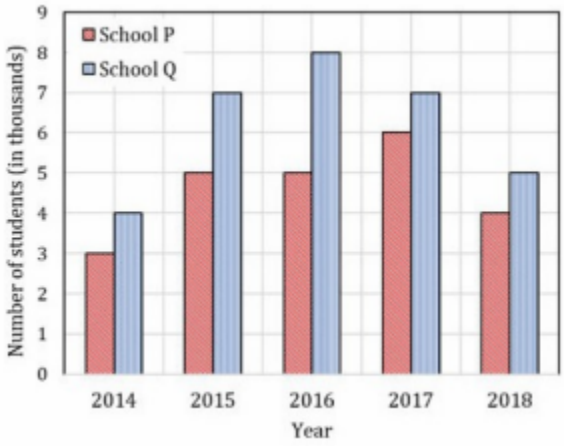
GATE GA Practice Paper 2024 (CollegeDekho)

Q1) The following figure shows the data of students enrolled in 5 years (2014 to 2018) for two schools P and Q. During this period, the ratio of the average number of students enrolled in school P to the average difference of the number of students enrolled in Schools P and Q is ...



1. 8:23
2. 23:8
3. 23:31
4. 31:23

Q2) The radius as well as the height of a circular cone increases by 10%. The percentage increase in its volume is.....

1. 17. 1
2. 21. 0
3. 33. 1
4. 72.8

Q3) A tourist covers half of his journey by train at 60 km/h, half of the remainder by bus at 30 km/h and the rest by cycle at 10 km/h. The average speed of the tourist in km/h during his entire journey is

(A) 36
(B) 30
(C) 24
(D) 18

Q4) Given the sequence of terms, AD CG FK JP, the next term is
(A) OV
(B) OW
(C) PV
(D) PW

Q5) Goods and services tax is an indirect tax introduced in India in 2017 that is imposed on the supply of goods and services, and it subsumes all indirect taxes except few. It is a destination-based tax imposed on goods and services used, and it is not imposed at the point of origin from where goods come. GST also has a few components specific to state governments, central government, and Union Territories(UTs). Which one of the following statements can be inferred from the given passage?

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(A) GST is imposed on the production of goods and services.
(B) GST includes all indirect taxes.
(C) GST does not have a component specific to UT.
(D) GST is imposed at the point of usage of goods and services.

Q6) If P =3, R=27, T=243, then Q+S=_____
(A) 40
(B) 80
(C) 90
(D) 110

Q7) Select the word that fits the analogy: Cover: Uncover : : Associate :
(A) Unassociate
(B) Inassociate
(C) Misassociate

(D) Dissociate

Q8) A ‘frabjous’ number is defined as a 3-digit number with all digits odd, and no two adjacent digits being the same. For example, 137 is a frabjous number, while 133 is not. How many such frabjous numbers exist?
(A) 125
(B) 720
(C) 60
(D) 80

Q9) Pipes P and Q can fill a storage tank in full with water in 10 and 6 minutes, respectively. Pipe R draws the water out from the storage tank at a rate of 34 litres per minute. P, Q, and R operate at a constant rate. If it takes one hour to completely empty a full storage tank with all the pipes operating simultaneously, what is the capacity of the storage tank (in litres)?
(A) 26.8
(B) 60.0
(C) 120.0
(D) 127.5

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Q10) A sum of money is to be distributed among P, Q, R, and S in the proportion 5: 2: 4 : 3, respectively. If R gets ₹ 1000 more than S, what is the share of Q (in ₹)?
(A) 500
(B) 1000
(C) 1500
(D) 2000

Q11) Given below are four statements.
Statement 1: All students are inquisitive.
Statement 2: Some students are inquisitive.
Statement 3: No student is inquisitive.
Statement 4: Some students are not inquisitive.
From the given four statements, find the two statements that CANNOT BE TRUE simultaneously, assuming that there is at least one student in the class.

(A) Statement 1 and Statement 3
(B) Statement 1 and Statement 2
(C) Statement 2 and Statement 4
(D) Statement 3 and Statement 4

Q12) A clock is started at noon. By 10 minutes past 5, the hour hand has turned through:
(A) 145°
(B) 150°
(C) 155°
(D) 160°

Q13) Inhaling the smoke from a burning _____ could _____ you quickly.
(A) Tire/Tier
(B) Tire/Tyre
(C) Tyre/Tire
(D) Tyre/Tier

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Q14) What was the day of the week on 17th June 1998?
(A) Monday
(B) Tuesday
(C) Wednesday
(D) Thursday

Q15) The movie was funny and I _____.
(A) Could help laughing
(B) Couldn’t help laughed
(C) Couldn’t help laughing
(D) Could helped laughed

Q16) You should _____ when to say _____.
(A) no / no
(B) no / know
(C) know / know

(D) know / no

Q17) If
$p : q = 1 : 2$
$q : r = 4 : 3$
$r : s = 4 : 5$
and u is 50% more than s, what is the ratio $p : u$?

