

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

### SLOT - 1

1. Arrange in sequence

A – disappointed if

B – not fulfilled

C – do not be

D – or

E – promises are

F – friends let you down

**Answer: C, A, F, D, E, B**

2. Read the sentence and find out whether there is any grammatical error in it.

(A) A salesman of that (B) company tried to (C) cheated a naïve lady.

**Answer: (C)**

PASSAGE:

Sixty years ago, on the evening of August 14, 1947, a few hours before Britain's Indian Empire was formally divided into the nation-states of India and Pakistan, Lord Louis Mountbatten and his wife, Edwina, sat down in the viceregal mansion in New Delhi to watch the latest Bob Hope movie, "My Favorite Brunette." Large parts of the subcontinent were descending into chaos, as the implications of partitioning the Indian Empire along religious lines became clear to the millions of Hindus, Muslims, and Sikhs caught on the wrong side of the border. In the next few months, some twelve million people would be uprooted and as many as a million murdered. But on that night in mid-August the bloodbath—and the fuller consequences of hasty imperial retreat—still lay in the future, and the Mountbattens probably felt they had earned their evening's entertainment.

While the Mountbattens were sitting down to their Bob Hope movie, India's constituent assembly was convening in New Delhi. The moment demanded grandiloquence, and Jawaharlal Nehru, Gandhi's closest disciple and soon to be India's first Prime Minister, provided it. "Long years ago, we made a tryst with destiny," he said. "At the stroke of the midnight hour, while the world sleeps, India will awaken to life and freedom. A moment comes, which comes but rarely in history when we step out from the old to the new when an age ends, and when the soul of a nation, long suppressed, finds utterance."

Posterity has enshrined this speech, as Nehru clearly intended. But today his quaint phrase "tryst with destiny" resonates ominously, so enduring has been the political and psychological scars of partition. The souls of the two new nation-states immediately found utterance in brutal enmity. In Punjab, armed vigilante groups, organized along religious lines and incited by local politicians, murdered countless people, abducting and raping thousands of women. Soon, India and Pakistan were fighting a war—the first of three—over the disputed territory of Kashmir. Gandhi, reduced to despair by the seemingly endless cycle of retaliatory mass murders and displacement, was shot dead in January 1948, by a Hindu extremist who believed that the father of the Indian nation was too soft on Muslims. Jinnah, racked with tuberculosis and overwork, died a few months later, his dream of a secular Pakistan apparently buried with him.

4. From the passage, what can we conclude about the view of the author about Lord Mountbatten?

- a) Appreciative
- b) Sarcastic
- c) Neutral
- d) Speculative

**Answer: Sarcastic**

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5. What is the author likely to agree to as the reason for the chaos in the sub-continent in 1947?

- a) Because Gandhi was assassinated
- b) Because the British left the sub-continent in haste.
- c) Because the Hindus and Muslims could not live in peace.
- d) Because Lord Mountbatten was watching a movie on 14th August 1947.

**Answer: Because the British left the sub-continent in haste.**

6. What could possibly “grandiloquence” mean as inferred from the context in which it has been used in the passage?

- a) Grand Party
- b) Celebrations
- c) Lofty speech
- d) Destiny

**Answer: Lofty speech**

7. What is the author primarily talking about in the article?

- a) Mountbatten’s association with India.
- b) Nehru’s speech
- c) Gandhi’s assassination
- d) The aftermath of the partition.

**Answer: The aftermath of the partition.**

8. In the view of the author, What does the Nehru’s phrase “tryst with destiny” symbolise today?

- a) A celebration of Indian Independence
- b) An inspirational quote
- c) A reminder of Gandhi’s assassination
- d) A symbol of the ills of the partition

**Answer: A symbol of the ills of the partition**

9. The author persists on talking about the ” Bob Hope movie” in the article. Why?

- a) Because the movie was a classic of 1947
- b) He thinks it caused the partition of the sub-continent.
- c) He uses it to show the apathy of the Britishers towards the sub-continent
- d) It was Mountbatten’s favourite movie.

**Answer: He uses it to show the apathy of the Britishers towards the sub-continent**

10. What does the author imply about the future of Pakistan?

- a) It becomes a secular country.
- b) It becomes unsecular.
- c) It is unprosperous.
- d) It becomes a rogue state.

**Answer: It becomes unsecular.**

11. Why was Gandhi assassinated?

- a) Because he was favouring the Muslims.
- b) His assassin thought he was partial to the Muslims.

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c) He got killed in the violence after partition.

d) None of these

**Answer: His assassin thought he was partial to the Muslims.**

12. Neither Surekha \_\_\_\_\_ Ravi will be able to attend the meeting on Sunday.

**Answer: nor**

13. In the question, a part of the sentence is italicized. Alternatives of the italicized part are given which may improve the construction of the sentence. Select the correct alternative.

Kids are fascinated by all kinds of animated toys, *hence there has been increase in demand* of such products in the market recently.

**Answer: Hence there has been an increase in demand of**

14. A major step taken to reduce global warming is decreasing the use of electricity \_\_\_\_\_ replacing electric bulbs with CFL tubes.

**Answer: By**

15. Improve the sentence by selecting the correct alternative to the italicized part of the sentence.

As per the weather ***prediction***, it will rain heavily for the next one week.

**Answer: forecast**

16. But it would not be the first time when politicians tried to \_\_\_\_\_ religious symbols to win votes.

**Answer: adapt**

17. INSTIGATE (opposite)

**Answer: Prevent**

### PASSAGE:

Since the late 1970s when the technology for sex determination first came into being, sex-selective abortion has unleashed a saga of horror. Experts are calling it “sanitised barbarism”. Demographic trends indicate the country is fast heading towards a million female foetuses aborted each year.

Although foetal sex determination and sex selection is a criminal offence in India, the practice is rampant. Private clinics with ultrasound machines are doing brisk business. Everywhere, people are paying to know the sex of an unborn child. And paying more to abort the female child. The technology has even reached remote areas through mobile clinics. Dr. Puneet Bedi, obstetrician and specialist in foetal medicine, says these days he hardly sees a family with two daughters. People are getting sex determination done even for the first child, he says.

Spreading like a virus a recent media workshop on the issue of sex selection and female foeticide brought home the extent of the problem. Held in Agra in February, the workshop was organised by UNICEF, Business Community Foundation, and the Centre for Advocacy and Research. Doctors, social scientists, researchers, activists, bureaucrats, journalists told their stories of what they were doing to fight the problem.

18. Which of the following will Dr. George agree to?

a) The girl child is as safe in the mother's womb as after birth

b) The girl child is safe in the mother's womb in comparison to after birth

c) The girl child is safer after birth as compared to mother's womb

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d) None of these

**Answer: Option B**

19. What is the solution to the problem of female foeticide as envisioned by Dr. Bedi?

- a) Effective use of law
- b) Mass public outrage
- c) Comparison with Nithari killing
- d) Contempt towards doctors

**Answer: Option B**

20. What is the topic of the passage?

- a) Factual
- b) Biased
- c) Aggressive
- d) Sad

**Answer: Option A**

21. What is Akhila Sivadas's opinion on the PCPNDT act?

- a) The act is inconsistent
- b) The act needs reform
- c) The act encourages demand for foeticide
- d) The act is sound, but needs enforcement

**Answer: Option D**

22. What does the word 'sanitised' imply in the 1st para of passage?

- a) Unforgivable
- b) Legitimate
- c) Free from dirt
- d) None of these

**Answer: Option c**

23. Which two people suggest 2 similar problems

- a) Agnihotri and George
- b) Bedi and Agnihotri
- c) George and Bedi
- d) George and Sivadas

**Answer: Option d**

24. Which demand does the author refer to in para 5

- a) demand for principled doctor
- b) demand for high income jobs for women
- c) demand for youth icons
- d) demand for sex determination and abortion

**Answer: Option D**

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25. Pick the odd man out

PSRQ, MNPO, SVUT, KNML

**Answer: MNPO**

26. D and E have three children A, B and C. F is A's spouse. D is the grandfather of G. B is the mother of H. F is G's father. Who is the male child of D and E?

