

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The L.C.M. of two numbers is 2079 and their H.C.F. is 27. If one of the number is 189, find the other :
- (A) 299 (B) 197
(C) 295 (D) 297
2. A can do a piece of work in 6 days and B can do in 4 days. How long will they take if both work together?
- (A) $\frac{5}{12}$ (B) $2\frac{2}{5}$
(C) $1\frac{1}{2}$ (D) None of these
3. 30% of a number is 120. Which is the number?
- (A) 300 (B) 400
(C) 500 (D) 450
4. Simplify $0.25 + 0.036 + 0.0075$:
- (A) 0.2935 (B) 0.02935
(C) 0.00136 (D) 0.0136
5. Simplify $\frac{0.2 \times 0.2 + 0.01 \times 0.01}{0.401}$:
- (A) 1.0 (B) 0.01
(C) 0.1 (D) 0.001
6. The sum of two numbers is 44 and they are in the ratio 5 : 6. Find the numbers :
- (A) (20, 24) (B) (21, 23)
(C) (18, 26) (D) (14, 30)
7. Simplify $2\frac{1}{2} - 3\frac{2}{3} + 1\frac{5}{6} =$
- (A) $\frac{1}{3}$ (B) $\frac{2}{3}$
(C) $\frac{1}{4}$ (D) $\frac{1}{6}$

8. The sum of ages of Sita and Reena is 32. Age of Reena is 3 times the age of Sita. Age of Reena is :
- (A) 8 (B) 26
(C) 4 (D) 24
9. Find the odd one in the group :
27, 35, 47, 52, 63
- (A) 35 (B) 52
(C) 47 (D) 63
10. The perimeter of a square is 40 cm. Find the area :
- (A) 10 cm^2 (B) 400 cm^2
(C) 100 cm^2 (D) 160 cm^2
11. In the following question there is a question mark in the blank space and it is only one of the five alternatives given under the question which satisfies the same relationship as is found between the two words to the left of the sign '::' given in the question. Find the correct alternative in the question :
ABDUCT : CDABUT :: ABODE : ?
- (A) BDAOE (B) EOABD
(C) AOEBD (D) DBAOE
12. In the following groups one does not belong to that group. Find the odd man :
Chariot, Bus, Wagon, Car, Sleigh
- (A) Wagon (B) Chariot
(C) Sleigh (D) Car
13. Arrange the following words in the alphabetic order :
- (1) approximation (2) appropriation (3) appurtenance (4) apportionment
- (A) 1, 2, 3, 4 (B) 4, 3, 2, 1
(C) 4, 2, 1, 3 (D) 4, 1, 2, 3
14. Find out the best explanation for the following statement from the answer choices :
Grapes are cheaper than apples. I do not have money to buy two kilograms of grapes. Therefore :
- (A) I cannot buy two kilograms of grapes
(B) I can buy one kilograms of grapes
(C) I cannot buy one kilogram of grapes and one kilogram of apples
(D) I can buy two kilograms of apples

15. In a secret way of writing COME AT ONCE FATHER VERY ILL is written as XLNV ZG LMXV UYGSVI EVIB ROO. Bearing this in mind pick up the code from the answer choices for the word given below :

FIT AND WELL

- (A) URG ZMV DEOO (B) UG ZNV DEOO
(C) URG ZMV DVOO (D) URG ZNV DVOO

16. A person was going towards south, then turns left then left again, then right. After that he turned about. In which direction is he now?

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

17. In the following question the mathematical number follow according to a pattern. Discover that pattern and then pick up the missing number from the answer choices :

2, 5, 9, 19, 37, ?

- (A) 75 (B) 85
(C) 87 (D) 47

18. If the 11th day of a month having 31 days is a Saturday, which of the following days will occur five times in that month?

- (A) Monday (B) Saturday
(C) Sunday (D) Thursday

19. In the question below three words are given. They are followed by four words one of which stands for the class to which these three words belong. Identify that word :

Barbarous, Crude, Rude

- (A) unrefined (B) gentlemanly
(C) rude (D) cultured

20. Read the statements carefully and answer the question which follow :

A cube has six sides each of a different colour. The red side is opposite black. The green side is between red and black. The blue side is adjacent to white. The brown side is adjacent to blue. The red side is face down. The side opposite brown is :

