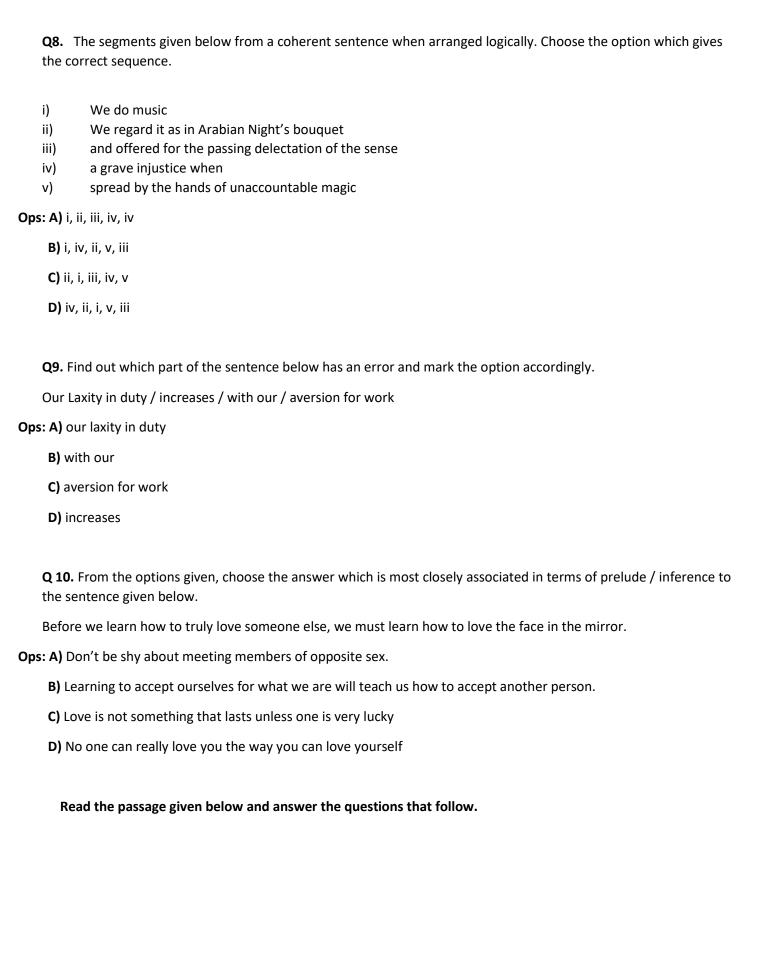
Q1. F	ill in the bla	nks with the most suitable option.
F	le is	_ to malaria. Mosquito bites have no effect on him.
Ops: A) S	Strong	
B) re	esistance	
C) W	Veak	
D) ir	mmune	
	The sentence ect sequence	es given below from a coherent passage when arranged logically. Choose the option which gives the
i) ii) iii)	This was in basket on h Before that	rty-three, has sold fruit and drinks from a wooden table by a bus stop for about eleven years. the countryside, before she moved to Managua when she was nine and began selling fruit from a ner head, walking miles through the city every day. The she worked as an ambulatory vendor, beginning at age six, when her mother sent her out to sell door to door after school to help the family make a living.
Ops: A) ii	i, i, iii	
B) ii	i, ii, i	
C) i,	ii, iii	
Q3. F	-ill in the bla	nks with the most suitable option.
N	ปร. Smith live	es an apartment building in Paris.
Ops: A) n	one of the n	nentioned options
B) ir	า	
C) o	n	
D) a	t	

The plane lay burnt in <u>fragments.</u>
Ops: A) entirety
B) pans
C) whole
D) scraps
Q5. Fill in the blanks with the most suitable option.
She went with the flu last week.
Ops: A) Off
B) down
C) up
D) through
Q6. Which part of the sentence give below has an error in it?
I don't think many / people can say they / are satisfied with they're salary
Ops: A) No Error
B) are satisfied with they're salary
C) people can say they
D) I don't think many
Q7. Fill in the blanks with the most suitable option.
George Washington the first president of the United States.
Ops: A) Were
B) Will
C) Was
D) Won't

Q4. Mark the option which is closest to the meaning of the underlined word or phrase.



Scientists on Thursday announced the discovery in Catalonia of fossil remains of a small, fruit-eating female ape that lived in a warm, wet forested region teeming with animals including elephant relatives, rhinos and saber-toothed predators. They gave the ape, weighing 9-11 pounds (4-5 kg), the scientific name Pliobates cataloniae and the nickname "Laia."

"There is no living primate like Pliobates, which exhibits a unique combination of modern ape-like features with other, more primitive ones," said paleobiologist David Alba of the Catalan Institute of Paleontology near Barcelona. "We can imagine a small ape, like the smallest living gibbons, with a gibbon-like appearance regarding the cranium but with different body proportions: less elongated arms and hands."