**Answer: Part (C)**

27. M and N have children A and B. F is spouse of B. D is child of F. P is son in law of N. K is kid of P.

Who is male child of M and N.?

**Answer: B is the male child**

28. Seeta who is the sister-in-law of Arvind, is the daughter-in-law of Sumedha. Deepak is the father of Saarthak, who is the only brother of Arvind. How is Sumedha related to Arvind?

**Answer: Mother**

29. Mayank travelled a distance of 80 m towards North. Then he turns right and travels 65 m, then again turns northwards and travels 45 m. He further travels by turning 45 degree clockwise. Towards which direction is he running now?

**Answer: North-East**

30. Problem Question: Who is the fastest among the three workers X, Y and Z?

Statements:

- I) X and Y together take 12 minutes to paint a room.
- II) X, Y and Z together can complete the work in 17 minutes.

**Answer: Both statements put together are sufficient in answering the problem question.**

31. Problem Question: Ionization energy decreases with the increasing size of metal atom. Out of Cesium, Lithium, Potassium and Sodium, which will have the lowest ionization energy?

Statements:

- I) Lithium has the smallest size.
- II) The size of Potassium and Cesium is greater than lithium

**Answer: Both statements put together are not sufficient in answering the problem question.**

32. Arrange in sequence

1. Office, 2. Cabin, 3. City, 4. Desk, 5. Building

**Answer: 42153**

33. Read the passage and select the statements that can be inferred from it.

Of all the fitness and wellness activities customary in India, Artistic yoga is the new kid in town. It has successfully earned a pat on the back from whosoever has lent an ear to the latest advancements.

Artistic yoga combines the suaveness of yoga and the frenzy of modern cardio-vascular exercises. The technique involves performance of various asanas and pranayams followed by walking on treadmill, stair climbing, cycling and so on. The activities are performed in a cyclic order and the asana or pranayam that is done in the beginning is repeated in the end. This helps an individual at the physical

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level as well as the mental and spiritual level, thus helping bring about a complete transformation of body, mind and soul.

- A. Artistic yoga helps in the overall development of those who practice it
- B. Artistic yoga has been adopted by modern people since it is in fashion these days
- C. All the activities performed at the beginning of artistic yoga are also repeated in the end
- D. Since it combines yoga and exercises, artistic yoga will replace other fitness and wellness programs

**Answer: Option C**

### 34. Read the passage and select the statements that can be inferred from it.

There are ways to spice up one's work And I am surely not asking you to be an office gossip-monger. There are predominantly three kinds of people at a work-place. Firstly, the ones who work for money alone, and wouldn't devote even an iota of their time beyond the 9-5 office timings, They are usually not happy with what they are doing, unlike the others, Secondly, there are those, for whom, work is a means of getting appreciation and rewards. They are happy N they feel their efforts are being acknowledged and rewarded. They stretch themselves to finish their work on time and are an asset to the organization. Thirdly, the ones who consider work as an end in itself. They put their heart and soul into their work and never worry about rewards. I am just asking you to try and transform yourself into one of the latter two.

**Answer: People belonging to the second and third kinds have higher job satisfactions.**

### 35. Read the passage and select the statements that can be inferred from it.

Skeptics argue that flying saucers and IJFOs that are believed to be guided by extraterrestrial beings or aliens are creations of human imagination. They have demonstrated that a number of photographs that apparently show flying saucers are either phony or are misinterpreted images of earthly or natural objects such as aeroplanes or meteors. However, there are scientists who have also contributed plenty of evidence and asserted that aliens do exist

- a)Lack of credibility of photographic evidence should be taken as proof of non existence of aliens
- b)While the existence of flying saucers and IJFOs has been denied, the possibility of alien beings is still a reality
- c)UFOs and flying saucers, if a reality, are of the same shape and size as aeroplanes
- d)The fact that a number of photographs of flying saucers are fake cannot disprove the existence of aliens and UFOs

**Answer: Option B. While the existence of flying saucers and IJFOs has been denied, the possibility of alien beings is still a reality**

### 36. The number 456\*85 is completely divisible by 3. Smallest whole digit number in place of \* can be :

**Answer: 2**

### 37. Simplify: $(144^{-3/2})^{-1/6}$

**Answer:  $2\sqrt{3}$**

### 38. The number of 5-digit odd numbers that can be made from number 12345 are:

**Answer: 72**

### 39. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take working together on two different computers to type an assignment of 110 pages?

**Answer: 8 hours 15 minutes**

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40. What is the values for X & Y in  $72X23Y$  for it to be perfectly divisible by 88?

**Answer: X = 7 & Y = 2**

41. Jagdish can build a wall in 10 days. narender can build same wall in 12 days while sumit takes 15 days to do the same the job. which two of them should be employed to finish the job in 6 days?

Answer: Jagdish and Sumit

42. If we permute 5 letters of the word 'lemon' in  $5!$  ways. in how many words vowels do not come together?

**Answer: 72**

43. A man bought 400 meters of cloth for Rs. 40,000 & sold it at a rate of Rs. 200 per one and a half meter. What was the percentage profit or loss?

Answer: 33% profit

44. If from a deck of 52 cards, 4 cards are to be selected and 1 card of it should be spade and another should be heart, in how many ways can these cards be selected?

**Answer  $13^2 * {}^{50}C_2$**

45. Both shruti and Pooja randomly choose a colour from orange and yellow. What is the probability that both choose orange?

**Answer: (2/3)**

46. Mehak was in a whimsical mood and to reach her home from her office she took the following steps -4 steps towards north ,3 steps towards east,8 steps towards south,6 steps towards west,7 steps towards north,5 steps towards east, 6 steps towards south,4 steps towards west and finally reached home taking 3 steps towards north.the location of Mehak's home with respect to her office is

**Answer: 2 steps to the west**

47. When  $2^{35}$  is divided by 5, the remainder is:

**Answer: 3**

48. A started business with Rs. 2,70,000 and was joined by B three months afterwards. how much money did b invest if the profit share of the A at the end of the year was three-fifth of the total profit?

**Answer: 2,40,000**

49. The unit digit of  $3^{34}$  is:

**Answer: 9**

50. How many liters of a 90% of concentrated acid needs to be mixed with a 75% solution of concentrated acid to get a 30 liter solution of 78% concentrated acid?

**Answer: 6 Litre**

51. Population of a village is 8,000. The number of males and female increased by 6% and 10% respectively, and consequently the population of the village becomes 8,600. What was the number of females in the village

**Answer: 5000**

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52. A, b and c are such that b is the simple interest on a and c is the simple interest on b for the same period and same rate of interest. the relation between these three is:

**Answer:  $b^2 = ac$**

53. Atul bought a machine for 4,50,000 and sold it to Irrfan at a profit. Irrfan later sold the machine to Danish at a loss of 10% for rs.4,95,000. The profit earned by atul is:

**Answer: 22.22%**

54. What is the value of (a,y) in  $(13^{-20} - a * 13^y) = 168 * 13^{-22}$ ?

**Answer: (1, -22)**

55. A shopkeeper offers buy one get one free offer on a t shirt marked at Rs. 2400. If after a sale, the shopkeeper earns a profit of 33.33% then what is the actual price of the T- shirt?