- (A) Red (B) Black
(C) White (D) Green

21. Which is the hardest material ever known in the universe?

- (A) Platinum (B) Graphite
(C) Diamond (D) Marble

22. Which instrument regulates the resistance or current in a circuit?
(A) Volta cell (B) Rheostat
(C) Generator (D) Sonometre
23. The scientist who formulated the "Germ theory of disease" is :
(A) Louis Pasteur (B) Lamarck
(C) Hugo Devries (D) Griger Mendel
24. In which atmospheric level ozone gas is seen?
(A) Mesosphere (B) Lithosphere
(C) Stratosphere (D) Ionosphere
25. Which is the relay centre in our brain?
(A) Pituitary gland (B) Thalamus
(C) Spinal cord (D) Meninges
26. Methane gas is invented by the scientist :
(A) Alexandro Volta (B) Alexander Fleming
(C) John Dalton (D) Thomas Alwa Edison
27. Which of the following units is usually used to denote the intensity of pollution?
(A) Milligrams (B) Nanograms
(C) Parts per million (D) Kilogram
28. Nitrogen fixing bacteria lives in the root tumours of pea-plants is called :
(A) Rhizome (B) Rhizobium
(C) E.coli (D) Streptococcus
29. Which of the following chemicals is used in fire extinguishers?
(A) Sodium bicarbonate (B) Sodium nitrate
(C) Potassium bicarbonate (D) Sodium chloride
30. Which phenomenon of light is behind the rainbow?
(A) Diffraction (B) Scattering
(C) Reflection (D) Radiation

31. What is the full form of 'NITI' in NITI Aayog?
- (A) National Integration and Transforming India
(B) National Institution for Transforming India
(C) National Institution for Transporting India
(D) National Institute for Technology of India
32. Who won the Nobel Prize for Literature in 2014?
- (A) Alice Munro (B) Herta Muller
(C) Patrick Modiano (D) Mo Yan
33. Who is the new President of Sri Lanka?
- (A) Mahindra Rajapaksa (B) Chandrika Kumaratunga
(C) Ranil Wickremasinghe (D) Maithripala Sirisena
34. In which year 'Bharat Ratna', the highest civilian award in India was instituted?
- (A) 1952 (B) 1954
(C) 1956 (D) 1964
35. Who is the present Governor of Kerala?
- (A) P. Sadasivam (B) R.L. Bhatia
(C) Nikhil Kumar (D) Sheela Dikshit
36. Which work of Subhash Chandra won Kendra Sahitya Academy Award 2014?
- (A) Ghatikarantal Nilaykunna Samayam
(B) Bloody Mary
(C) Parudeesa Nashtam
(D) Manushyanu Oru Aamukham
37. On which day 'Mangalyan' was launched from Sriharikota?
- (A) 5 November 2012 (B) 5 November 2013
(C) 24 January 2014 (D) 24 September 2014
38. Who is the Chief Election Commissioner of India?
- (A) H.S. Brahma (B) V.S. Sambath
(C) S.Y. Quraishi (D) Navin Chawla

39. Headquarters of KILA is at :

- (A) Kozhikode (B) Kottayam
(C) Thrissur (D) Ernakulam

40. The final match of FIFA World Cup 2014 was between :

- (A) Germany and Argentina (B) Argentina and Brazil
(C) Germany and Netherland (D) Germany and Brazil

41. Which is the oldest mountain range in India?

- (A) Aravalli (B) Western Ghats
(C) Eastern Ghats (D) Himalayas

42. Which river was considered as sacred by the Vedic Aryans?

- (A) Sindhu (B) Ganga
(C) Saraswathi (D) Brahmaputra

43. Who wrote the famous book 'Poverty and Un-British Rule in India'?

- (A) R.P. Dutt (B) Dadabhai Naoroji
(C) M.G. Ranade (D) Gopalakrishna Gokhale

44. What was the original name of Swami Dayananda Saraswathi?

- (A) Kesab Chandra Sen (B) Narendranath Dutta
(C) Mulshankar (D) Mohan Roy

45. Who among the following English men described the 1857 Revolt was a 'National Rising'?

- (A) T.R. Holmes (B) James Mill
(C) Benjamin Disraeli (D) Sir James Outram

46. Who was the Chief Organiser of the 'Ghadar Movement'?

- (A) Lala Hardayal (B) Mahatma Gandhi
(C) Lala Lajapat Rai (D) Lal Chand Falak

47. The famous Champaran Satyagraha was started by Gandhiji in the year :

- (A) 1916 (B) 1917
(C) 1919 (D) 1920