Alba said Pliobates, which lived during the Miocene epoch, moved through the forest canopy differently than today's gibbons, using slow and cautious climbing, like a loris, a more primitive primate, while sometimes hanging below branches.

The remains include 70 bones or bone fragments including a skull exceptionally complete for a primate from that time. Its teeth look primitive compared to today's apes including both the small-bodied "lesser apes" like gibbons and siamangs and the larger-bodied "great apes" like orangutans, gorillas, and chimpanzees. Its skull exhibits features including overall shape similar to today's apes, although it more closely resembles gibbons than great apes. Its elbow and wrist are similar to today's apes. But the external bony ear is more primitive than in living apes and monkeys. "Pliobates suggests that small-bodied apes played a much more important role in the origin of extant apes than previously recognized and that their last common ancestor, in several respects, skull shape and body size, might have been more gibbon-like than previously thought," Alba said.

Gibbons are small, arboreal apes from rainforests in parts of Asia. Alba said the evolutionary divergence of gibbons and great apes occurred between 20 and 15 million years are meaning Pliobates because of its age cannot be the last common ancestor.

Gibbons are small, arboreal apes from rainforests in parts of Asia. Alba said the evolutionary divergence of gibbons and great apes occurred between 20 and 15 million years ago, meaning Pliobates because of its age cannot be the last common ancestor of today's apes and the human lineage. But Pliobates may have descended from an ape that lived just before this evolutionary split. "As a result, Pliobates gives us insight as to how this common ancestor would have been," Alba said.

[Source: Reuters.com]

Q11. A Comprehended from the passage, a paleobiologist studies:

Ops: A) apes and their origin

- B) fossil life forms with reference to their origin and structure
- C) various changes in the bone structure of animals
- **D)** the evolutionary changes in animals

Q12. Which one of the following features <u>does not</u> differ pilobates from Gibbons as suggested by David Alba in the passage?

Ops: A) Primitive teeth

- B) More primitive external bony ear
- C) Less elongated arms and hands
- **D)** None of the mentioned options

Q13. What is the meaning of arboreal as used in the passage?

Ops: A) Primitive Living being

B) Gibbon like

C) Herbivorous
D) Living in trees
Q 14. Choose the word Closest to the meaning of the word given below:
CRUDE
Ops: A) Kind
B) Pure
C) Raw
D) Delicate
Q15. Choose the option which is closest to the opposite in meaning of the given word or phrase.
RAPACIOUS
Ops: A) Furious
B) Appeased
C) Savage
D) Greedy
Q16. Which part of the sentence given below has an error in it?
According to the survey / more of forty percent / of the population do not / have access to banks.
Ops: A) of the population do not
B) According to the survey
C) more of forty percent
D) have access to banks
Q17. Fill in the blanks with the most suitable option.
In government jobs, there a much higher level of job security in comparison corporate jobs
Ops: A) is, to
B) will be, of
C) is, that to
D) was, that of

Read the following information carefully and answer the questions that are given below it.

Kavi is son of Mukesh. But Mukesh is not the mother of Kavi. Tamanna and Mukesh are married couple. Ansh is brother of Mukesh. Divva is daughter of Tamanna. Ganesh

of Mu	ıkesh. Divya is daughter of Tamanna. Ganesh
Q18.	How many male members are there in the family?
Ops: A	A) Three
E	B) Two
C	C) Four
[O) One
Q19.	Who is the mother of Kavi?
Ops: A	A) Mukesh
E	3) Cannot be determined
C	C) Divya
	D) Tamanna
Q20.	How many children does Tamanna have?
Ops: A	A) Four
E	B) One
C	C) Three
	D) Two
Q21.	Who is the wife of Ansh?
Ops: A	A) Cannot be determined
E	B) Divya
C	C) Tamanna
0	D) Mukesh

Q22. The statements given below are followed by some conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

Statements:

- i. All roads are Poles
- ii. No Pole is a house.

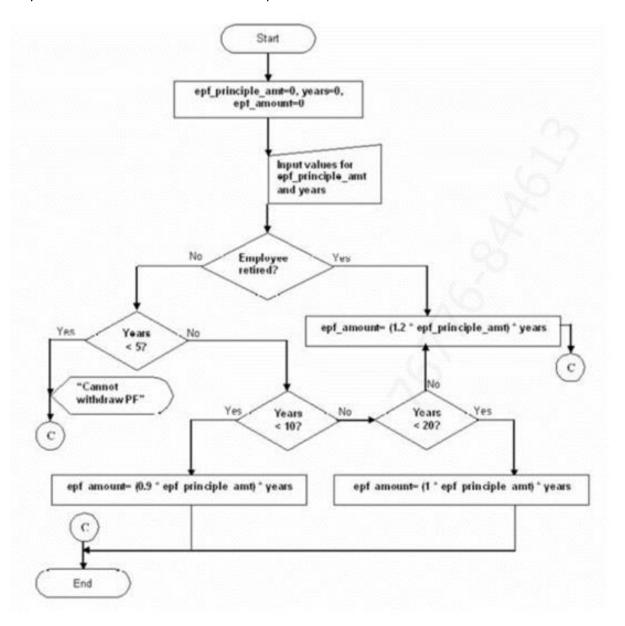
Conclusions:

- i. Some roads are houses
- ii. Some houses are poles

Ops: A) Neither Conclusion I nor Conclusion II follows

- B) Both Conclusion I & Conclusion II follow
- C) Only Conclusion II follows
- **D)** Only Conclusion I follows

Study the flow chart below and answer the questions that follow.



Q24. If an employee quits the organization after 4.5 years of service, what is the "epf amount" he would get if the principal amount is \$12,500?

Ops: A) \$ 25,000

- B) \$ 50,000
- C) \$ 50,625
- D) He cannot withdraw his PF

Q25. If an employee quits the organization after 9.5 years of service, what is the "epf amount" he would get if the principal amount is \$27,500?

Ops: A) \$220,500

- **B) \$**235, 125
- **C) \$**230, 550
- **D) \$** 235, 250

Q26. If an employee retires after 20.5 years of service, what would his "epf amount" be if the principle amount accumulated in his account is \$52,000?

Ops: A) \$152,000

- **B)** \$679,000
- **C)** \$1,279,000
- **D) \$** 127,900

Q27. The question given below is followed by two statements numbered I and II. Determine if the statements are, individually or together sufficient to answer the question.

Question: What is the average daily wage of a plumber for five days, if he made \$80 on the first day?

Statements:

- I. The plumber made a total of \$400 during the first four days
- II. The plumber made \$20 more each day than he did on the previous day

Ops: A) only one of the statements, alone, is sufficient to answer the question but the other statement is not

- **B)** Statements I & II together are not sufficient to answer the question asked and additional data to the problem is needed
 - **C)** Each statement alone is sufficient to answer the question
- **D)** Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.

Q28. If an employee retires after 20.5 years of service, what would his "epf amount" be if the principle amount accumulated in his account is \$52,000?
Ops: A) \$152,000
B) \$ 679,000
C) \$1,279,000
D) \$ 127,900
Read the following information carefully and answer the questions that follow.
6 friends Paul, Sam, Charles, Edward, Adam and David are studying in 6 different institutes Charaka institute, Cheer institute, Hamilton institute, Bardly institute, Vasan institute and Fulton institute. They are living in different rooms in a hostel between room numbers 101 to 106. The following information is also known.
 Persons staying in even numbered rooms are studying in Cheer institute, Fulton institute and Vasan institute. Edward is studying in Bardly and stays in room number which comes next to Fulton institute student's. Persons whose names start with vowels are studying neither in Hamilton institute nor Fulton institute. David is studying at Fulton institute and Paul, who stays in room number 106, is studying in Vasan institute. Charles is studying in the institute that starts with letter 'C' and stays in an even numbered room. The difference between the room numbers of Paul and Adam is maximum. The room number of Edward is one less than the room number of Charles.
Q28. Who is staying in the room with number 104?
Ops: A) Sam
B) Adam
C) Charles
D) Edwards
Q29. Who is staying in the room with number 101?
Ops: A) Sam
B) David

C) Adam

D) Edward

Q30. What is the room number of Sam?
Ops: A) 103
B) 104
C) 105
D) 102
Q31. Who is staying in the room number 103?
Ops: A) Sam
B) Edward
C) Adam
D) Charles
Q32. Which among the following sentences best develops or supports the argument given below?
Argument: The government has decided to reduce the customs duty on computer peripherals
Ops: A) The domestic market price of Computer peripherals may go up in the near future.
B) None of the mentioned Options
C) The sale of Computer peripherals is to be increased
D) The domestic manufacturers may oppose the decision of the government.
Q33. Mark the option containing the sentence that weakens the argument given below.
Argument : The management of KLM Pvt. LTD asked the sales union to call of the strike immediately otherwise the management would be forced to close down the company.
Ops: A) Management of a company can run the company with new sales executive during the strike.
B) Management of KLM Pvt. Ltd. Can't run the company without sales executives
C) Management should close the company during strikes
D) Management of the company is warning the sales executives to stop the strike.
Q34. The symbols +, -, *, and \$ are used with the following meaning illustrated.
'P * Q' means 'P is not greater than Q'
'P – Q' means 'P is neither greater than nor equal to Q'
'P \$ Q' means 'P is not smaller than Q'
'P + Q' means 'P is neither smaller than nor equal to Q'

'P / Q' means 'P is neither smaller than nor greater than Q'

Now assuming the given statements are true, identify the conclusion/s that is/are definitely true

Statements:

- i. W \$ K
- ii. K + R
- iii. R/N

Conclusions:

- i. N-K
- ii. R-W
- iii. W+N

Ops: A) Only Conclusion I follows

- B) Only either Conclusion II or Conclusion III follow
- C) Only either Conclusion I or Conclusion II follow
- D) All follow

Q35. The statements given below are followed by some conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statement logically.