**Answer: Rs. 900**

56. A rectangle's length is 4 times its breadth it has an area of 2500 square yards what is the length of the rectangle?

**Answer: 100 Yards**

57. every year before the festive season,a shopkeeper increases the price of the product by 35% and then introduce two successive discount of 10% and 15% respectively.what is percentage loss and percentage gain?

**Answer: 3.27% gain**

58. Find the remainder when (888... repeat 63 times) is divided by 9.

**Answer: 0**

59. What will be the value of A and B:  $A8+96=1AB$ ?

**Answer: Inconsistent data**

60. A can finish a job in 12 hours, B in 14 hours. A and B work alternatively starting with A. If A earns Rs. 50 per hour how much does A earn through this job?

**Answer: Rs. 350**

61. Rahul can finish one-fifth of his homework in one hour. Neha can finish three-seventh of her homework in one hour thirty minutes and Riya can finish three fourth of her homework in three hours thirty minutes. If all of them start their homework at 12:00pm and can go to play as soon as they all finish their homework, when can they start to play, if they take a break at 3:30pm for thirty minutes?

**Answer: 5:30 pm**

62. Please discuss your views on the topic below. Please compose your response in paragraph format. Write a detailed response providing relevant facts and logical arguments. Justify your opinion with suitable examples. The length of the essay should be between 100 and 400 words.

**Culture and tradition are as important as science to the progress and well-being of society.**

Write a response that critically analyses how culture and tradition influence society amidst the effects of scientific and technological development.

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63. Please discuss your views on the topic below. Please compose your response in paragraph format. Write a detailed response providing relevant facts and logical arguments. Justify your opinion with suitable examples. The length of the essay should be between 100 and 400 words.

**The true definition of success is to have a healthy work-life balance. Happiness in either work or home is short-lived if it is not balanced by happiness in the other.**

Write a response examining the needs of personal and professional life. How do we achieve proper balance? How can you make success everlasting?



## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

### CODING

1. The e-commerce company BookShelf wishes to analyse its monthly sales data between minimum range 30 to maximum range 100. The company has categorized these book sales into four groups depending on the number of sales with the help of these groups the company will know which stock they should increase or decrease in their inventory for the next month. The groups are as follows.

Sales Range	Groups
30-50	D
51-60	C
61-80	B
81-100	A

Write an algorithm to find the group for given book sale count.

#### Input

The input consists of an integer saleCount representing the total sales of a book.

#### Output

Print a character representing the group for a given sale count.

#### Constraints

30≤SaleCount≤100

#### Example:

##### Input

57

##### Output

C

#### Explanation:

57 lies in the range 51 to 60, so the group is B.

#### Answer:

```
#include <stdio.h>
```

```
int main()
{
    int n;
    scanf("%d",&n);
    if(n>=30 && n<=50)
    {
        printf("D");
    }
    else if(n>=51 && n<=60)
    {
```

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```

printf("C");
}
else if(n>=61 && n<=80)
{
    printf("b");
}
else if(n>=81 && n<=100)
{
    printf("A");
}
return 0;
}

```

2. Jackson a math research student, is developing an application on triangles in mensuration. For the two triangle on the application display with base and height given., the user must  
Identify triangle with the largest area. Jackson now write an algorithm to find the area of the largest triangle.

To find the area of the triangle with base and height given, the following formula is used.

$$\text{Area of the triangle} = (\text{base} * \text{height})/2$$

Write and algorithm to find the area of the largest triangle.

**Input:** The first line of the input consists of two space separated positive integers - base1, height1 representing the base and height of the first triangle. The Second line consists of two space separated positive integers - base2, height2, representing the base and height of the second triangle.

**Output:** Print a real number representing the area of the largest triangle rounded up to 6 decimal places

**Constraints:**  $0 < \text{base1}, \text{height1}, \text{base2}, \text{height2} < 10^9$

**Example**

**Input:**

5 8

4 11

**Output:**

22.000000

**Explanation:** Area of the first triangle is  $20.000000$  ( $3*8)/2$ )

Area of the second triangle is  $22.000000$  ( $(4*1)/2$ )

So the output is  $22.000000$

**Answer:**

**Area of triangle**

**#include <stdio.h>**

**int main()**

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```

{
    float h1,b1,h2,b2,a1,a2;
    scanf("%f%f%f%f",&h1,&b1,&h2,&b2);
    a1 = (h1*b1)/2;
    a2 = (h2*b2)/2;
    if(a1>a2)
    {
        printf("%f",a1);
    }
    else
    {
        printf("%f",a2);
    }
    return 0;
}

```

3. A data company wishes to store its data files on the server. They .. N files. Each file has a particular size. The server stores the files in bucket list. The bucketID is calculated as the sum of the digits of its file size. The server .. the bucket ID for every file request where the file is stored.

Write an algorithm to find the bucketIDs where the files are stored.

### Input

The first line of the input consists of an integer numFiles, representing the number of files to be stored (N).

The second line consists of N space-separated integers – fileSize, fileSize<sub>1</sub>, fileSize<sub>2</sub>, fileSize<sub>N</sub>, representing the sizes of the files.

### Output

Print N space-separated integers representing the bucket IDs for each file, respectively.

### Constraints:

$0 \leq \text{numFiles} \leq 10^6$   
 $0 \leq \text{fileSize}_i \leq 10^6$   
 $0 \leq i < \text{numFiles}$

### Example

#### Input

```

4
43 345 20 987

```

#### Output

```

7 12 2 24

```

#### Explanation:

The file ID 0 is of 43. So, it is stored in bucket ID  $7(4 + 3)$   
 The file ID is of size 345. So, it is stored in bucket ID  $12(3 + 4 + 5)$   
 The bucket IDs for the remaining files are calculated similarly

