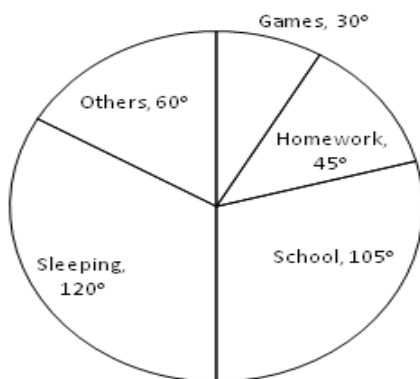# WIRC of ICAI
presents

GD-PI Workshop for CA - FINAL Students

General Instructions:

- ➢ *Written Aptitude Test*

- ➢ *The test comprises 3 sections*

- ➢ *QA and Reasoning; General Awareness and English*

- ➢ *Time allowed:- 45 minutes*

- ➢ *For each correctly answered questions +4 marks*

- ➢ *For each incorrect questions -1 mark*
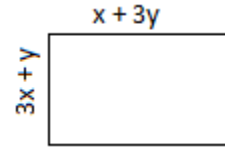
- ➢ *For question not attempted 0 marks*

1. A, B and C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B in 308 seconds and C in 198 seconds, all starting at the same point. After what time will they meet again at the starting point?
   (A) 26 minute 18 seconds
   (B) 42 minutes 36 seconds
   (C) 45 minutes
   (D) 46 minutes 12 seconds

2. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs.1600 each on 1st January and 1st July of a year. At end of the year, the amount he would have gained by way of interest is_____.
   (A) Rs.120
   (B) Rs.121
   (C) Rs.122
   (D) Rs.123

3. The given pie chart shows the hourly distribution of all the major activities of a student. What is the difference in time (in hours) spent in school and in homework.
   (A) 2 hours
   (B) 3 hours
   (C) 4 hours
   (D) None of the above

4. Find the value of x and y in the given rectangle if its length is cube root of 2197 and width is one less than the fourth multiple of first prime number.
   (A) 6, 1
   (B) 3, 2
   (C) 4, 1
   (D) 13, 7

5. If $\dfrac{3+5+7\ldots..+n\ terms}{5+8+11+\cdots+10\ terms}$ = volume of cylinder with diameter 7 units and height $\dfrac{2}{11}$ units, then the value of n is_____.
   (A) 35
   (B) 36
   (C) -37
   (D) 37

6. A railway half ticket costs half full fare. But, the reservation charges are the same on the half ticket as on the full ticket. One reserved first class full ticket from Mumbai to Ahmedabad costs Rs.216 while one full and one half costs Rs.327. What is the value of the first class full ticket and what is the reservation charge respectively?
   (A) Rs.3, Rs.210
   (B) Rs.210, Rs.210
   (C) Rs.6, Rs.220
   (D) Rs.210, Rs.6

7. Manish received Rs. 350 from his mother his father gave him two times the fifth part of what his mother gave him. His sister gave him 11 more than thrice the amount received by him by his father. His brother gave him 1729. For savings, he banked all except for Rs. 750. How much amount he banked?
   (A) Rs. 1800
   (B) Rs. 1900
   (C) Rs. 2650
   (D) Rs. 2000

8. What is the sum of an A.P. whose first term is a. the second term is b and the last term is c.

(A) $\dfrac{(b-c-2a)(a+c)}{2(b-a)}$

(B) $\dfrac{(b-c\mp a)(a+c)}{2b-a}$

(C) $\dfrac{2(a+c)(b-c+2a)}{b+a}$

(D) $\dfrac{(b-c-2a)(a-c)}{b+a}$

9. Find the value of $\dfrac{9^{\frac{3}{2}}-3\times 5^{0}-\left[\dfrac{1}{81}\right]^{\frac{-1}{2}}}{\left[\dfrac{64}{125}\right]^{\frac{-2}{3}}+\dfrac{1}{\left[\dfrac{256}{625}\right]^{\frac{1}{4}}}+\dfrac{\sqrt{25}}{\sqrt[3]{64}}}$

.