Statements:

- I. Some Summers are winters
- II. Some winters are monsoons
- III. Some monsoons are springs
- IV. Some springs are seasons

Conclusions:

- I. Some Summers are seasons
- II. No Summer is a season

Ops: A) Both Conclusion I and conclusion II follow

- B) Only Conclusion II follows
- C) Neither Conclusion I nor Conclusion II follows
- D) Only Conclusion I follows

langua	ige?				
Ops: A	A) AEJ				
В) AFI				
С) AFJ				
D) AEI				
Q37. If langua		COFFEE" is coded as "DPGG	GFF", then how would "F	IGHT" be coded in the same co	de
Ops: A	A) GHJUI				
В) GHJIU				
С) GJHIU				
D) GJHUI				
Q 38.	Which one of the following im	ages is most unlike the other	s?		
Ops:	(1) A. ○(4) B. ○(2) C. ○(1) D. ○(3)	(2)	(3)	(4)	
	Below given figures are the Find the Cube?	ont and TOP views of a Cub	oe. Choose among the Ar	nswer figures that shows the B	ack
	Front View	Top View			
Ops: A	s) (a)				
) (b)				

D) cannot be determined

Q36. If in a certain code language "MRV" is coded as "GLP", then how would "GLP" be coded in the same code

Q40. The problem figure given below has the properties of a Latin Square. A Latin square bears the following two properties:

- 1. A row or a column never contains the same item twice
- 2. Every row and column contain the same items

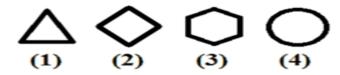
From the items given in the Response Figures, choose the one that should come in place of "?" in the problem Figure.

Problem Figure:

Problem Figure:

Δ			0
\Q	0		
		Δ	
			?

Response Figures:



Ops: A. (4)

B. (3)

C. (2)

D. (1)

Q41. If in a certain code language, "CHOPPER" is coded as "ONQFPQB", then how would "DISSENT" be coded in the same code language?

Ops: A) XIJNXDJ

B) XIJNXDI

C) XIJMXDI

D) XIJMXDJ

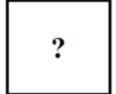
Q42. In the following question, choose the answer from the **Response Figure** which when put in place of the question mark would complete the relation given in the first two images of the **problem Figure**?

Problem Figure:

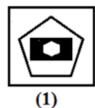








Response Figure:









Ops: A. (1)

B. (3)

C. (2)

D. (4)

Ops: A) 1

B) 3

C) 2

D) 4

Q43. Pick the odd one out from the given options.

Ops: A) Pond

B) Stream

C) River

D) Brook

Q44. Find the missing term in the series given below.

1607, 1697, 1809, 1965, 2209

Ops: A) 2629

B) 2781

C) 2435

D) 2507

Q45. Find the missing term in the series given below.
1, 7, 23, 55, 109, 191
Ops: A) 307
B) 299
C) 301
D) 325
Q46. Find the missing term in the series given below.
CDF, EFH, HIK, ? , TOW, EFH
Ops: A) LMO
B) LOP
C) LNP
D) MNO
Q47. Find the missing term in the series given below.
7, 9, 66, 12, 14, 66, 17, ? , ?
Ops: A) 66, 19
B) 19, 22
C) 20, 66
D) 19, 66
Q48. Mark the option that most logically completed the following sequence.
Ops: A)
B) Brain
C) Bones
D) Skin
Q49. Mark the odd one out from the given options.
Ops: A) Violin
B) Harp
C) Trumpet
D) Sitar

Q50. Mark the odd one out from the given options.

Ops: A) 31st March, 2009

- **B)** 29th February 2001
- **C)** 30th March 2005
- **D)** 28th February 2010

Q51. Following are the two statements given about archiving in outlook 2016. Analyze the statements and select the Correct option.

Statement 1: Archiving is used only to move your older items to a different data file

Statement 2: Archiving is intended to create copies of your data items for safe storage at disparate locations

Choose the correct answer from the options given below.

Ops: A) Both the statements are correct

- B) Only statement 1 is correct
- C) Both statements are incorrect
- D) Only statement 2 is correct

Q52. When you create a custom-building block, how does MS WORD save it?

Ops: A) Word Saves it in a special file called the Quick blocks template

- B) Word Saves it in a special file called the Building blocks template
- C) None of the mentioned options
- D) Word Saves it in a special file called the Quick Parts template

Q53. If you want triple line spacing, which of the following options will you select and specify 3 as the value?