### Answer:

```

#include <stdio.h>
int main()

```

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```
{  
int n,i,a,sum;  
scanf("%d",&n);  
int arr[n];  
for(i=0;i<n;i++)  
{  
    scanf("%d",&arr[i]);  
}  
for(i=0;i<n;i++)  
{  
    sum=0;  
    while(arr[i]>0)  
    {  
        a=arr[i]%10;  
        sum=sum+a;  
        arr[i]=arr[i]/10;  
    }  
    printf("%d ",sum);  
}  
return 0;  
}
```



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### SLOT - 2

1. Improve the sentence by selecting the correct alternatives to the italicized part of the sentence.

Only those who are **gullible** take every advertisement seriously.

**Answer:** naive

2. The interview panel asked her to wait \_\_\_\_\_ Friday for the final decision.

**Answer:** till

3. Identify the sentence that is grammatically correct.

- A. Some of the books lying on the table is not needed for this exam.
- B. Some of the books lying at the table is not needed for this exam.
- C. Some of the books lying at the table are not needed for this exam
- D. Some of the books lying on the table are not needed for this exam
- E. Some of the books lying over the table is not needed for this exam.

**Answer:** Option C

4. Pradeep receives an export order for garments. He has 30 machines to complete the order in 60 days. How many machines would be required to complete the job in 40 days?

**Answer:** 45

5. PENDING (Opposite)

**Answer:** Settled

6. The hotel has a good \_\_\_\_\_ service. They park the cars safely.

**Answer:** walet

7. Problem Question: Among five friends A, B, C, D and E who is tallest?

Statements:

- I) B is taller than A, but smaller than D and E.
- II) C is smaller than B.

**Answer:** Both the statements put together are not sufficient in answering the problem question.

#### PASSAGE

Fasting is an act of homage to the majesty of appetite. So I think we should arrange to give up our pleasures regularly-our food, our friends, our lovers- in order to preserve their intensity, and the moment of coming back to them. For this is the moment that renews and refreshes both oneself and the thing one loves. Sailors and travelers enjoyed this once, and so did hunters, I suppose. Part of the weariness of modern life may be that we live too much on top of each other, and are entertained and fed too regularly.

Once we were separated by hunger both from our food and families, and then we learned to value both. The men went off hunting, and the dogs went with them; the women and children waved goodbye. The cave was empty of men for days on end; nobody ate, or knew what to do. The women crouched by the fire, the wet smoke in their eyes; the children wailed; everybody was hungry. Then one night there were shouts and the barking of dogs from the hills, and the men came back loaded with meat.

This was the great reunion, and everybody gorged themselves silly, and appetite came into its own; the long-awaited meal became a feast to remember and an almost sacred celebration of life. Now we go off to the office and come home in the evenings to cheap chicken and frozen peas. Very nice, but too much of it, too easy and

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regular, served up without effort or wanting. We eat, we are lucky, our faces are shining with fat, but we don't know the pleasure of being hungry any more.

Too much of anything-too much music, entertainment, happy snacks, or time spent with one's friends- creates a kind of impotence of living by which one can no longer hear, or taste, or see, or love, or remember. Life is short and precious, and appetite is one of its guardians, and loss of appetite is a sort of death. So if we are to enjoy this short life we should respect the divinity of appetite, and keep it eager and not too much blunted.

Select the correct answer option based on the passage.

8. What is the author's main argument in the passage?

- a) The olden times, when the roles of men and women were clearly divided, were far more enjoyable than the present time
- b) There is not enough effort required anymore to obtain food and hence the pleasure derived is not the same
- c) People who don't have enough to eat enjoy life much more than those who have plentiful
- d) We should deny ourselves pleasures once in a while in order to whet our desires and feel more alive

**Answer: Option D**

9. What are the benefits of fasting?

- a) It is an act against the drawbacks of appetite
- b) It brings joy in eating, and one learns to appreciate food
- c) It is the method to understand how civilization evolved
- d) It is a punishment for the greedy and unkind

**Answer: Option B**

10. What commonality has been highlighted between the sailors and hunters?

- a) Neither were fed nor entertained regularly
- b) They renew and refresh themselves regularly
- c) They were regularly separated from their loved ones and things they liked
- d) The roles of men and women were clearly divided for both professions

**Answer: Option C**

11. 'The long-awaited meal became a feast to remember and an almost sacred celebration of life', what does this line imply?

- a) After so many days of being hungry, the cave men and women felt alive once again after eating the food
- b) People respected and were thankful for getting food after days of being hungry and also of being united with their loved ones
- c) Cave men and women ate and celebrated together with the entire community making the feast really enjoyable
- d) Cave men and women enjoyed themselves in the feast and performed a ceremony to thank the Gods for their safe return back home

**Answer: Option B**

12. Find out error:

- A)the phrase'Be the change you want
- (B)to see in the world' was
- (C)said through Mahatma Gandhi
- a)A    b)B    c)C    d)No error

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

**Answer: Option C**

13. Pick the odd man out:

ADG, HKN, PSW, MPS.

**Answer: PSW**

14. QDXM : SFYN :: UIOZ : ?

**Answer: WKPA**

15. Problem Question: Is P divisible by 12?

Statements:

- I) P is divisible by 8.
- II) P is divisible by 3.

**Answer: Both the statements together are not sufficient.**

16. Find the next number in the series.

1, 4, 18, 48 ...

**Answer: 100**

17. Choose the option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process, etc.

1. Judgement    2. Arrest    3. Police    4. Crime    5. Complaint    6. Court Hearing

**Answer: 4, 5, 3, 2, 6, 1**

18. Read the passage and select the statements that can be inferred from it.

There are ways to spice up one's work And I am surely not asking you to be an office gossip-monger. There are predominantly three kinds of people at a work-place. Firstly, the ones who work for money alone, and wouldn't devote even an iota of their time beyond the 9-5 office timings, They are usually not happy with what they are doing, unlike the others, Secondly, there are those, for whom, work is a means of getting appreciation and rewards. They are happy N they feel their efforts are being acknowledged and rewarded. They stretch themselves to finish their work on time and are an asset to the organization. Thirdly, the ones who consider work as an end in itself. They put their heart and soul into their work and never worry about rewards. I am just asking you to try and transform yourself into one of the latter two.

**Answer: People belonging to the second and third kinds have higher job satisfactions.**

19.  $(17^3 * 14^{5/2} * (17^3)^{3/2}) * (17^{10/7} * (17^5)^{3/35} * (17^6)^{1/7})^{-1} =$

**Answer: 17^{51/7}**

20. Supremo coal limited mined 8 1/3 tons of coal on Tuesday, 5 3/4 tons of coal on Monday and 9 1/2 tons of coal on Wednesday. If the coal is to mine 30 tons of coal this week then how many more tons of coal need to be mined?

**Answer: 6.41 tons**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

21. An employee has to attain 70% marks during appraisals to get a promotion. He gets 75 marks and doesn't qualify for a promotion since he falls short of 30 marks in the ratings. What is the maximum score that an employee can attain in the appraisal ratings?

**Answer: 150**

22. In how many ways can three leads be selected out of 5 males and 4 females if at least one female must be selected?

**Answer: 74**

23. A train Rajdhani starts from Suratkal at 5 am with the speed of 15kmph. Another train Shatabdi starts from the same place in same direction at 7 am with the speed of 20kmph . At what time will both the trains meet each other?

**Answer: 1:00 p.m.**

24. In an interview conducted for 5 ABC Consulting candidates, 6 Global Ltd, candidates from Avilvar company, 3 from Sona Ltd and 1 from Bent company, what is the probability that the candidate who would be selected is from Sona Ltd. It is given that one candidate from Global Ltd, had not come for the interview round and one candidate from ABC Consulting got blacklisted during the interview process.

**Answer:  $^{17}C_1 / 317$**

25. The tremors of earthquake were felt at intervals of 15 seconds. The first tremor was felt at 8:54:57 am and last tremor was felt at 10:45:12 am. How many times were the tremors felt?

**Answer: 441**

26. Sawroop draws a certain amount of money from ATM machine. Number of Rs.500 notes are double the number of Rs.100 notes. Which of the following can be possible amount drawn?

**Answer: 8800**

27. A flower seller purchases roses at Rs 96 a dozen and sells them at 10 rupees per flower. What is the profit percent of the flower seller?

**Answer: 0.25**

28. A restaurant prepares 22 litres of a mixture that contains 25% of orange essence and the remaining quantity as water. If 3 litres of water is mixed in this mixture, what will be the percentage of orange essence in the new mixture?

**Answer: 22%**

29. The product of two co-primes is 253. What is the LCM of these numbers?

**Answer: 253**

30. Three marketers distribute their products in a colony for pilot testing. Marketer A distributes 150 items to the people equally and then was left with a few items. Marketer B distributes 270 items to the people equally and then was left with the same number of items as the number left with Marketer A. Marketer C distributes 320 items to the people and is left with the same number of items as the number left with Marketer A. What is the maximum possible number of people in the colony?

**Answer: 10**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

31. Rasheb starts for a wedding venue at 6pm and drives at a speed of 60km/hr. Ramesh starts for the same venue at 6.30 pm, and drives at a speed of 75km/hr. When will both reach the venue, provided they reach at the same time?

**Answer: 8:30 pm.**

32. Please discuss your views on the topic below. Please compose your response in paragraph format. Write a detailed response providing relevant facts and logical arguments. Justify your opinion with suitable examples. The length of the essay should be between 100 and 400 words.

**In the nuclear age, the production and development of weaponry challenge the very existence of humankind. How useful are weapons?**

Do the benefits outweigh the risks? Write a response explaining the pros and cons of the arms race. Do the benefits outweigh the risks? Provide examples.

OR

**Global superpowers wish to extend their influence over the entire world. Nuclear weaponry is key to this expansion.**

Write a response explaining the pros and cons of the arms race. Do the benefits outweigh the risks? Provide examples

## CODING

1. A company wishes to modify the technique by which tasks in the processing queue are executed. There are N processes with unique IDs from 0 to N-1. Each of these tasks has its own execution time. The company wishes to implement a new algorithm for processing tasks. For this purpose they have identified a value K. By the new algorithm, the processor will first process the task that has the Kth shortest execution time.

Write an algorithm to find the Kth shortest execution time.

**Input:**

The first line of the input consists of two space-separated integers – numTasks and valueK, representing the number of tasks (N) and the value K, which is used as reference respectively.

The second line consists of N space-separated integers – executionTime<sub>1</sub>, executionTime<sub>2</sub>,..., Execution Time<sub>N</sub> representing the execution times of the tasks.

**Output:**

Print an integer representing the Kth shortest execution time.

**Constraints:**

$0 \leq \text{valueK} < \text{numTasks} \leq 10^6$

$0 \leq \text{executionTime}_i \leq 10^6$

$0 \leq i < \text{numTasks}$

**Example**

**Input:**

7 5

9 -3 8 -6 -7 18 10

**Output:**

9

**Explanation:**

The sorted list of execution times is [-7, -6, -3, 8, 9, 10, 18]

**WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)**

So, the 5<sup>th</sup> smallest execution time is 9.

**ANSWER:**

