



## Institute for Advanced Computing & Software Development ( IACSD) Mock Test (Section A)

CCAT Mock test , Section A, Questions 50, Time 60 minutes

Name :

Roll No :

3 marks for correct answer , 1 minus for wrong answer

**Question No. 1 : What is the purpose of a compiler in the context of programming languages?**

- A) Executes the program, B) Translates source code to machine code  
C) Manages memory allocation, D) Debugs the code

**Question no.2**

A pipe can fill a tank with water in 3 hours. Due to leakage in the bottom of the tank it takes  $3\frac{1}{2}$  hours to fill it. In what time will the leakage empty the fully filled tank?

1. 2 hours
2. 15 hours
3. 18 hours
4. 21 hours

**Question no.3, Which of the following is a procedural programming language?**

- A) Java, B) Python, C) C++. D) Haskell

**Question no.4**

Kinjal wants to sell his television. There are two offers, one at Rs 8,000 cash and the other at a credit of Rs 6,000 to be paid after 8 months money being at 18% per annum Which one is the better offer?

1. Rs 6000 at credit
2. Rs 8000 in cash
3. Both Rs 6000 at credit and Rs 8000 in cash
4. Can't be determined

**Question no.5**

Two trains moving towards each other with speeds of 63 km/hr and 81 km/hr, cross each other in 7 seconds. If the difference between their lengths is 20 m, find the length of the shorter train.

1. 90 m
2. 110 m
3. 130 m
4. 150 m

**Question no.6**

A cylindrical container of height 9 cm and radius 6 cm is completely filled with sand. When this sand is poured out it forms a right circular cone of radius 10cm what will be the height of this cone?

1. 9.72 cm, 2. 6.72 cm, 3. 14.72 cm, 4 20.72 cm

**Question no.7, Ravi and Ajay start simultaneously from a place A towards B, 60 km apart. Ravi's speed is 4 km/h less than that of Ajay, Ajay after reaching B, turns back and meets Ravi at a place 12 km away from B. Ravi's speed is?**



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1. 12 km/h
2. 10 km/h
3. 8 km/h
4. 16 km/h

### Question no.8

A man walking with  $(\frac{3}{4})$  of his usual speed, reaches office 16 minutes late. His usual time is

1. 48 minutes
2. 62 minutes
3. 72 minutes
4. 54 minutes

### Question no.9

What should come in place of question mark (?) in the following question?

$$4500 + 12\frac{1}{2}\% \text{ of } ? = 15000$$

1. 56000
2. 84000
3. 80000
4. 65000

### Question no.10

Product of 2 consecutive odd integers is 483. The least among them is

1. 23
2. 21
3. 25
4. 19

### Question no.11

If the rice is sold at Rs 56 per kg, there would be a 40% loss. To earn a profit of 20% what should be the price of rice (per kg)?

1. 112
2. 108
3. 116
4. 124

### Question no.12

The average monthly salary of A and B is Rs. 14000, that of B and C is Rs 15600 and that of A and C is Rs 14400  
Monthly salary of C is

1. Rs. 12400
2. Rs 12800
3. Rs. 15200
4. Rs 16000

### Question no.13



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**The profit percent of Sumit if he sells mobile at marked price after enjoying a commission of 25% on market price, will be**

1. 30%
2. 25%
3. 20%
4.  $33\frac{1}{3}\%$

### **Question no.14**

**The first term of an AP is 2 and common difference is 4. The sum of its 40 terms will be**

1. 3200
2. 1600
3. 2000
4. 2800

### **Question no.15**

**Three numbers are in the ratio 1:2:3 By adding 5 to each of them, the new numbers are in the ratio 2:3:4. The numbers are**

1. 10, 20, 30
2. 15, 30, 45
3. 1,2,3
4. 5, 10, 15

### **Question no.16**

**From the given alternatives, select the word which CANNOT be formed using the letters of the given word GRANDFATHER**

1. RAND
2. AND
3. GRADE
4. FAITH

**Question no.17 : Pointing to a lady in photograph, Sweetie said, "Her son's father is son-in-law of my mother How is lady related to the Sweetie?**