Ops: A) Multiple

- B) Both Double and Multiple
- C) Single
- D) Double

Q54. In what scenario will you receive the error message shown in the image given below?



Ops: A) None of the mentioned options

- B) If you try to copy an Appointment from one calendar to another
- C) If you try to edit an Appointment from one calendar to another

D) If you create a custom folder and attempt to set a reminder for a calendar event in that folder

Q55. You are required to add data from an excel worksheet into your presentation. You have copied the data from an excel worksheet and are pasting it into your presentation?

Which of these paste options would you select to copy the data as PowerPoint table, using the format of the presentation:

Ops:

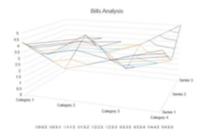






D. O It is not possible

Q 56. Bills is working for a consulting firm as a data analyst. He is using the given chart for representing his analysis in the PowerPoint presentation. Which of these chart options would represent the given chart for data visualization in PowerPoint?



Ops: A. ORadar

B. O Surface

C. OStock

D. OScatter

Q 57. Which of the following formulae can be used to calculate the average of the third highest score and the third lowest score from the given list of scores?

.dl	Α	В
1	Name	Score
2	Tanya	18
3	Dhruv	15
4	Monica	20
5	Neelay	16
6	Aakash	26
7	Arijit	14
8	Divya	19
9	Ajoobi	29
10	Jai	13
11	Aman	25
12	Deepti	17
13	Rahul	27

Ops:	Α.	=AVERAGE((SMALL(3,B2:B13)),LARGE(3,B2:B13))
	В.	\bigcirc =AVERAGE((SMALL(A2:A13,0)),LARGE(B2:B13,0))
	C.	=AVERAGE((SMALL(B2:B13,0)),LARGE(B2:B13,0))

Q 58. Which of the following formulae can be used to determine the total sales for Apples in South India?

Δ	Α	В	С	D	E	F	G	Н	1
1	Region	City	Chain	Product	Total Sales				
2	North India	Agra	Apna Bazar	Orange	3451				
3	North India	Meerut	Apna Bazar	Apple	6753				
4	North India	Kanpur	Apna Bazar	Banana	5364				
5	North India	Gurgaon	Apna Bazar	Orange	7685				
6	North India	Lucknow	Apna Bazar	Grapes	7875		2		
7	North India	Banaras	Apna Bazar	Banana	4567		Sumif		
8	North India	Ghaziabad	Apna Bazar	Apple	8976		South India	Apple	
9	Central India	Bhopal	Fruit Bazar	Orange	3875				
10	Central India	Indore	Fruit Bazar	Mango	8709				
11	South India	Mumbai	Fruit Retailer	Banana	5478				
12	South India	Pune	Fruit Retailer	Grapes	3427				
13	South India	Hyberabad	Fruit Retailer	Apple	6537				
14	South India	Kochi	Fruit Retailer	Orange	6754				
15	South India	Chennai	Fruit Retailer	Mango	8765				
16	South India	Vellore	Fruit Retailer	Apple	8079				
17	South India	Bengaluru	Fruit Retailer	Orange	3906				
18	South India	Mysore	Fruit Retailer	Grapes	4582				

Ops: A. = SUMIFS(E2:E23,A2:A23,A11,D2:D23,D13)
 B. = SUMIFS(E2:E23,A2:A23,"A11",D2:D23,"D13")
 C. = SUMIFS(E2:E23,A11,A2:A23,D13,D2:D23)
 D. = SUMIFS(E2:E23,(A2:A23,A11),(D2:D23,D13))

Q 59. Which of the following formulae can be used to calculate the average of the fourth highest score and the fourth lowest score from the given list of scores?

A	A	В
1	Name	Score
2	Tanya	18
3	Dhruv	15
4	Monica	20
5	Neelay	16
6	Aakash	26
7	Arijit	14
8	Divya	19
9	Ajoobi	25
10	Jai	13
11	Aman	25
12	Deepti	17
13	Rahul	27

D. OCross-reference

Ops:	Α.	○ =AVERAGE((SMALL(B2:B13,4)),LARGE(B2:B13,4))
	B.	=AVERAGE((SMALL(A2:A13,0)),LARGE(B2:B13,0))
	C.	=AVERAGE((SMALL(B2:B13,0)),LARGE(B2:B13,0))
	D.	. ○=AVERAGE((SMALL(4,B2:B13)),LARGE(4,B2:B13))
0.60	14/h	hiah hara af siass ahas da sas sas a	a delete como monte en monte elidas im MC Device Delimb?
	VVII	_	o delete, copy, paste or move slides in MS PowerPoint?
Ops:	A.		
	В.	○ Slide Show	
	C.	○ Notes Page	
	D.	○ Slide Sorter	
Q 61.		ou type a name into the To, Cc or B ew the contents of your Address Bo	cc field and AutoComplete fails to find it. Which of the following options can be used to
Ops:	Α.	○ Ctrl + N	
	В.	○ Ctrl + O	
	C.	○ Ctrl + A	
	D.	. OCtrl + K	
Q 62.	the		d chosen to create a link that references its page number. Additionally, you want that if the reference should automatically update itself. Which of the MS Word features will
One		0.5 6	
Ops:	A.		
	В.	9	
	C.		