```
#include <stdio.h>
void main()
{
    int i, j, a, n, number[30];
    scanf("%d", &n);
    int key;
    scanf("%d", &key);
    for (i = 0; i < n; ++i)
        scanf("%d", &number[i]);
    for (i = 0; i < n; ++i)
    {
        for (j = i + 1; j < n; ++j)
        {
            if (number[i] > number[j])
            {
                a = number[i];
                number[i] = number[j];
                number[j] = a;
            }
        }
    }
    for (i = 0; i < n; ++i)
    {
        if(i == (key-1))
            printf("%d\n", number[i]);
    }
}
```

2. A company wishes to provide cab service for their N employees. The employees have IDs ranging from 0 to N-1. The company has calculated the total distance from an employee's residence to the company, considering the path to be followed by the cab is a straight path. The distance of the company from itself is 0. The distance for the employees who live to the left side of the company is represented with a negative sign. The distance for the employees who live to the right side of the company is represented with a positive sign. The can will be allotted a range of distance. The company wishes to find the distance for the employees who live within the particular distance range.

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

Write an algorithm to find the distance for the employees who live within the distance range.

### Input

The first line of the input consists of three space-separated integers – num, start and end representing the size of the list (N), the starting value of the range and the ending value of the range, respectively.

The second line of the input consists of N space-separated integers.

### Output

Print space-separated integers representing the distance for employees whose distance lies within the given range else return – 1.

### Example

#### Input:

```
6 30 50  
29 38 12 48 39 55
```

#### Output:

```
38 48 39
```

#### Explanation:

There are three employees with distances 38, 48 and 39 whose distance from the office lies within the given range.

### ANSWER:

```
#include<stdio.h>  
int main ()  
{  
    int n,m,a,i;  
    scanf ("%d", &a);  
    scanf ("%d %d", &n,&m);  
    int arr[a];  
    for (i = 0; i < a; i++)  
    {  
        scanf ("%d", &arr[i]);  
    }  
    for (i = 0; i < a; i++)  
    {  
        if (arr[i]>n && arr[i]<m)  
        {  
            printf("%d ",arr[i]);  
        }  
    }  
    return 0;  
}
```

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

### SLOT - 3

1. Read the sentence to find out whether there is any grammatical error in it.  
(A) Yauhan do not understand (B) the importance of money as (C) he never had to earn himself.  
**Answer: Part (A)**

2. Read the sentence to find out whether there is any grammatical error in it.  
(A) Shalini win the race (B) as she practised too (C) hard for the tournament.  
**Answer: Part (A)**

3. Read the sentence to find out whether there is any grammatical error in it.  
(A) A tie is a very important (B) part of formal dressing (C) for every men.  
**Answer: Part (C)**

4. Read the sentence to find out whether there is any grammatical error in it.  
(A) There is a lots (B) of milk left in the jar (C) for the rest of us (D) no error  
**Answer: Part (A)**

5. Months have passed and no action \_\_\_\_\_ been taken for a dowry harassment case filed against the inlaws.  
**Answer: has**

6. Dravid played a brilliant series for \_\_\_\_\_ he was given man of the series award.  
**Answer: which**

7. Reema was very good \_\_\_\_\_ sketching in college.  
**Answer: at**

8. Read the sentence to find out whether there is any grammatical error in it.  
(A) The richness at our thoughts, memories and personalities hinges/ (B) on our capability/ (C) to focus the mind and sustain concentration.

**Answer: Part (A)**

9. Read the sentence to find out whether there is any grammatical error in it.  
(A) Those who do not understand (B) the meaning of loyalty does not achieve (C) love of their close ones.  
**Answer: Part (C)**

10. In the question, a part of the sentence is italicized. Alternatives to the italicized part are given which may improve the construction of the sentence. Select the correct alternative.  
Stand up comedians have gained immense ***popularity in the last decades.***

**Answer: In the last decade**

11. Jack Colins threw light on the importance of adequate rest \_\_\_\_\_ a proper rehabilitation process for athletes saying “the body gets fitter during the rest period after exercises and not during it”.

**Answer: but**

12. Friends \_\_\_\_\_ the much needed support when you are in trouble.  
**Answer: Provide**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

13. ABSORPTION (Synonym)

**Answer:** Suction

14. Improve the sentence by selecting the correct alternative to the italicized part of the sentence.

Surprisingly, Manipur recovered **scanty** rainfall this year.

**Answer:** little

15. PRIMAL (Synonym)

**Answer:** Cardinal

16. PREAMBLE (Synonym)

**Answer:** Introduction

17. Select the option that is most nearly OPPOSITE in meaning to the word or phrase given in bold.

Birds are **quarantined** to prevent the spread of bird flu.

**Answer:** immunized

18. TIMOROUS (OPPOSITE)

**Answer:** Meek

19. MITIGATE (OPPOSITE)

**Answer:** Aggravate

### PASSAGE:

The economic transformation of India is one of the great business stories of our time. As stifling government regulations have been lifted, entrepreneurship has flourished, and the country has become a high-powered center for information technology and pharmaceuticals. Indian companies like Infosys and Wipro are powerful global players, while Western firms like G.E. and I.B.M. now have major research facilities in India employing thousands. India's seemingly endless flow of young, motivated engineers, scientists, and managers offering developed-world skills at developing-world wages is held to be putting American jobs at risk, and the country is frequently heralded as "the next economic superpower."

But India has run into a surprising hitch on its way to superpower status: its inexhaustible supply of workers is becoming exhausted. Although India has one of the youngest workforces on the planet, the head of Infosys said recently that there was an "acute shortage of skilled manpower," and a study by Hewitt Associates projects that this year salaries for skilled workers will rise fourteen and a half per cent, a sure sign that demand for skilled labor is outstripping supply.

How is this possible in a country that every year produces two and a half million college graduates and four hundred thousand engineers? Start with the fact that just ten per cent of Indians get any kind of post-secondary education, compared with some fifty per cent who do in the U.S. Moreover, of that ten per cent, the vast majority go to one of India's seventeen thousand colleges, many of which are closer to community colleges than to four-year institutions. India does have more than three hundred universities, but a recent survey by the London Times Higher Education Supplement put only two of them among the top hundred in the world. Many Indian graduates therefore

## **WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)**

enter the workforce with a low level of skills. A current study led by Vivek Wadhwa, of Duke University, has found that if you define “engineer” by U.S. standards, India produces just a hundred and seventy thousand engineers a year, not four hundred thousand. Infosys says that, of 1.3 million applicants for jobs last year, it found only two per cent acceptable.

There was a time when many economists believed that post-secondary education didn’t have much impact on economic growth. The really important educational gains, they thought, came from giving rudimentary skills to large numbers of people (which India still needs to do—at least thirty per cent of the population is illiterate). They believed that, in economic terms, society got a very low rate of return on its investment in higher education. But lately that assumption has been overturned, and the social rate of return on investment in university education in India has been calculated at an impressive nine or ten per cent. In other words, every dollar India puts into higher education creates value for the economy as a whole. Yet India spends roughly three and a half per cent of its G.D.P. on education, significantly below the percentage spent by the U.S., even though India’s population is much younger, and spending on education should be proportionately higher.

The irony of the current situation is that India was once considered to be overeducated. In the seventies, as its economy languished, it seemed to be a country with too many engineers and Ph.D.s working as clerks in government offices. Once the Indian business climate loosened up, though, that meant companies could tap a backlog of hundreds of thousands of eager, skilled workers at their disposal. Unfortunately, the educational system did not adjust to the new realities. Between 1985 and 1997, the number of teachers in India actually fell, while the percentage of students enrolled in high school or college rose more slowly than it did in the rest of the world. Even as the need for skilled workers was increasing, India was devoting relatively fewer resources to producing them.

Since the Second World War, the countries that have made successful leaps from developing to developed status have all poured money, public and private, into education. South Korea now spends a higher percentage of its national income on education than nearly any other country in the world. Taiwan had a system of universal primary education before its phase of hypergrowth began. And, more recently, Ireland’s economic boom was spurred, in part, by an opening up and expansion of primary and secondary schools and increased funding for universities. Education will be all the more important for India’s well-being; the earlier generation of so-called Asian Tigers depended heavily on manufacturing, but India’s focus on services and technology will require a more skilled and educated workforce.

India has taken tentative steps to remedy its skills famine—the current government has made noises about doubling spending on education, and a host of new colleges and universities have sprung up since the mid-nineties. But India’s impressive economic performance has made the problem seem less urgent than it actually is, and allowed the government to defer difficult choices. (In a country where more than three hundred million people live on a dollar a day, producing college graduates can seem like a low priority.) Ultimately, the Indian government has to pull off a very tough trick, making serious changes at a time when things seem to be going very well. It needs, in other words, a clear sense of everything that can still go wrong. The paradox of the Indian economy today is that the more certain its glowing future seems to be, the less likely that future becomes

20. Which of these could you infer according to the passage?

- a) Wages in the Developing countries are less as compared to wages in the developed countries
- b) Wages in the Developing countries are more as compared to wages in the developed countries
- c) Wages in the Developing countries are same as wages in the developed countries
- d) None of these

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

**Answer: Option a**

21. What does “American jobs” in the last line of the first paragraph of the passage imply?

- a) Jobs provided by American companies
- b) Jobs held (or to be held) by American people
- c) Jobs open to only American citizens
- d) Jobs provided by the American government

**Answer: Option b**

22. According to the passage, why India does not have enough skilled labour?

- a) The total amount of young population is low
- b) The total number of colleges are insufficient
- c) Students do not want to study
- d) Maximum universities and colleges do not match global standards.

**Answer: Option d**

23. What can you infer as the meaning of ‘stifling’ from the passage?

- a) Democratic
- b) Liberal
- c) Impeding
- d) Undemocratic

**Answer: Option c**

24. What is an appropriate title to the passage?

- a) Growing Indian Economy
- b) Higher education in India
- c) India’s Skill Shortage
- d) Entrepreneurship in India

**Answer: Option c**

25. In the third sentence of the third paragraph of the passage, the phrase “closer to community colleges ” is used.

What does it imply?

- a) Near to community colleges
- b) Like community colleges
- c) Close association with community colleges
- d) None of these

**Answer: Option b**

26. According to the passage, what is the paradox of the Indian economy today?

- a) The economic progress is impressive, but the poor (earning one dollar per day) are not benefited.
- b) The economic progress is impressive disallowing the government to take tough decisions.
- c) There is not enough skilled workforce and the government does not realize this.
- d) Government is not ready to invest in setting up new universities.

**Answer: Option b**

27. Why are salaries for skilled workers rising?

- a) Companies are paying hire to lure skilled people to jobs.
- b) American companies are ready to pay higher to skilled workers.

**WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)**

- c) Entrepreneurship is growing in India.
- d) There is not enough skilled workers, while the demand for them is high.

**Answer: Option d**

**PASSAGE**

My phone rings again. It is futile to ignore it anymore. Maneesha is persistent. She will continue to bedevil me until I acquiesce. "Hello", I answer.

"The circus, Atika?" she says in her sing-song voice. "When are we going? Only two more days left!" I abhor the Circus. The boisterous crowds, the overwhelming smell of animal feces, the insanely long lines with wailing children and the impossibility of finding a clean restroom all combine to make this an event that I dread. For Maneesha, my best friend since the angst of middle school, the Circus is a sign

that divine powers really do exist.

"Really, Atika, where else can you pet an elephant, see a stuntman ride a horse, laugh till you are ready to cry, see the world's smallest person and eat fried potatoes The fried food at the Circus is a gastronomical nightmare on its own. I once tried a fried Cottage Cheese stick at the fair and was sick to my stomach for hours. And a fried burger with oil soaked potato patty, cheese, multicolored sauces AND a greasy slice of cottage cheese? How could that not be deleterious to your health?

I have not seen Maneesha for a good month; our schedules are both so hectic. My hatred of the Circus becomes inconsequential to my desire to hang with Mani.

Alas, I ignore my anti-Circus bias for the umpteenth year. "Pick me up at noon", I say and hang up the phone.

28. What does it mean to acquiesce?

- a)To give in b)To speak kindly
- c)To pay attention d)To answer the phone

**Ans:(A)**

29. What does the term gastronomical suggest?

- a)Enormous b)Health risk
- c)Culinary issue d)Resulting in gas

**Ans:(C)**

30. Why might the author have chosen to capitalize all the letters in the word "and" when writing about the burger she ate?

- a)To make sure the reader understood it was a list
- b)To show that a greasy slice of cottage cheese was the last ingredient
- c)To highlight her dislike of greasy slice of cottage cheese
- d)To emphasize how many ingredients were in the burge

**Ans:(C)**

31. How does Maneesha seem to feel about the circus?

- a)Ambivalent b)Condescending c)Jubilant d)Nonchalant

**Ans:(B)**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

### PASSAGE:

The Indian government's intention of introducing caste based quotas for the ? Other Backward Classes in centrally funded institutions of higher learning and the prime minister's suggestion to the private sector to ?voluntarily go in for reservation, has once again sparked off a debate on the merits and demerits of caste-based reservations. Unfortunately, the predictable divide between the votaries of ?social justice on one hand and those advocating ?merit on the other seems to have once again camouflaged the real issues. It is necessary to take a holistic and non-partisan view of the issues involved. The hue and cry about ?sacrificing merit is untenable simply because merit is after all a social construct and it cannot be determined objectively in a historically unjust and unequal context. The idea of competitive merit will be worthy of serious attention only in a broadly egalitarian context. But then, caste is not the only obstacle in the way of an egalitarian order. After all, economic conditions, educational opportunities and discrimination on the basis of gender also contribute to the denial of opportunity to express one's true merit and worth. It is interesting to note that in the ongoing debate, one side refuses to see the socially constructed nature of the notion of merit, while the other side refuses to recognise the multiplicity of the mechanisms of exclusion with equal vehemence. The idea of caste-based reservations is justified by the logic of social justice. This implies the conscious attempt to restructure a given social order in such a way that individuals belonging to the traditionally and structurally marginalised social groups get adequate opportunities to actualise their potential and realise their due share in the resources available. In any society, particularly in one as diverse and complex as the Indian society, this is going to be a gigantic exercise and must not be reduced to just one aspect of state policy. Seen in this light, caste-based reservation has to work in tandem with other policies ensuring the elimination of the structures of social marginalization and denial of access. It has to be seen as a means of achieving social justice and not an end in itself. By the same logic it must be assessed and audited from time to time like any other social policy and economic strategy.

32. What is the phrase 'Sacrificing merit' referring to?

- A. Killing merit.
- B. Selection on basis of merit.
- C. Encouraging reservation
- D. None of these

**Answer: Option C**

33. What do you mean by the word 'Egalitarian'?

- A. Characterized by belief in the equality of all people.
- B. Characterized by belief in the inequality of all people.
- C. Another word for reservations.
- D. Growth

**Answer: Option A**

34. What does the statement- and not to convert it into a fetish of â€˜political correctnessâ€™ in the passage imply?

- A. Reservation issue should not be converted into a political propaganda.
- B. Reservation issue should not be based on caste alone.
- C. Reservation issue should be left to the ruling government.
- D. None of these.

**Answer: Option A**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

35. What is the author most likely to agree with?

- A. Caste-based reservation is the answer to India's problems.
- B. Gender-based reservation is the answer to India's problems.
- C. There is no solution to bridge the gap between privileged and under-privileged.
- D. None of these.

**Answer: Option D**

36. What do you mean by the word 'Votaries'?

- A. Advocates
- B. Types
- C. Demerits
- D. People

**Answer: Option A**

37. What do you infer from the sentence 'The idea of caste-based reservations is justified by the logic of social justice'?

- A. Caste-based reservation will help in providing opportunities to the socially backward classes.
- B. Caste-based reservation will lead to social equality amongst all classes.
- C. Caste-based reservation will help backward classes actualise their potential.
- D. All of these

**Answer: Option D**

### PASSAGE:

The impressive recent growth of certain sectors of the Indian economy is a necessary but insufficient condition for the elimination of extreme poverty.

In order to ensure that the poorest benefit from this growth, and also contribute to it, the expansion and improvement of the microfinance sector should be a national priority. Studies suggest that the impact of microfinance on the poorest is greater than on the poor, and yet another that non-participating members of communities where microfinance operates experience socio-economic gains — suggesting strong spillover effects. Moreover, well-managed microfinance institutions (MFIs) have shown a capacity to wean themselves off of subsidies and become sustainable within a few years.

Microfinance is powerful, but it is clearly no panacea. Microfinance does not directly address some structural problems facing Indian society and the economy, and it is not yet as efficient as it will be when economies of scale are realised and a more supportive policy environment is created.

Loan products are still too inflexible, and savings and insurance services that the poor also need are not widely available due to regulatory barriers

Still, microfinance is one of the few market-based, scaleable anti-poverty solutions that is in place in India today, and the argument to scale it up to meet the overwhelming need is compelling. According to Sa-Dhan, the overall outreach is 6.5 million families and the sector-wide loan portfolio is Rs 2,500 crore.

However, this is meeting only 10% of the estimated demand. Importantly, new initiatives are expanding this success story to some of the country's poorest regions, such as eastern and central Uttar Pradesh.

## **WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)**

The local and national governments have an important role to play in ensuring the growth and improvement of microfinance. First and foremost, the market should be left to set interest rates, not the state. Ensuring transparency and full disclosure of rates including fees is something the government should ensure, and something that new technologies as well as reporting and data standards are already enabling.

Furthermore, government regulators should set clear criteria for allowing MFIs to mobilise savings for on-lending to the poor; this would allow for a large measure of financial independence amongst well-managed MFIs. Each Indian state could consider forming a multi-party working group to meet with microfinance leaders and have a dialogue with them about how the policy environment could be made more supportive and to clear up misperceptions.

There is an opportunity to make a real dent in hard-core poverty through microfinance. By unleashing the entrepreneurial talent of the poor, we will slowly but surely transform India in ways we can only begin to imagine today.

38. Which of following is not a challenge faced by microfinance in India?

- a. does not help the poorest
- b. efficient when economy of scale is achieved
- c. non\_conducting policy environment
- d. structural problems of india society

**Answer: Option a**

39. Which of the following is correct with regard to microfinance?

- a. the supply is more than demand
- b. the demand is more than supply
- c. the supply and demand are well balanced
- d. none of these can be inferred from the passage

**Answer: Option b**

40. which of the following will the author agree to?

- a. indian economy growth will solve the problem of poverty.
- b. indian economy growth is not enough to solve the problem of poverty
- c. indian economy growth aggravates the problem of poverty
- d. none of these

**Answer: Option b**

41. what is the author view about interest rate?

- a. the government should set them
- b. there should be transparency with regard to them
- c. the market forces should set them
- d. both a and b
- e. both b and c

**Answer: Option e**

42. 10, 7, 12, 10, 14, ....

**Answer: 13**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

43. Choose the odd man out

TRIANGLE, SQUARE, PENTAGON, CIRCLE

**Answer: CIRCLE**

44. Pick the odd man out

ACFJ, CEHL, PRUY, SUXZ

**Answer: SUXZ**

45. Building : Brick :: Flower : ?

**Answer: Petals**

46. If DELHI is coded as 34178, what is the code for MUMBAI?

**Answer: 202108**

47. A lady is facing South-East. She turns 180° in the clockwise direction, then 360° in the anticlockwise direction and then another 270° in the clockwise direction. Which direction is she facing now?

**Answer: South-West**

48. A boy is facing North-West. He turns 85degree in the anticlockwise direction and then 50degree in the same direction. Which direction is he facing now?

**Answer: South**

49. Pick the odd man out:

LABLOTOF, ONSEL, CEKTRIC, SNIET

**Answer: ONSEL**

50. 6, 9, ... 24, 36

**Answer: 15**

51. Rahul is facing south. He walks straight for 15 meters and turns left and walks 25 meters, then turns left again and walks 15 meters, finally he turns left and walks 40 meters. How far and in which direction is he standing from the starting point?

**Answer: 15 M West**

52. Problem Question: Soha ranks fifth in the class. How many students are there in the class?

Statements:

- I. One of her friends got the 40th rank which is the second last rank in the class.
- II. Her rank from the middle is 17.

**Answer: Statement I alone is sufficient**

53. Pick the odd man out

HAIR, LIAR, FAIR, PAIR

**Answer: LIAR**

54. Problem Question: A more reactive metal can displace a less reactive metal from its salt solution. Which of the following is the most reactive?

Statements:

**WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)**

- I. A can displace neither B nor C.
- II. C can displace A.

**Answer: Both the statement even put together are not sufficient.**

55. Arrange in sequence

- 1. Dress, 2. Yarn, 3. Cotton, 4. Stitching, 5. Plant

**Answer: 53241**

56. **Read the passage carefully and select the select the statement that can be inferred from it.**

The world production of sugar has been reported to be very scarce as compared to the global scales of four years. The demand for sugar is extremely high but the supply has been low for quite some time now. This could be because some chief sugar growers have switched to high priced jute. The price of sugar has soared in response to the phenomena of the demand supply disparity. The price of sugar now equals that of jute.

- A. Sugar production is profitable only when the price of sugar is as high as that, that of jute
- B. The sugar growers who had shifted to the higher price jute, will now move to producing sugar
- C. Demand for jute was higher than the demand for sugar, which made sugar growers shift their production
- D. If there continues to be a shortfall in the production of sugar, the price of sugar may even exceed that of jute

**Answer: Option D**

57. **Read the passage carefully and select the select the statement that can be inferred from it.**

Excessive amounts of mercury in drinking water, associated with certain types of industrial pollution have been shown to cause Hobsons disease Island L has an economy based entirely on subsistence level agriculture, modern industry of any kind is unknown The inhabitants of Island I have unusually high incidence of Hobsons disease

- A. Mercury in drinking water is actually perfectly safe
- B. Mercury in drinking water must have sources other than industrial pollution
- C. Hobsons disease must have causes other than mercury in drinking water
- D. Both options (1) and (2)
- E. Both options (3) and (2)

**Answer: Option E**

58. Abu company provides taxi for call center employees. The company has 7 Taveras, 5 Qualis, 6 Innovas and few small cars. If Tavera makes one fourth of the total fleet, how many small cars are there in the company?

**Answer: 10**

59. What is the sum of two consecutive numbers, the difference of whose squares is 19?

**Answer: 19**

60. The number of 6-digit numbers that can be formed from 0, 1, 5, 6, 7 and 8 in which the first digit is not 0 are:

**Answer: 600**

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

### CODING

1. In a science research lab, the combination of two nuclear substances produces an initial energy A. This energy A changes at a consistent rate R every second. The energy gets multiplied by a constant value R every second. The scientist wishes to calculate the energy produced at every second if the reaction is allowed to happen for N seconds.

Write an algorithm to find the energy produced at every second if the reaction is allowed to happen for N seconds.

#### Input

The input consists of three space-separated integers – initialEnergy, rate and time, representing the initial energy produced on combining the nuclear substances (A), the consistent rate of change  $\circ$ , and the seconds for which the reaction is allowed to happen (N), respectively.

#### Output

Print N space-separated integers representing the energy produced at every second if the reaction is allowed to happen for N seconds.

#### Constraints

$-10^6 \leq \text{InitialEnergy}$   $\text{rate} \leq 10^6$

$0 \leq \text{time} \leq 100$

#### Example

##### Input

5 3 3

##### Output

5 15 45

##### Explanation

For N = 1, an energy of 5 is generated.

For N = 2, a consistent rate of 3 is multiplied to it. So, it becomes 15.

For N = 3, again 3 is multiplied to the previous energy value so it becomes 45.

So, the output is 5, 15, 45.

#### Answer:

```
#include<stdio.h>
int main()
{
    int energy,rate,t,sum=0;
    scanf("%d%d%d",&energy,&rate,&t);
    for(int i=0;i<t;i++)
    {
        sum=sum+energy;
        energy=energy+rate;
    }
    printf("%d",sum);
}
```

2. The cloud computing company cloudO can accommodate various requirements for resources. The company system runs two servers. For load balancing purposes, the load of the resources gets transferred to the servers one by one. Initially, the first request goes to server 1, the next request goes to server 2, and so on. The requests served by the servers are of two types i.e., one for memory allocation (denoted by a positive number) and the other for memory deallocation (denoted by a negative number).

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

Write an algorithm to find the total number of units of memory allocated/deallocated by the server 1 after processing all the requests.

### Input

The first line of the input consists of an integer numOfReq, representing the number of requests (N).

The second line consists of N space-separated integers – req<sub>1</sub>, req<sub>2</sub> ... req<sub>N</sub> representing the requests for the allocation/deallocation of the respective memory units.

### Output

Return an integer representing the total number of units of memory allocated/deallocated by the server 1 after processing all the requests.

### Constraints

$0 \leq \text{numOfReq} \leq 10^5$

$-106 < \text{req} < 106$

$0 \leq i \leq \text{numOfReq}$

### Example

#### Input

7

2 -3 8 -6 -7 18 1

#### Output

4

#### Explanation

The requests served by server are

### Test Case 1:

#### Input:

5

14 53 2 23 1

#### Expected Output

17

### Test Case 2:

#### Input

6

54 2 32 56 88 12

#### Expected Output

174

### Answer:

```
#include<stdio.h>
int main()
{
    int n,i,sum=0;
    scanf("%d",&n);
    int arr[n];
    for(i=0;i<n;i++)
    {
        scanf("%d",&arr[i]);
    }
    for(i=0;i<n;i++)
    {
```

## WIPRO NLTH Slot – 1, 2 & 3 (19-10-2019)

```

if(i%2==0)
{
    sum=sum+arr[i];
}
printf("%d",sum);
return 0;
}

```

3. In a science research lab, the combination of two nuclear chemicals produces initial energy as X. This energy X changes at a consistent rate R every second. The scientist wishes to calculate the total energy produced if the reaction is allowed to occur for N seconds

Write an algorithm to find the total energy produced.

**Input**

The input consists of three space-separated integers – initialEnergy(X), rate and time representing the initial energy produced upon combining the nuclear chemicals, the consistent rate of change, and the Nth second for which the scientist wishes to calculate the total energy produced respectively.

**Output**

Print an integer representing the total energy produced by the Nth second.

**Example**

**Input**

5 3 3

**Output**

24

**Explanation:**

For N=1 an initial energy of 5 is generated.

For N=2 a consistent rate of 3 is added, so it becomes 8.

For N=3, again 3 is added to previous energy value, so it becomes 11

The total energy produced after 3 seconds is 24 (5 + 8 + 11)

**Answer:**

```

#include<stdio.h>
int main()
{
    int a,b,c,i,mul;
    scanf("%d %d %d",&a,&b,&c);
    printf("%d ",a);
    for(i=1;i<c;i++)
    {
        mul=a*b;
        printf("%d ",mul);
        a=mul;
    }
    return 0;
}

```