



**MAR IVANIOS COLLEGE (AUTONOMOUS)**  
**THIRUVANANTHAPURAM**

Application No: .....

Name: .....

**ENTRANCE TEST FOR ADMISSION TO B.Voc (SD), JUNE 2016**

Time: 1½ Hours

Max. Marks: 50

**SECTION A**

*Choose the correct answer from the choices given for the following questions, each question carries **one mark***

1. Binary equivalent of  $10.625_{10}$ ?  
a) 2.101      b) 10.101      c) 1010.101      d) 101.101
2. What is the 2's complement of -38?  
a) 00100110      b) 11011010      c) 11010111      d) 01001011
3. Number of bits in ASCII code is .....  
a) 5      b) 7      c) 8      d) 16
4. Which of the following is not a valid audio file format?  
a) WAV      b) TIFF      c) AIFF      d) MIDI
5. Which of the following is not a processor?  
a) Pentium      b) core i7      c) AMD      d) Android
6. *Energy Star* is related with .....  
a) quantum computing      b) green computing  
c) cloud computing      d) POST
7. Which of the following is system software?  
a) OS      b) MS Office      c) Microprocessor      d) C++
8. Which of the following is not a valid keyword in C++?  
a) this      b) that      c) throw      d) try
9. Select the odd one.  
a) GCC      b) Geany      c) Borland C++      d) C++
10. Identify the type of wave having a frequency of 500 GHz.  
a) radio wave      b) micro wave      c) infrared wave      d) gamma wave

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11. Who is the father of Internet?  
a) Tim Berners Lee      b) Charles Babbage      c) Bill Gates      d) Vint Cerf
12. Which of the following is a broadband technology?  
a) ftp      b) ftth      c) http      d) www
13. Which of the following is a web browser?  
a) Gmail      b) Android      c) ISP      d) Safari
14. Which of the following is not a type of interactions in e-Governance?  
a) G2B      b) G2C      c) G2D      d) G2E
15. Who launched Akshaya centers in Kerala?  
a) P K Kunjalikutty      b) Omman Chandu  
c) A K Antony      d) A P J Abdul Kalam
16. Who is the education minister of Kerala?  
a) C Raveendranath      b) Dr. K T Jaleel  
c) A C Moithen      d) Mathew T Thomas
17. Who scored highest number of goals in world cup football?  
a) Runy      b) Ronaldo      c) Closae      d) Messy
18. Who among the following was the chief minister for two states?  
a) B C Roy      b) K K Thivari      c) H N Bahuguna      d) N D Thivari
19. Who is the first Indian to receive the Nobel Prize?  
a) Ramanujan      b) C V Raman      c) Tagore      d) Aryabhadan
20. Who got highest majority in a Lok Sabha constituency?  
a) Narasimha Rao      b) Modi      c) Paswan      d) Preetham
21. What is the real name of Pope Francis?  
a) George Bargolio      b) Carol Voiteva  
c) Joseph Ratsinger      d) Benadict
22. Who is the vice president of India?  
a) Gulam Nabi Azad      b) Karan singh  
c) Hameed Ansari      d) B S Shekhawat
23. Who scored the highest runs (in a match) in one day cricket?  
a) Sachin      b) Sewang      c) Sayeed Anwar      d) Rohit Sharma
24. Select the odd one among the following rivers.  
a) Bhavani      b) Neyyar      c) Pambar      d) Kabani
25. Name the district without forest in Kerala.  
a) Ernakulam      b) Pathanamthitta      c) Alappuzha      d) Thrissur

26. If  $3 = 5$ , what is the value of 4?  
 a) 6                      b) 6.66                      c) 0.6                      d) 15
27. Two ladies were sitting in a bus stop. A man walked to them and asked, “what is the relationship between you two?” A lady replied, “her uncle calls my uncle, uncle.” State the relationship of the ladies.  
 a) sisters              b) cousins              c) mother and daughter              d) siblings
28. Select the odd one.  
 a) 1              b) 53              c) 153              d) 407
29. Which of the following is not a leap year?  
 a) 1900              b) 1968              c) 1952              d) 2000
30. The roman number to represent 500 is .....
- a) C              b) D              c) L              d) M
31. If A stands for *add*, B for *subtract*, C for *multiply* and D for *divide*, then for what does  $4A3B3A2$  stand?  
 a) 4332              b) 2              c) 6              d) 11
32. Fill up the blank in the series  $B_2CD$ , .....,  $BCD_4$ ,  $B_5CD$ ,  $BC_6D$ .  
 a)  $B_2C_2D$               b)  $BC_3D$               c)  $B_2C_3D$               d)  $BCD_7$
33. Which word does not belong with the others?  
 a) rye              b) sourdough              c) pumpernickel              d) loaf
34. Here are some words translated from an artificial language.  
 agnoscrenia means poisonous spider  
 delanocrenia means poisonous snake  
 agnosdeery means brown spider  
 Which word could mean *black widow spider*?  
 a) deeryclostagnos              b) agnosdelano              c) agnosvitribulunin              d) trymuttiagnos
35. Find the statement that must be true according to the given information.  
 Georgia is older than her cousin Marsha. Marsha's brother Bart is older than Georgia. When Marsha and Bart are visiting with Georgia, all three like to play a game of Monopoly. Marsha wins more often than Georgia does.  
 a) When he plays Monopoly with Marsha and Georgia, Bart often loses.  
 b) Of the three, Georgia is the oldest.  
 c) Georgia hates to lose at Monopoly.  
 d) Of the three, Marsha is the youngest.

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36. Yesterday, they went home only after they ..... their work.  
a) would finish      b) finished      c) had finished      d) had been finished
37. I am afraid, we have ..... of apple juice. Will an orange juice do?  
a) run over      b) run out      c) run about      d) run around
38. She ..... learning music for the last five years.  
a) is      b) was      c) has been      d) had
39. She behaved as if she ..... a queen.  
a) is      b) was      c) were      d) am
40. If they took him to the doctor, they ..... him.  
a) could save      b) could have saved      c) saved      d) would save

(40 × 1 = 40 Marks)

### SECTION B

*Answer any two Questions, not exceeding one page each.*

41. What are the characteristics of a computer?
42. Write a note on India's reusable launch vehicle-technology demonstrator.
43. Write a short essay on *Women empowerment – Importance of empowering women for the overall upliftment of the nation.*

(2 × 5 = 10 Marks)

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