05. Pseudo Code 18 questions, 1 mark each

Q 63. What will be the output of the following pseudocode for a = 8?

```
    Integer fun(Integer a)
    if(a > 2)
    fun(a - 2)
    Print a
    fun(a/2)
    end if
    end function fun()
```

Ops: A. 068101214

- B. 08642
- C. 046384
- D. O None of the mentioned options

Q 64. What will be the output of the following pseudocode for a = 27?

```
    Integer fun1(Integer a)
    if((a/3) > (a-3))
    return a
    else
    return fun1(fun1(a-3))
    end if
    end function fun1()
```

Ops: A. ○12

- B. 015
- C. \bigcirc 6
- D. \bigcirc 3

```
Q 65. What will be the output of the following pseudocode for p = 22, q = 4, r = 2?

    Integer fun(Integer p, Integer q, Integer r)

        2. if(p > 1)
        3.
                       fun(p-r, q+2, r+2)
        4.
                       Print q
        5.
                  end if
        6. end function fun()
Ops: A. \bigcirc 20 18 16 14 12
     B. O None of the mentioned options
     C. 014 12 10 8 6 4
     D. 020 14 8 0
Q 66. What will be the output of the following pseudocode?
        1. Integer a, b, c
        2. Set b = 5, a = 2, c = 2
        3. if (b > a)
        4. a = a - b
        5. Else
        6. c = c + 1
        7. End if
        8. if (a - 1)
        9. b = c + 1
       10. Else
       11. c = c - 1
```

[Note: If(x) gets executed if the value inside if(), i.e., x is not zero]

End if
 if (a + 1)
 b = a - 1

15. Else

Q 67. What will be the output of the following pseudocode?

```
    Integer a, b, c
    Set b = 5, a = 2, c = 2
    if (a)
    a = a - 1
    a = c
    Else
```

[Note: If(x) gets executed if the value inside if(), i.e., x is not zero]

Ops: A. 015

B. O 10

C. 07

D. \bigcirc 5

Q 68. What will be the output of the following pseudocode?

```
    Integer a, b, c
    Set a = 12, b = 3
    c = a / b
    b = a + c
    a = a - b
    Print a
```

Ops: A. ○ 0

B. \bigcirc 9

C. \bigcirc 13

D. O-4

Q 69. What will be the output of the following pseudocode?

```
    Integer a, b, c, i
    Set a = 2, b = 4
    c = a + b
    b = c MOD a
    a = a + b
```

Ops: A. 012

B. ()3

C. 04

D. \bigcirc 5

Q 70. What will be the output of the following pseudocode?

```
    Integer a, b, c, i
    Set a = 2, b = 4
    c = a + b
    b = c << 1</li>
    for(each i from 1 to 2)
    b = b + i
```

end for

8. Print b

Ops: A. ○30

B. \bigcirc 15

C. \bigcirc 7

D. ()8

Q 71. What will be the output of the following pseudocode?

```
    Integer a, b, c
    Set a = 10, b = 1, c = 3
    a = a + 1
    if (b mod c && c mod a)
    a = a + 19
    End if
    Print a + c - b
```

[Note:- mod finds the remainder after the division of one number by another. For example, the expression "5 mod 2" would evaluate to 1 because 5 divided by 2 leaves a quotient of 2 and a remainder of 1.

&&: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise

If(x) gets executed if the value inside if(), i.e., x is not zero]

Ops: A. O None of the mentioned options

- B. \bigcirc 2
- C. \bigcirc 5
- D. 32

Q 72. Consider the following pseudocode.

```
Integer fun(Integer arr[ ], Integer len)
 2.
        Integer a
        if(len EQUALS 1)
 3.
          return arr[0]
        else
 5.
          a = fun(arr, len-1)
 7.
        end if
      if(a < arr[len-1])
 8.
 9.
         return a
       else
10.
        return arr[len-1]
11.
```

What will be the output of the given code for the following input? [Inputs: $arr[] = \{24, 20, 40, 60\}, len = 4]$

Q 73. What will be the output of the following pseudocode for n = 5 and $arr[] = \{20, 10, 30, 8, 96\}$?

```
Integer fun(Integer arr[], Integer n)
        Integer i
 2.
 3.
        if(n EQUALS 1)
         return arr[0]
 4.
 5.
        else
             i = fun(arr, n - 1)
 6.
 7.
        end if
        if(i < arr[n - 1])
 8.
            return i
9.
10.
        else
            return arr[n - 2]
11.
12.
        end if
13.
    End function fun()
```

```
Ops: A. 08
B. 020
C. 010
```

