

### CMAT Verbal ability question

Each sentence below has one or two blanks. Each blank show that something has been omitted. Under each sentence five words are given as choice. Choose the one correct word for each blank that best fits the meaning of the sentences as a whole.

1. The fact that the- of confrontation is no longer as popular as it once was - process in race relations.

- (a) insidiousness - reiterates
- (b) practice - inculcates
- (c) glimmer - foreshadows
- (d) technique - presages
- (e) reticence - indicates

Ans : (d)

2. A child should not be - as being either very shy or over - accusive.

- (a) categorized
- (b) instructed
- (c) intoned
- (d) distracted
- (e) refrained

Ans : (a)

3. President Anwar el - Sadat of Egypt, disregarding - criticism in the Arab world and in his own Government, - accepted prime minister Menahem Begin's invitation to visit Israel in order to address the Israeli parliament.

- (a) acrimonious - formally
- (b) blemished - stiffly
- (c) categorical - previously
- (d) malignant - plaintively
- (e) charismatic - meticulously

Ans : (a)

4. In his usual - manner, he had insured himself against this type of loss.

- (a) pensive
- (b) providential
- (c) indifferent
- (d) circumspect
- (e) caustic

Ans : (d)

5. We never believed that he would resort to - in order to achieve his goal; we always regarded him as a - man.

- (a) charm - insincere
- (b) necromancy - pietistic
- (c) logic - honourable
- (d) prestidigitation - articulate

(e) subterfuge - honest

Ans : (e)

6. The Sociologist responded to the charge that her new theory was - by pointing out that it did not in fact contradict accepted sociological principles.

(a) unproven

(b) banal

(c) superficial

(d) complex

(e) heretical

Ans : (e)

7. Despite assorted effusion to the contrary, there is no necessary link between scientific skill and humanism, and quite possibly, there may be something of a - between them.

(a) dichotomy

(b) congruity

(c) reciprocity

(d) fusion

(e) generosity

Ans : (e)

8. The most technologically advanced societies have been responsible for the cattiest - indeed savagery seems to be indirect proposition to -

(a) inventions - know-how

(b) wars - viciousness

(c) triumphs - civilizations

(d) atrocities - development

(e) catastrophes - ill-will

Ans : (d)

9. Ironically, the party leaders encountered no caterer - their efforts to build as Processive Party than the - of the processive already elected to the legislature.

(a) obstacle to - resistance

(b) support for - advocacy

(c) praise for - reputation

(d) threat to - promise

(e) benefit - success

Ans : (a)

10. The simplicity of the theory - its main attraction - is also its - for only by - the assumptions of the theory is it possible to explain the most recent observations made by researchers.

(a) glory - rejecting

(b) liability - accepting

(c) undoing - supplementing

(d) downfall - considering

(e) virtue - qualifying

Ans : (c)

**Directions for questions 1 to 5 : Refer to the data below and answer the questions that follow.**

- I. The ratio of people doing all 3 activities to people doing at least 2 activities is 1 : 6.
- II. The ratio of people doing only one activity to people doing at least 2 activities is 3 : 2
- III. Number of people doing only CAT/MBA exceeds number of people doing GRE/MS only by 990.
- IV. Number of people doing only GRE/MS exceeds number of people seeking jobs only by 360.

**1. Number of people doing all 3 activities is :**

- 1] 500
- 2] 1000
- 3] 1500
- 4] Cannot be determined

**2. Number of people doing no more than on activity is :**

- 1] 10,000
- 2] 9,760
- 3] 14,000
- 4] 12,000

**3. Number of people doing exactly two activities is :**

- 1] 6000
- 2] 5000
- 3] 9000
- 4] 10,000

**4. The number of people not doing any activity is :**

- 1] 760
- 2] 570
- 3] 1000
- 4] Data Insufficient

5. The number of people who are both seeking employment and trying for GRN/MS is :

- 1] 1610
- 2] 2430
- 3] 1720
- 4] Data Insufficient

**Explanatory Answers :**

**For answers to questions 1 to 5 :**

Let the different sections be represented by the variables.