(A) $\dfrac{15}{13}$ (B) 0 (C) $\dfrac{16}{5}$ (D) $\dfrac{48}{13}$

10. A set of number consists of four 5's, sixteen 7's, ten 9's, seven 12's, thirteen 13's, and twelve 14's. The difference between mean & median of this set of number is:
(A) 2.37
(B) 3.37
(C) 1.63
(D) 1.53

11. What percentage of a day is six hours and 45 minutes?
(A) 7.218%
(B) 8.3%
(C) 28.125%
(D) None of these

12. A man purchases two clocks A and B at a total cost of Rs.650. He sells A at 20% profit and B at a loss of 25% and gets the same selling price for both the clocks. What are the purchasing prices of A and B respectively?
(A) Rs.225, Rs.425
(B) Rs.250, Rs.400
(C) Rs.275, Rs.375
(D) Rs.300, Rs.350

13. The marks scored by some students for a question in Statistics test are shown in the table below:

Marks	0	1	2	3	4	5
No. of Students	3	2	3	5	x	1

(a) If the mode is 4, write down the smallest possible value of x.

(b) if mean is $2\frac{1}{4}$, find the value of x.

Option	(a)	(b)
(A)	6	2
(B)	5	2
(C)	6	4
(D)	6	3

14. The probability of scoring 100 marks in a test of 100 marks is
(A) $\dfrac{100}{100}$ (B) $\dfrac{100}{101}$ (C) $\dfrac{1}{100}$ (D) $\dfrac{1}{101}$

15. The income of A, B and C are in the ratio 7:9:12 and their spending are in the ratio 8:9:15. If A save ($\frac{1}{4}th$) of his income, then the savings of A, B and C are in the ratio_____.
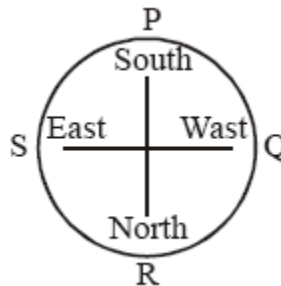(A) 56:99:69
(B) 69:56:99
(C) 99:56:69
(D) 99:69:56

16. Which letter will be sixth to the left of the nineteenth letter from the right end of the English alphabet series?
    (A) M
    (B) N
    (C) X
    (D) None of these

17. There are three pillars X, Y and Z of different heights. Three spiders A, B and C start to climb on these pillars simultaneously. In one chance A climbs on X 5 cm but slips down 1 cm. B climbs on Y 6 cm but slips down 3 cm. C climbs on Z 7 cm but slips down 2 cm. If each requires 50 chances to reach the top of the pillar, what is the height of the shortest pillar?
    (A) 144 cm
    (B) 150 cm
    (C) 153 cm
    (D) 141 cm

18. Two cars start from opposite places on a main road, 150 km apart. First car runs for 25 km and takes a right turn and then runs 15 km. it then turns left and runs for another 25 km and then takes the direction to reach the main road. In the mean time, due to a minor break down the other car has run only 35 km along the main road. What would be the distance between the two cars at this point?
    (A) 65 km
    (B) 75 km
    (C) 80 km
    (D) 85 km

19. Find the missing number from amongst the given options at the place of sign of interrogation?

4	5	3	2	0
7	3	4	4	21
6	4	4	5	22
9	6	5	5	?

   (A) 34
   (B) 42
   (C) 44
   (D) 45

20. If in a particular year, 16th June was Friday, then the first Friday in July of that year will fall on which date?
    (A) 5th July
    (B) 6th July
    (C) 7th July
    (D) 8th July

21. In a given circle directions are given and places of "P" "Q" "R" & "S" have been shown. If P moves one & half quarter clockwise in which direction P will be?

    (A) North-east region
    (B) North-west region
    (C) South-east region
    (D) South-west region

22. The following question is based on letters sequence. In the sequence some letters are missing. Find the correct alternative in the following question of fill in the blanks
    n_mn_mm_nm_n
    (A) n m m n
    (B) m n n m
    (C) n n m m
    (D) m m n m

23. In the following question, arrange the given words in sequence in which they occur in the dictionary and then choose the correct sequence:
    (1) Preach   (2) praise   (3) precinct
    (4) precept   (5) precede