D. \bigcirc 30

Q 74. What will be the output of the following pseudocode?

```
    Integer i, j
    Set j = 2
    for (each i from 1 to 4)
    if (j < 5)</li>
    i = i + 3
    j = j + i - 3
    end if
    end for
    Print j
```

Ops: A. ○3

B. 02

C. O 0

D. O1

Q 75. What will be the output of the following pseudocode?

```
1. Integer a, b, c, i
2. Set a = 12, b = 15, c = 10
3. for(each i from 0 to 3)
4. b = b + a - i
          Print b
5.
       while (a >= 1)
6.
                c = c + b + a
7.
8.
                c = c / 2
9.
                a = a - 3
10.
          end while
11.
          Print c
12. end for
```

Ops: A. \bigcirc 27 30 26 30 24 30 21 30

B. 28 30 24 30 21 31 22 33

C. 28 31 27 30 24 30 22 30

D. 027 31 25 30 26 30 22 30

Q 76. For which of the following inputs, the following pseudocode will print "Magnificent Number"?

```
1. Integer a, b, c, i, f
```

```
 Set a = 241

 while(a NOT EQUALS ∅)

 4. c = a MOD 10
 5.
         b = b + c
    a = a / 10
 6.
 7. end while
8. for(each i from 2 to b/2)
 9.
        if(b MOD i EQUALS 0)
              Print "Normal Number"
10.
11.
              f = 1
12.
              Jump out of the loop
13.
   end if
14. end for
15. if (b EQUALS 1)
16. Print "Normal Number"
17. end if
18. if(f NOT EQUALS 0)
19. Print "Magnificent Number"
20. end if
```

Input

- 1.787
- 2. 241

Q 77. Which of the following two codes is more efficient?

Code 1

```
    Integer n1 = 8, n2 = 24, i, res
    for(each i from 1 to n1) and for(each i from 1 to n2)
    if( (n1 MOD i EQUALS 0) AND (n2 MOD i EQUALS 0)
    res = i
    end if
    end for
    Print res
```

Code 2

```
    Integer n1 = 8, n2 = 24
    while (n1 NOT EQUALS n2)
    if(n1 > n2)
    n1 = n1 - n2
```

```
    else
    n2 = n2 - n1
    end while
    Print n1
```

Ops: A. OCode 1

- B. O Both codes won't give any output
- C. O Both codes are equally efficient
- D. OCode 2
- **Q 78.** What will be the output of the following pseudocode for a = 2, b = 4?

```
    Integer funn(Integer a, Integer b)

     if(-3 > -2)
2.
3.
           a = a + b
4.
          return a
5.
      Else
6.
         b = b + a
7.
          return b
8.
    End if
9. End function funn()
```

Ops: A. 0

- B. 6
- C. 1
- D. 3

Q 79. What will be the output of the following pseudocode?

```
1. Integer a, b, c
2. Set a = 1, b = 4
   for (each c from 6 to 7)
   if(b - 4)
5.
             a = a + 1
        Else
6.
7.
             if(a + 10)
8.
                 a = 0
             End if
9.
10.
             a = a + 3
         End if
11.
12.
         a = a + 2
13. End for
14. Print b + a
```

[Note: If(x) gets executed if the value inside if(), i.e., x is not zero]

Ops: A. $\bigcirc 1$

B. \bigcirc 9

C. \bigcirc 5

D. 08

Q 80. What will be the output of the following pseudocode?

```
1. Integer f
2. set f = 5
3.
       do
            f = f - 1
4.
        print f/4 * 9
5.
6.
          continue with next iteration
7.
           print f * 17
           f = f - 1
8.
        while(f not equals 2)
9.
   end dowhile
10.
```

[Note:A do while loop is a control flow statement that executes a block of code at least once, and then repeatedly executes the block, or not, depending on a given Boolean condition at the end of the block]

Ops: A. \bigcirc 0 9 0

B. 0009

C. 038

Coding Section

01. Sum of Remainders

Problem statement

```
You are given a function, int FindSumOfRemainders(int n, int div);
```

The function takes two integers 'n' and 'div' as input. Implement the function such that it returns the sum of remainders given by numbers from 1 to 'n' (both inclusive) on being divided by 'div'.

Example:

Input:

12

Output:

18

Explanation:

The sum of remainders left by numbers from 1 to 12 on being divided by 4 is 1+2+3+0+1+2+3+0+1+2+3+0=18.

