Eronkan Aptitude Test

Aptitude test contains 30 questions.
Test duration for aptitude test is 60 min.
Adjust Your WebCam in such a way that Your hands and face both are visible.
Once the test start avoid using Your computer/mobile except to scroll down the question paper.

* Required

Email *

jasirali407@gmail.com

Enter Your Name

Jasir CA

Enter Contact No.

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Position applied for

- (●) Associate Software Developer
- ( ) Associate IoT Engineer(Automation)

Clear selection

Q. 1 The lengths of two sides of a triangle are 5 and 7. Which of the following could be the perimeter of the triangle? (Multiple correct answers)

- [ ] A. 14
- [ ] B. 17
- [ ] C. 19
- [ ] D. 22
- [ ] E. 24
- [ ] F. 27

Q.2 A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in:

- ( ) A. 9 1/5
- ( ) B. 9 2/5
- ( ) C. 9 3/5
- ( ) 10

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Q3. FAG, GAF, HAI, IAH, ____

- A. JAK
- B. HAL
- C. HAK
- D. JAI

Q4. Running at the same constant rate, 6 identical machines can produce a total of 270 bottles per minute. At this rate, how many bottles could 10 such machines produce in 4 minutes?

- A. 648
- B. 1800
- C. 2700
- D. 10800

Q5. A fort had provision of food for 150 men for 45 days. After 10 days, 25 men left the fort. The number of days for which the remaining food will last, is:

- 29 1/5
- 37 1/4
- 42
- 54

Q 6. Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the three pipes are opened together, then the tank will be filled in:

- A. 1 13/17
- B. 2 8/11
- C. 3 9/17
- D. 4 1/2

Q 7. Twice the speed of a boat downstream is equal to thrice the speed upstream. The ratio of its speed in still water to the speed of current is

- A 1:5
- B 1: 3
- C 5:1
- D 2:3

Q 8. There are two examinations rooms A and B. If 10 students are sent from A to B, then the number of students in each room is the same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is:

- 20
- 80
- 100
- 200

Q 9. 2, 12, 36, 80, 150, ?

- A 250
- B 252
- C 200
- D 270

Q 10. A man spends 1/4th of his income on food, 2/3rd of it on house rent and the remaining income which is Rs. 630 on other commodities. Find his house rent.

- A 5040
- B 3520
- C 4890
- D 4458

Refer below data for question no. 11 to 14

The Dean's office recently scanned student results into the central computer system. When their character reading software cannot read something, it leaves that space blank. The scanner output reads as follows:

Name	Finance	Marketing	Statistics	Strategy	Operations	GPA
Aparna		B	F			1.4
Bikas	D	D	F	F		
Chandra		D	A	F	F	2.4
Deepak	A	B		D	D	3.2
Fazal	D	F	B		D	2.4
Gowri	C	C	A		B	3.8
Hari		B	A		D	2.8
Ismet			B		A	
Jagdeep	A	A	B		C	3.8
Kunal	F		A	F	F	1.8
Leena	B	A		B	F	3.2
Manab			A	B	B	
Nisha	A	D	B	A	F	3.6
Osman	C		B	B	A	4.6
Preeti	F	D		D		3.2
Rahul	A	C	A		F	4.2
Sameer		C	F	B		
Tara	B					2.4
Urkarsh			F	C	A	3.0
Vipul	A		C	C	F	2.4

In the grading system, A, B, C, D, and F grades fetch 6, 4,3,2, and 0 grade pointsrespectively. The Grade Point Average (GPA) is the arithmetic mean of the grade pointsobtained in the five subjects. For example Nisha's GPA is (6 + 2 + 4 + 6 + 0) /5 = 3.6.Some additional facts are also known about the students' grades. These are:

a. Vipul obtained the same grade in Marketing as Aparna obtained in Finance and Strategy.

b. Fazal obtained the same grade in Strategy as Utkarsh did in Marketing.

c. Tara received the same grade in exactly three courses.

Q 11. What grade did Preeti obtain in Statistics?