    (A) 2, 1,5,4,3
    (B) 2, 1,3,4,5,
    (C) 2, 5,1,4,3
    (D) 1, 2,5,4,3

24. A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's
    (A) Cousin
    (B) Son
    (C) Uncle
    (D) Son-in-law

25. Gopal is elder by 4 years to Govind, after 16 years Gopal will be thrice his present age and Govind will be five times his present age. How old is Gopal?
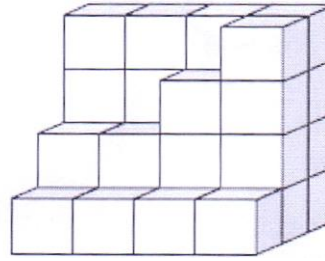   (A) 4 years
    (B) 8 years
    (C) 12 years
    (D) 16 years

26. Find the number of triangles in the given figure.

    (A) 18   (B) 20
    (C) 24   (D) None of these

27. The number of cubes required to complete the given figure into a cube.

(A) 31
(B) 17
(C) 33
(D) 18

For Questions 28 to 30:
Seven friends Kamla, Manish, Rohit, Amit, Guarav, Pritam and Priya are sitting in a circle. Kamla, Manish, Rohit, Amit, Pritam and Priya are sitting at equal distances from each other. Rohit is sitting after 2 places right of Pritam, who is sitting one place right of Amit. Kamla forms an angle of 90^0 from Guarav and an angle of 120^0 from Manish. Manish is just opposite to Priya and is sitting on left of Guarav.

28. Who is the only person sitting between rohit and manish?
    (A) Pritam   (B) Amit
    (C) Guarav   (D) Kamla

29. Guarav is sitting _____ of Priya.
    (A) To the left
    (B) To the right
    (C) Two places right
    (D) None of these

30. Which of the following statement is not correct?
    (A) Pritam is between Manish and Kamla
    (B) Manish is two places left of Priya
    (C) Guarav is sitting opposite to Pritam
    (D) All of these

31. Which among the following countries is the host of 2018 CommonWeath Games?
    (A) Canada
    (B) England
    (C) Australia
    (D) India

32. Which of the following best describe the aim of 'green india mission' of the government of india?
    1) Incorporating environment benfits and costs into the Union and state budgets thereby implementing the 'green accounting'.
    2) Launching the second green revolution to enhance agriculture output so as to ensure food security to one and all in the future.
    3) Restoring and enhancing forest cover and responding to climate change by a combination of adaptation and mitigation measures.
    Select the correct answer using the code given below
    (A) 1 only
    (B) 2 and 3 only
    (C) 3 only
    (D) 1, 2 and 3

33. Highest – profit making company of India is
    (A) Tata Sons
    (B) Reliance industries
    (C) Indian oil
    (D) ONGC

34. Which State tourism department motto is 'A living heritage of heroism'?
    (A) Madhya Pradesh
    (B) Gujarat
    (C) Rajasthan
    (D) Himachal Pradesh

35. Rahul Dravid is associated with the advertising campaign of which bank?
    (A) Bank of Baroda
    (B) Bank of India
    (C) HSBC
    (D) HDFC

36. The Aadhar card contains
    (A) Address of the card holder
    (B) Fingerprints of individuals
    (C) Biometric and demographic data of resident
    (D) Biometric and income status of individual

37. Which Company uses tagline "Drive your Way"?
    (A) Yamaha
    (B) Toyota
    (C) Erickson
    (D) Hyundai

38. These two companies featured among 135 most ethical companies of the world for 2018
    (A) Reliance and Tata steel
    (B) Flipkart and Dabur
    (C) Wipro and Tata steel
    (D) NDTV and Mphasis

39. Which of the above is/are correctly matched?
     (a) Yellow Revolution – Eggs
     (b) Golden Revolution – Oilseeds
     (c) Round Revolution – Potato
     (d) Grey Revolution – Fertilizers.

    (A) (a) and (b)
    (B) (c) and (d)
    (C) (b), (c) and (d)
    (D) (a), (b) and (d)

40. Identify the logo:

(A) Rajasthan Tourism
(B) Air India
(C) Maharaja Palace
(D) SpiceJet

41. Who is the first person of India?
(A) Shri Narendra Modi
(B) Shri Ramnath Kovind
(C) Chief Justice of India
(D) None of the Above

42. On January 12, 2018 india launched how many satellites?
(A) 23
(B) 31
(C) 35
(D) 27

43. Who was named as ICC Test Cricketer of the year in January 2018?
(A) Virat Kohli
(B) Steve Smith
(C) Hashim Amla
(D) Bhuvaneshwar Kumar

44. Which of the following is not a cryptocurrency?
(A) Ripple
(B) Litecoin
(C) Lightcoin
(D) Cardano

45. With reference to 'li-fi', recently in the news, which of the following statement is/ are correct?
1. It uses light as the medium for high speed data transmission.
2. It is wireless technology and is several time faster than wifi.
Select the correct answer using the code given below:
(A) 1 only
(B) 2 only
(C) Both 1 and 2
(D) Neither 1 nor 2

46. Your brothers have tea every morning. (Add a question tag)
    (A) haven't they?
    (B) didn't they?
    (C) won't they?
    (D) don't they?