1. Aunt
2. Sister
3. Mother
4. Cousin

### **Question no.18**

**In a certain code, RIPSLE is written as 613082 and WIFE is written as 4192, how is PEWSL written in that code**

1. 32408
2. 69824
3. 41632
4. 35612

**Question no.19 . In programming, what does the term "variable" refer to?**



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A) A reserved memory location to store data    B) A function that returns a value

C) An arithmetic operation    D) A conditional statement

### Question no.20

Select the related analogy from the given alternatives / High tide : Sea :: ? : River

1. Dam
2. Hydroelectricity
3. Bank
4. Undercurrent

### Question no.21

Mayank remembers that the examination is after 18 December but before 21 December, while Suraj remembers that the examination is before 24 December but after 19 December On which date of December is the examination?

1. 20
2. 21
3. 10
4. 22

### Question no.22

In the following question, select the missing number from the given series

?, 5, 15, 45, 113

1. 2
2. 4
3. 1
4. 3

### Question no.23

A man is facing south He turns 135 in the anticlockwise direction and then 180 in the clockwise direction Which direction is he facing now?

1. South-West
2. North-East
3. North-West
4. South-East

### Question no.24

Which one of the given responses would be meaningful order of the following?

A) Rain B) Sunlight C) Vapour D) Cloud

1. B, C, D, A
2. D, A, B, C
3. B, C, D, A
4. C, B, D, A



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### Question no.25

In a certain code language, 2357 means 'please bear with me', 8159 means 'much burden to bear' and 7654 means 'hunter with the bear'. Find the code for 'with'.

1. 7
2. 2
3. 3
4. 5

Question no.26 , Which one of the given response would be a meaningful order of the following?

1)Branches 2)Root 3)Trunk 4)Leaf 5)Flower

1. 41325
2. 12345
3. 23145
4. 43125

### Question no.27

A and B are sons of Mrs. C. D is the wife of A and E is the wife of B. How is Mrs. C is related to both D and E?

1. Daughter-in-law
2. Sister-in-law
3. Father-in-law-
4. Mother-in-law

Question 28 .Rohit Verma has been working in an organization as Officer for the last ten years. His data of birth is 17th February, 1964 He has secured 60% marks in the degree examination and 40% marks in the written test

1. Candidate is not to be appointed
2. Candidate is to be appointed
3. Data given are not sufficient to take decision
4. To be referred to General Manager, Marketing

### Question no.29

Aman's rank is 10th from top and 12th from bottom in a row of people. How many people are there in the row?

1. 21
2. 22
3. 15
4. 18

### Question no.30

Choose the word which is most nearly the **SAME** in meaning as the word printed in **Bold**.

**ERSTWHILE**

1. Recently
2. Former
3. Extant
4. Contemporary



**Question no.31**

Choose the word, which is the antonym of the word printed in bold.

**VIOLATED**

1. Breached
2. Respected
3. Profaned
4. Disobeyed

**Question no.32**

In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and click the option corresponding to it. If the sentence is free from error, click the "No error" option.

Kerala has been ravage (P)/ by heavy rains in the second spell (Q)/of monsoon fury since 8 August (R)/No error (S)

1. P
2. Q
3. R
4. S

**Question no.33**

In the following question, out of the four alternatives, select the word opposite in meaning to the given word

**FEISTY**

1. Hostile
2. Antagonistic
3. Pacific
4. Belligerent

**Question no.34**

In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

**ARDOR**

1. Happiness
2. Bucolic
3. Frail
4. Gusto

**Question no.35**

In the question below, a part of the sentence is underlined. Below are given alternatives to the underlined part, which may improve the sentence. Choose the correct alternative and mark it as your answer. In case no improvement is needed, choose 'No improvement'

I purposely did that with a view to offend her

1. With a view of offending her



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2. With a view that I offend her
3. With a view to offending her
4. No improvement

### Question no.36

In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and click the option corresponding to it. If the sentence is free from error, click the 'No error' option.

