correct Answer : C

28. What is manufactured using Bessemer process?

- (A) Steel
- (B) Gold
- (C) Zinc
- (D) Silver

Correct Answer : A

29. A person suffering from bleeding gum need in his food:

- (A) Carotene
- (B) Citrus
- (C) Vitamin K
- (D) Cod-liver oil

Correct Answer : B

30. Which fossil organism is usually regarded as the connecting link between birds and reptiles?

- (A) Dryopithecus
- (B) Archaeopteryx
- (C) Australopithecus
- (D) Ardipithecus

Correct Answer : B

31. Which of the following work won the 'Odakkuzhal Award' to S. Joseph?

- (A) Manyshyanu Oru Aamukham
- (B) Chandranodoppam
- (C) Chakkarappandhal
- (D) Unnikuttante Lokam

Correct Answer : B

32. Who got the 'Dr. Sukumar Azhikode Thatwamsi Endowment' for this year?

- (A) Dr. T. M. Thomas Issac
- (B) V. S. Achuthanandan
- (C) Ramesh Chennithala
- (D) V. M. Sudheeran

Correct Answer : A

33. Present Jnanpeed winner Raghuveer Chaudhari is a popular writer in ----language

- (A) Marathi
- (B) Gujarati
- (C) Bengali
- (D) Telugu

Correct Answer : B

34. Which country was defeated by India to win her Seventh Crown in SAF Games?

- (A) Pakistan
- (B) Afghanistan
- (C) Kasakistan
- (D) Kirgistan

Correct Answer : ___

35. Who is the present Governor of Reserve Bank of India?

- (A) P.Sadasivam
- (B) (C) Sankara Narayanan
- (C) Raghuram Rajan
- (D) Ajith Dowal

Correct Answer : C

36. Recently dead Mufti Muhammed Sayyid was the Chief Minister of ___ state

- (A) Delhi
- (B) Assam
- (C) Jammu-Kashmir
- (D) Mizoram

Correct Answer : C

37. Who scored 1009 runs in one innings, in the Bhandari Trophy under-16 Inter School Cricket?

- (A) Praveen Dhanvade
- (B) Prakash Dhanvade
- (C) Pratheesh Dhanvade
- (D) Pranav Dhanvade

Correct Answer : D

38. 'Miss World', Miriya Lalguna Roso belongs to which of the following country?

- (A) Span
- (B) France
- (C) Indonesia
- (D) Japan

Correct Answer : A

39. Who among the following was appointed as CEO of NITIAYOG?

- (A) Amithabh Bachan
- (B) Saniya Mirza
- (C) Amithabh Kanth
- (D) Arun Jaitly

Correct Answer : C

40. World's largest Bird statue is built in Jatayu Nature Park. In which place of Kerala, it is built?

- (A) Chennamangalam
- (B) Kothamangalam
- (C) Kaipamangalam
- (D) Chatayamangalam

Correct Answer : D

41. The literacy rate of India is:

- (A) 61%
- (B) 75%
- (C) 80%
- (D) 50%

Correct Answer :

42. Which is the tree generally grown for forestation?

- (A) Mango Tree
- (B) Coconut Tree
- (C) Bannayan
- (D) Teak

Correct Answer : D

43. Who was the first martyr in First Indian Independence War 1857?

- (A) Jhansi Rani
- (B) Mangal Pande
- (C) Savarkar
- (D) None

Correct Answer : B

44. Who was the Chairman of Nehru Committee Report?

- (A) Jawaharlal Nehru
- (B) Motilal Nehru
- (C) Arun Nehru
- (D) None

Correct Answer : B

45. What is a Republic?

- (A) In a democracy the head of the state is a nominated one
- (B) The government is directly elected by the people
- (C) The head of the state is hereditary and legislative is constituted by the representatives of people
- (D) In a democracy, the head of the state is either directly or indirectly elected by the people

Correct Answer : D

46. What is the official name of India?

- (A) Democratic State of India
- (B) Republic of India
- (C) Socialist State of India
- (D) Socialist Secular India

Correct Answer : B

47. Which was the first linguistic state in Independent India?

- (A) Karnataka
- (B) Tamil Nadu
- (C) Andhra Pradesh
- (D) None of the above

Correct Answer : C

48. In which river Bhakra-Nangal Dam is situated?

- (A) Sutlej
- (B) Godavari
- (C) Narmada
- (D) Krishna

Correct Answer : A

49. Swami Vivekananda delivered his famous Chicago Speech in:

- (A) 1872 January 12
- (B) 1892 September 11
- (C) 1882 October 2
- (D) 1867 November 1

Correct Answer :

50. The inventor of world wide web:

- (A) Tim Berner's Lee
- (B) Marc Andreessen
- (C) James H. Clark
- (D) Robert Cailliau

Correct Answer : A