- A
- B
- C
- D

Q 12.In operations Tara could have received same grade as

- A. Ismet
- B. Hari
- C. Jagdeep
- D. Manab

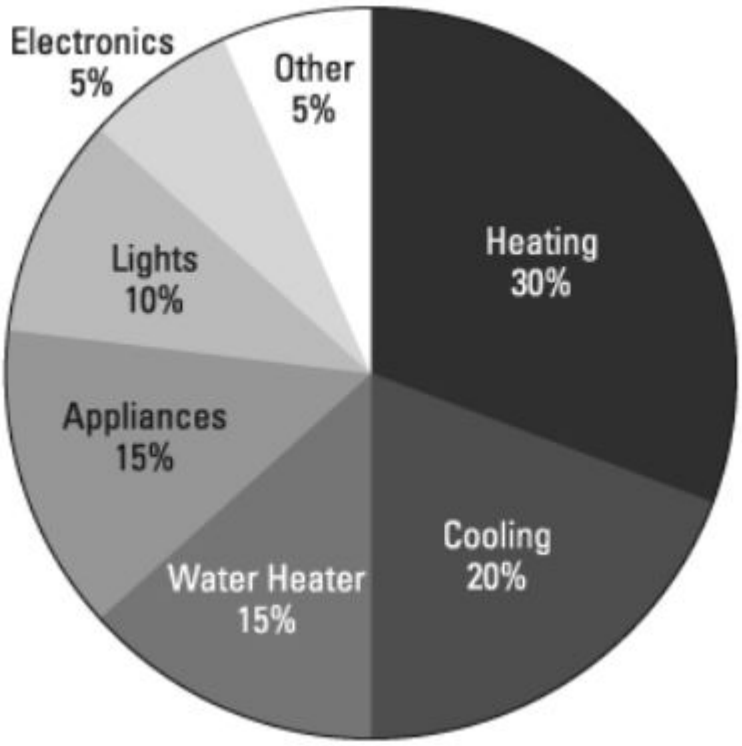
Q13 What grade did Utkarsh obtain in finance?

- A. B
- B. C
- C. D
- D. F

Q14 In Strategy, Gowri' s grade point was higher than that obtained by

- A. Fazal
- B. Hari
- C. Nisha
- D. Rahul

Refer below data for question no. 15 to 16



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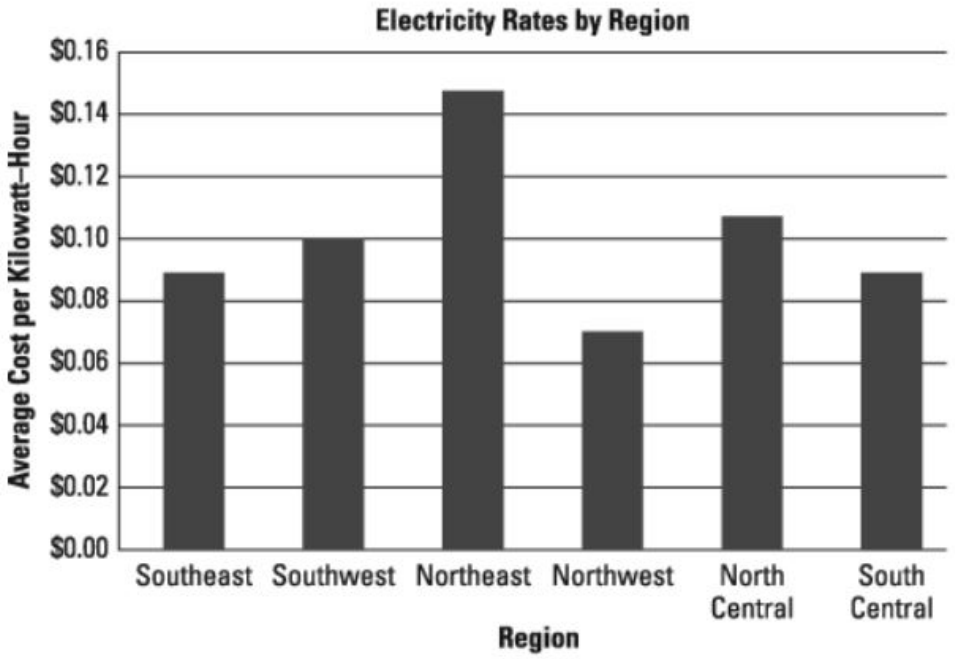

Q 15. Assuming the average household uses 15 kilowatt-hours (kWh) of electricity per day to heat its home, approximately how much would the average household pay for electricity per year if located in the northeast region?