This is the first time (A) in my life I am visiting (B)/ a hill station (C) No error (D)

1. A
2. B
3. C
4. D

### Question no.37

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the meaning of the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the option corresponding to 'No improvement'.

Has there been any prior incidents?

1. Has it been
2. Have there been
3. Having there been
4. No improvement

### Question no.38

Out of the four alternatives, choose the word opposite in meaning to the given word.

DEMURE

1. Arrogant
2. Deadly
3. Dastardly
4. Dogged

### Question no.39

In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and click the option corresponding to it. If the sentence is free from error, click the 'No error' option.

India's economy rebounded strongly (P)/ from July 2017 after several quarters of slowdown blame (Q)/ on economic policies pursued by Prime Minister Narendra Modi's government (R) No error (S)

1. P
2. Q
3. R
4. S

### Question no.40



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A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the meaning of the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the option corresponding to 'No improvement'.

Let us discuss the matter amid ourselves.

1. Matter among ourselves
2. Matter along ourselves
3. Matter among ourself
4. No improvement

### Question no.41

The sentence(s) given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

We decided to go out for dinner \_\_\_\_\_ we were both too tired to cook

1. But
2. And
3. As
4. Thus

### Question no.42

Out of the four alternatives, choose the word opposite in meaning to the given word.

**INGENIOUS**

1. Clever
2. Stupid
3. Sophisticated
4. Naïve

### Question no.43

A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the meaning of the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the option corresponding to 'No improvement'.

I don't think I will be able to finish my assignment in time for submission

1. Assignment time for
2. Assignment in timing for
3. Assignment on time of
4. No improvement

### Question no.44

In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and click the option corresponding to it. If the sentence is free from error, click the 'No error' option.

This painting of Pablo Picasso (A) is appearing as a (B)/ fine example of modern art (C) No error (D)

1. A





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2. B
3. C
4. D

### Question no.45

Directions: Read the following passage carefully and answer the questions given below it. Certain words/phrases are printed in bold to help you to locate them while answering some of the questions.

United Nations (UN), international organization established on October 24, 1945 The United Nations (UN) was the second multipurpose international organization established in the 20th century that was worldwide in scope and membership its predecessor, the League of Nations was created by the Treaty of Versailles in 1919 and disbanded in 1946 Headquartered in New York City, the UN also has regional offices in Geneva, Vienna, and Nairobi Its official languages are Arabic Chinese, English, French Russian and Spanish For a list of UN member countries and secretaries-general.

The UN aims to save succeeding generations from the scourge of war, to reaffirm faith in fundamental human rights, to establish conditions under which justice and respect for the obligations: arising from treaties and other sources of international law can be maintained and to promote social progress and better standards.

### QUESTION

Which of the following statement's is/are correct according to the given passage?

1. The UN aims to save succeeding generations from the advantage of war to reaffirm faith in fundamental human rights
2. The UN was originally used to donate from the countries allied against Germany Italy and Vienna
3. The UN has regional offices in Genova, Vienna and China
4. The League of Nations was the predecessor of the United

### Question no.46

In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

#### Pariah

1. Outcast
2. Short-tempered
3. Uncouth      4. Disobedient

### Question no.47

The bus fare between two cities is increased in the ratio 1 : 2. Find the increase in the fare, if the original fare is Rs. 175.

1. Rs. 350
2. Rs. 70
3. Rs. 140
4. Rs. 175

Question No 48 : Which of the following is NOT a valid data type in most programming languages?

- A) Integer    B) Float    C) Character    D) String-Array



## **Institute for Advanced Computing & Software Development ( IACSD) Mock Test (Section A)**

**Question No 49 : What is the purpose of the "if" statement in programming?**

- A) To declare a variable
- B) To repeat a block of code
- C) To make a decision based on a condition
- D) To define a function

**Question No 50 : What does the term "syntax error" refer to in programming?**

- A) Logical mistake in the code
- B) Incorrect indentation
- C) Violation of programming language rules
- D) Memory allocation error