(A) 2 : 15
(B) 16 : 15
(C) 1: 5
(D) 16: 45

Q18) Given the statements:
P is the sister of Q.
Q is the husband of R.
R is the mother of S.
T is the husband of P.
Based on the above information, T is _____ of S

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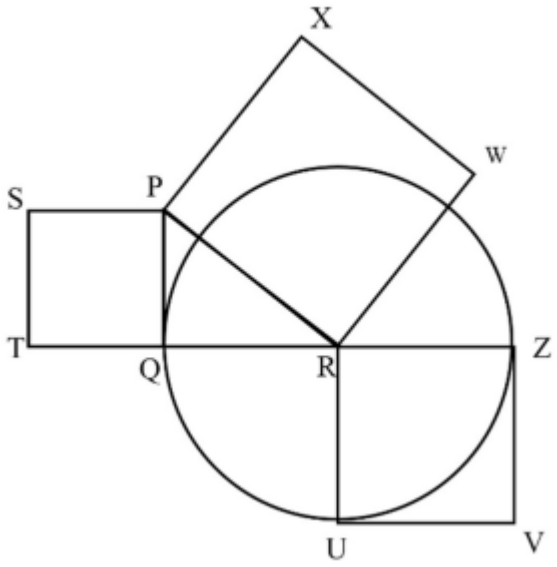
(A) the grandfather
(B) an uncle
(C) the father
(D) a brother

Q19) In the following diagram, the point R is the center of the circle. The lines PQ and ZV are tangential to the circle. The relation among the areas of the squares, PXWR, RUVZ and SPQT is



(A) Area of SPQT = Area of RUVZ = Area of PXWR
(B) Area of SPQT = Area of PXWR Area of RUVZ
(C) Area of PXWR = Area of SPQT Area of RUVZ
(D) Area of PXWR = Area of RUVZ Area of SPQT

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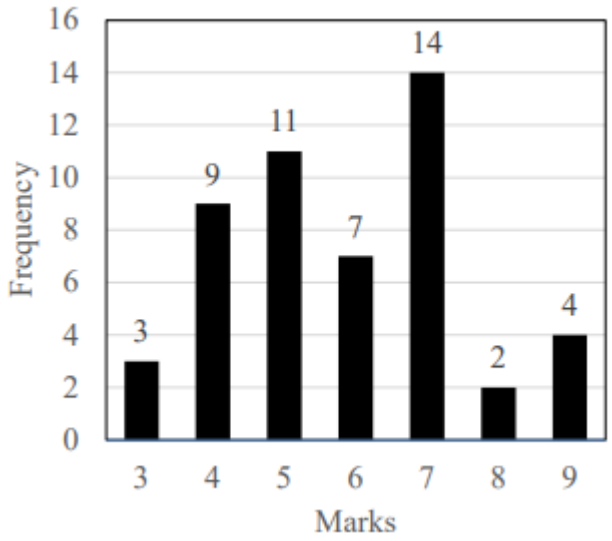
Q20)



The above frequency chart shows the frequency distribution of marks obtained by a set of students in an exam.

From the data presented above, which one of the following is CORRECT?

(A) mean > mode > median
(B) mode > median > mean
(C) mode > mean > median
(D) median > mode > mean

Q21) The total runs scored by four cricketers P, Q, R, and S in years 2009 and 2010 are given in the following table:

Player	2000	2001
P	802	1008
Q	765	912
R	429	619
S	501	701

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The player with the lowest percentage increase in total runs is
(A) P
(B) Q
(C) R
(D) S

Q22) In the early nineteenth century, theories of social evolution were inspired less by Biology than by the conviction of social scientists that there was a growing improvement in social institutions. Progress was taken for granted and social scientists attempted to discover its laws and phases.

Which one of the following inferences may be drawn with the greatest accuracy from the above passage?

Social scientists
(A) did not question that progress was a fact.
(B) did not approve of Biology.
(C) framed the laws of progress.
(D) emphasized Biology over Social Sciences

Q23) The administrators went on to implement yet another unreasonable measure, arguing that the measures were already ___ and one more would hardly make a difference.
(A) reflective
(B) utopian
(C) luxuriant
(D) unpopular

Q24) The arithmetic mean of five different natural numbers is 12. The largest possible value among the
numbers is
(A) 12
(B) 40
(C) 50
(D) 60

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Q25) Two policemen, A and B, fire once each at the same time at an escaping convict. The probability that A hits the convict is three times the probability that B hits the convict. If the probability of the convict not getting injured is 0.5, the probability that B hits the convict is
(A) 0.14
(B) 0.22
(C) 0.33
(D) 0.40

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