- A. 1500
- B. 1800
- C. 2200
- D. 2700
- E. 3200

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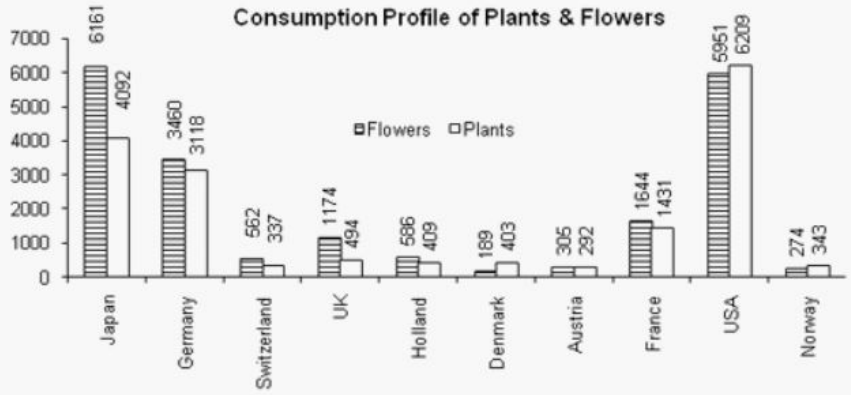
Q 16.The Joneses live in the north central region. After paying a whopping $4,500 on electricity last year, they installed a new geothermal furnace and extra insulation at a cost of $8,000 total, which cut their heating bill by 35%. At this rate, about how many years will it take them to recoup their investment?

- A. 16
- B. 12
- C. 8
- D. 6
- E. 3

Refer data given below for questions 17 to 19

First chart gives the consumption of flowers and plants in US Dollar millions.



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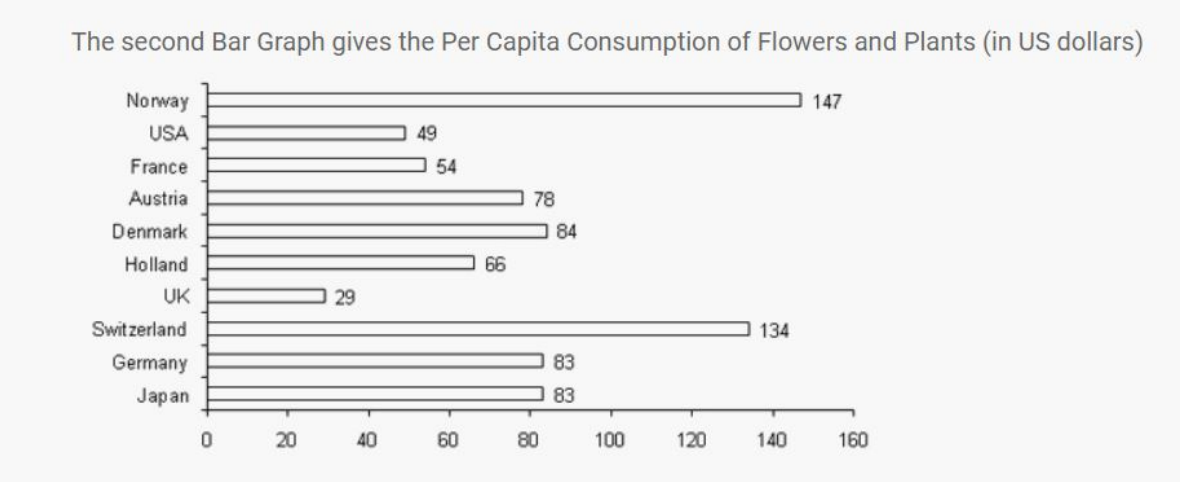

Q 17.What is the approx. total consumption of plants ($ million)?

- A. 20000
- B. 18000
- C. 17000
- D. 15000

Q 18.What could be the approximate population of Japan?

- A. 125M
- B. 200M
- C. 300M
- D. 250M

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Q 19.By what percent is the total flower consumption more or less than total plant consumption?

- A. 28% More
- B. 28% Less
- C. 18% More
- D. 18% Less

Independent Questions

Q 20.The difference between the simple interest and compound interest on a certain sum of money for 2 years at 15% p. a. is Rs. 45. Find the sum.

- A Rs. 2700
- B Rs. 2500
- C Rs. 2000
- D None

Q21 Three persons work independently on a problem. If the respective probabilities that they will solve it are 1/3, 1/4 and 1/5, then the probability that none can solve it is

- A. 1/5
- B. 1/3
- C. 2/5
- D. None of these

Q 22. C – 3, E – 5, G – 7, I – 9, ?, ?

- A K-11, M-13
- B O-15, X-24
- C M-18,K-14
- D X-24,M-21

Q 23. 5, 16, 51, 158, ?