47. Neither Juan nor Carmen are available. (Choose the appropriate sentence which is grammatically correct) (Note: The question could be grammatically correct, hence is repeated in the options)
    (A) Neither Juan or Carmen is available.
    (B) Neither Juan or Carmen are available.
    (C) Neither Juan nor Carmen are available.
    (D) Neither Juan nor Carmen is available.

48. The noun form of 'rapid' is _____.
    (A) rapidly
    (B) rapidness
    (C) rapidity
    (D) rapidance

49. Out of the given alternatives choose the exact meaning of the idioms/phrases:
    Between the devil and the deep sea
    (A) To be in a dilemma
    (B) To be in a temper
    (C) To choose correctly
    (D) To live dangerously

50. Jane talks on the phone.
    Bob has been talking on the phone for an hour.
    Mary is talking on the phone.
    Who is not necessarily on the phone now? _____.
    (A) Mary
    (B) Bob
    (C) Jane
    (D) All are on the phone right now

51. The noun form of 'prevail' is _____.
    (A) prevelance
    (B) prevailance
    (C) prevalence
    (D) priviledge

52. I _____ my house daily.
    (A) vaccuum
    (B) vacuum
    (C) vaccum
    (D) vacceum

53. In the following question, out of the given alternatives, choose the one which best expresses the meaning of the word:
    MARVELLOUS
    (A) Wonderful
    (B) Attractive
    (C) Pleasing
    (D) Charming

54. In the following question, there are six sentences marked (S_1), (S_6), (P),(Q),(R),(S). The positions of (S_1) and (S_6) are fixed. You are required to choose one of the four alternatives which would be the most logical sequence of the sentences in the passage.
    (S_1) As a dramatist Rabindranath was not what might he called a success
    (P) His dramas were moulded on the lines of the traditional Indian village dramas than the dramas of the modern world
    (Q) His plays were more a catalogue of ideas than a vehicle of the expression of action
    (R) Actually drama has always been the life of Indian people, as it deals with legends of gods and goddesses
    (S) Although in his short stories and novels he was able to create living and well defined characters, he did not seem to be able to do so in his dramas

(S_6) Therefore drama forms the essential part of the traditional Indian culture.

(A)SRQP
(B)QPSR
(C)QSPR
(D)RSQP

For Ques 55 and 56
Out of the given alternatives, choose the one which can be substituted for the given word or sentences

55. A person coming to a foreign land to settle here
       (A)Immigrant
       (B)Emigrant
       (C)Visitor
       (D)Tourist

56. A speech given at the opening of a ceremony
       (A)Inaugural
       (B)Prelude
       (C)Welcome
       (D)Thanks

Ques 57 to 59
In the following passage, certain words are omitted and choice of four alternative words is given. Select an appropriate word to fill in the blank from alternatives
The world bank will take a decision soon on whether to continue support Sardar Sarovar dam on the Narmada, which it had been funding _____(1) it was launched. An internal assessment of the Sardar Sarovar project _____(2) by the bank, following protests by some environmental groups, is nearing completion and its board is expected to decide in May or _____(3), 1993, whether to continue funding the project. The bank's vice-president for economical sustainable development, Ismail Seralgdin who commissioned the review, will make appropriate recommendations to the board soon, according to the World Bank sources here.

57. (1)
    (A) as
    (B) since
    (C) when
    (D) ever

58. (2)
    (A)Commissioned
    (B)Launched
    (C)Constituted
    (D)Started

59. (3)
    (A) April
    (B) August
    (C) June
    (D) January

60. I shall love you till seas go dry. (Identify the figures of speech)
(A) antithesis
(B) hyperbole
(C) personification
(D) metaphor