The custom input format for the above case:

12

4

(The first line represents 'n', the second line represents 'div')

Sample Input

15 5

Sample Output

30

```
The custom input format for the above case:
15
5
(The first line represents 'n', the second line represents 'div')
```

Instructions:

- $\bullet\,\,$ This is a template based question, DO NOT write the "main" function.
- Your code is judged by an automated system, do not write any additional welcome/greeting messages.
- "Save and Test" only checks for basic test cases, more rigorous cases will be used to judge your code while scoring.
- Additional score will be given for writing optimized code both in terms of memory and execution time.

Now let's start coding:

```
Language: C (Gcc 7.5) 

Read-only code below . . .

int FindSumOfRemainders(int n, int div);

int main()

{

//Input read from STDIN

int result = FindSumOfRemainders(n, div);

//Value in result printed to STDOUT

return 0;

}

Write your code below . . .

int FindSumOfRemainders(int n, int div)

int FindSumOfRemainders(int n, int div)
```

02. K - Largest Smallest Sum

Problem statement

You are given a function, $int\ FindSumOfKLargestAndSmallestElement(int*\ arr,\ int\ n,\ int\ k);$

The function accepts an integer array 'arr' of length 'n' and an integer 'k'. Implement the function to find and return the sum of k-th largest and k-th smallest element in array 'arr'.

Assumption:

- 1 <= k <= n
- n > 0.
- · Array index starts from 0.
- · All the elements in array are distinct.

Note: If a single element is both k-th largest and smallest number, then return twice of that number.

Example:

Input:

k: 2 arr: 8 2 5 7 3 1

Output:

7 is the 2nd largest and 2 is the 2nd smallest element of the array. Sum of these elements is 9. Thus, output is 9.

The custom input format for the above case:

6

825731

(The first line represents 'k', the second line represents the size of 'arr', the third line represents the elements of 'arr')

Sample Input

```
arr: 4 9 10 7 13 3 2
```

Sample Output

13 The custom input format for the above case: (The first line represents 'k', the second line represents the size of 'arr', the third line represents the elements of 'arr')

Instructions:

- This is a template based question, DO NOT write the "main" function.
- · Your code is judged by an automated system, do not write any additional welcome/greeting messages.
- "Save and Test" only checks for basic test cases, more rigorous cases will be used to judge your code while scoring.
- · Additional score will be given for writing optimized code both in terms of memory and execution time.

Now let's start coding:

```
Language: C (Gcc 7.5) ~
                                                                                                                                                    Day Mode
  > Read-only code below . . .
1 int FindSumOfKLargestAndSmallestElement(int* arr, int n, int k);
2 int main()
3 {
      //Input read from STDIN
      int result = FindSumOfKLargestAndSmallestElement(arr, n, k);
6
      //Value in result printed to STDOUT
      return 0;
```

> Write your code below . . .

```
10 int FindSumOfKLargestAndSmallestElement(int* arr, int n, int k)
11 {
       /* Write your code here. */
13 }
14
15
16
```

<u>Versant Assessment</u> Duration: <u>15 Mins</u>

1. Reading - Verbal

Α	Reading	Please read the sentences as you are instructed.
		1. Traffic is a huge problem in Southern California.
		The endless city has no coherent mass transit system.
		Sharing rides was going to be the solution to rush-hour traffic.
		4. Most people still want to drive their own cars, though.
		5. Larry's next door neighbors are awful.
		6. They play loud music all night when he's trying to sleep.
		7. If he tells them to stop, they just turn it up louder.
		8. He wants to move out of that neighborhood.
		9. My aunt recently rescued a dog that was sick.
		10. She brought her home and named her Margaret.
		11. They weren't sure she was going to live, but now she's healthy.
		12. I just wish she could get along better with their cat.
		and but the explainment approximate the explainment of the explainment

2. Repeat - Verbal

В	Repeat	Please repeat each sentence that you hear.	
		Example: a voice says, "Leave town on the next train." and you say, "Leave town on the next train."	

3. Short Questions

С	Questions	Now, please just give a simple answer to the questions.	
		Example: a voice says, "Would you get water from a bottle or a newspaper?" and you say, "a bottle" or "from a bottle".	

4. Sentence Building

	Sentence Builds	Now, please rearrange the word groups into a sentence. Example: a voice says, "was reading" "my mother" "her favorite magazine" and you say, "My mother was reading her favorite magazine."
--	--------------------	--

5. Story Retelling

	Story Retelling	You will hear three brief stories. Each story will be spoken once, followed by a beep. When you hear the beep, you will have 30 seconds to retell the story in English. Try to retell as much of the story as you can, including the situation, characters, actions, and ending. You will hear another beep at the end of the 30 seconds.
--	--------------------	---

6. Open Questions

F	Open Questions	You will hear two questions about family life or personal choices. Each question will be spoken twice, followed by a beep. When you hear the beep, you will have 40 seconds to answer the question. You will hear another beep at the end of the 40 seconds.
---	-------------------	--