- A 483
- B 481
- C 1454
- D 1452

Q 24. Find the correct group of signs to solve the equation. 24 * 16 * 8 * 32

- A -+=
- B X/=
- C +-=
- D /-=

Directions for questions 25 to 27: Refer to the following information regarding data interpretation questions and answer them accordingly

A factory employs three machines M1, M2 and M3 to manufacture three products X, Y and Z. Each machine runs for 12 hours a day. The following table gives the time taken (in minutes) by each machine to manufacture 1 unit of each of the produc

	M1	M2	M3
X	12	15	16
Y	18	9	15
Z	10	18	12

Q 25. What is the maximum number of products that can be manufactured in a day?

- A 125
- B 155
- C 200
- D 212

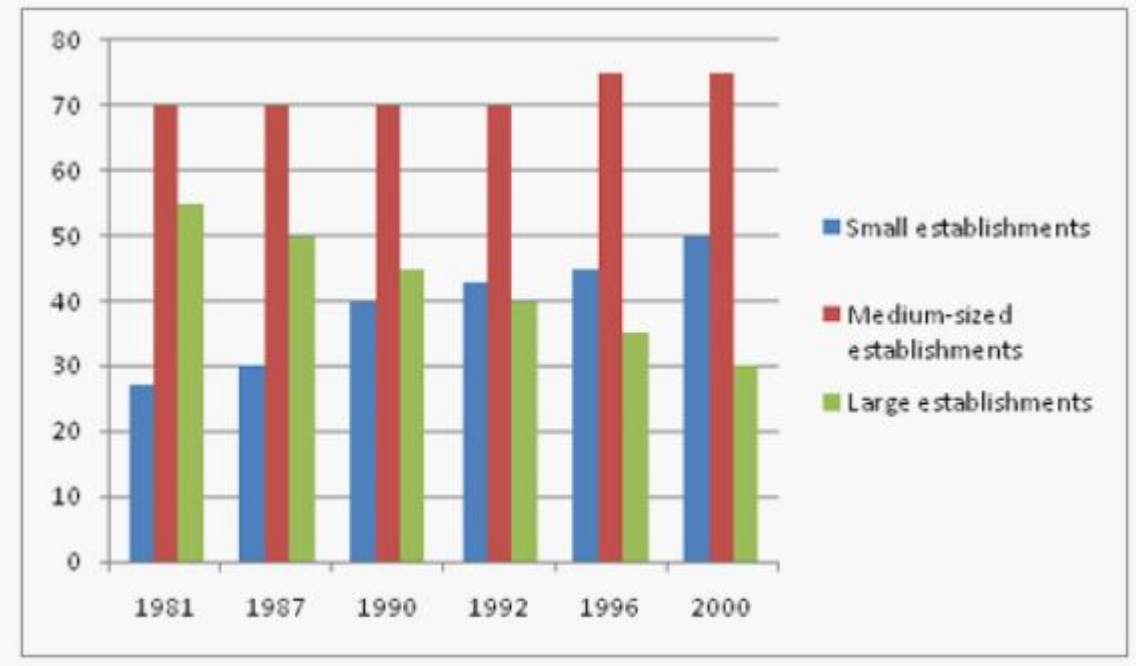
Q 26. On a particular day, the demand for 40 units of X and 50 units of Y must be met. If the remaining production is of product Z only, what is the maximum number of units of Z that can be manufactured on that day?

- A 81
- B 85
- C 99
- D None of these

Q 27. A unit of Y can be manufactured only after 3 units of X and 4 units of Z have been manufactured. What is the minimum time required to manufacture 15 units of Y?

- A 1359 min
- B 1442 min
- C 1556 min
- D 1655 min

Directions for questions 28 to 30: The following diagram shows the percentage share of manufacturing sector in total employment in small, medium and large establishments individually. The definitions of small, large and medium establishments are shown below in the diagram



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Note: Small establishments are defined as those with fewer than 100 employees. Medium-sized establishments are defined as those with between 100 and 1500 employees. Large establishments are defined as those with more than 1500 employees. Study the diagram carefully and answer the questions given below:

Q 28. In 1981 and 1987 about 50 million and 60 million people were employed in small establishments. What was the difference between the no. of employees employed in manufacturing sector small establishments in 1981 and 1987?

- A 4.6 million
- B 13.5 million
- C 5 million
- D 6 million

Q 29. In 1981 about 30 million employees were there in the large establishment. Then how many employees were there in the medium-sized establishments? (Approximately)

- A 25m
- B 40m
- C 35m
- D Can't be determined

Q 30. In 1987, about 40 million employees were there in the large establishments. The population of employees from 1987 to 2000 grew by 60% in large establishments. How many employees were there in the manufacturing sector in large establishments in 2000?

- A. 33.2m
- B. 69.3m
- C. 19.2m
- D. 47.2m

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