Given

$$1. p : (x + y + z + p) = 1 : 6$$

$$2. (a + b + c) : (x + y + z + p) = 3 : 2$$

$$\hat{a} \hat{a} (a + b + c) : p : (x + y + z + p) = 9 : 1 : 6$$

$$\text{Since } \frac{p}{x + y + z + p} = \frac{1}{6}$$

$$\text{Since } \frac{p}{x + y + z} = \frac{1}{5}$$

$$\hat{a} \hat{a} (a + b + c) : (x + y + z) : p = 9 : 5 : 1 \text{ ----- (I)}$$

Again, the total of all areas is :

$$(a + b + c) + 2(x + y + z) + 3p = 6810 + 7070 + 8120$$

$$(a + b + c) + 2(x + y + z) + 3p = 22000$$

Using (I)

$$9p + 2(5p) + 3p = 22p = 22000$$

$$\hat{a} \hat{a} p = 1000$$

$$x + y + z = 5000 \quad \text{(II)}$$

$$a + b + c = 9000$$

Again,

$$c - b = 990$$

$$b - a = 360$$

On solving

$$a = 2430$$

$$b = 2790$$

$$c = 3780$$

$$p = \text{people doing all 3 activities} = 1000$$

$$a + b + c = \text{people doing exactly 1 activity} = 9000$$

$$x + y + z = \text{people doing exactly 2 activities} = 5000$$

$$\text{people not doing any activity} = EU - (1000 + 9000 + 5000)$$

$$= 15760 - 15000 = 760$$

$x, y, z$  cannot be determined without additional data.

Hence,

$$1 - [2] \quad 2 - [2] \quad 3 - [2] \quad 4 - [1] \quad 5 - [4]$$

**Directions for questions 6 to 9 : Refer to the data below and answer the questions that follow.**

Palaash never knew he would be in such trouble. He has to sing in seven different languages. The Assamese song would be a hit if and only if it is preceded by a Telugu song. Konkani song would be a hit only if a Hindi song came before it. English has to be preceded by Hindi and Punjabi is the last song he sings. There is one song between English and Punjabi and of the three only two were hit. Konkani song is a failure. Tamil is the seventh language. If the Assamese song is a hit and his first song was Telugu then:

**6. Which song did he sing after English?**

- 1] Telugu
- 2] Konkani
- 3] Tamil
- 4] Assamese

**7. Which song did he sing after Konkani?**

- 1] Tamil
- 2] Punjabi
- 3] Hindi
- 4] English

**8. If each hit had two points in the Grammy awards, then how many points did Palash get?**

- 1] 4
- 2] 6
- 3] 8

4] Can't say

9. What were the total number of assured hit songs as per the question?

1] 3

2] 4

3] 5

4] 6

**Explanatory Answers :**

**For answers to questions 6 to 9 :**

From the clues we can see Telugu is the first song, while Punjabi is the last song. Assamese would be second followed by Konkani, Hindi and English. Thus Tamil, the seventh language would be the sixth song. In terms of points there is no information regarding whether Telugu and Hindi songs were a hit or not. Thus we can't say. But regarding the number of assured hits as per the question it would be Assamese, and two songs out of English, Tamil and Punjabi. Thus the answers are

6- [3]    7-[3]    8-[4]    9-[1]

**Directions for questions 10 to 14: Refer to the data below and answer the questions that follow.**

A six-digit (with no digit repeated) number is such that every alternate digit is a prime number. The difference between the digit on the tens place and the digit on the thousands place is the digit on the lakh place. The units digit is the product of the digit on the lakh place and the digit on the ten-thousands place, which is also a prime number. Also, tens place digit is greater than the thousandth-place digit.

10. The digit on the lakh place is :

1] 1

2] 2

3] 3

4] 4

11. The digit on the units place is :

1] 2

2] 4

3] 6

4] 8

12. The positive difference of the digit on the ten-thousandth place and the ten's place is :

- 1] 3
- 2] 4
- 3] 6
- 4] 7

13. The digit on the hundred's place is :

- 1] 3
- 2] 4
- 3] 8
- 4] Can't say

14. The number is divisible by :

- 1] 2
- 2] 3
- 3] 4
- 4] Both [1] and [3]

**Explanatory Answers :**

**For answers to questions 10 to 14:**

As the unit digit is not a prime number, thus the lakh digit, the thousands digit and the ten's digit will be a prime number.

As the lakh digit is the difference of two prime numbers and still is a prime number, it is 2. Also, the digits on the thousandth and the ten's place can be either 3 and 5 or 5 and 7. As the unit digit is the product of the digit on the lakh place and the digit on the ten-thousandth 7 (as  $5 \times 2 = 10$ ,  $7 \times 2 = 14$ ). Thus, it has to be 3.

Therefore, we see that the digit on the thousandth place is 5 and that on the ten's place is 7. We don't know anything about the digit on the hundredth place. Therefore, the number is 235 x 76

Thus, the answer are:

10- [2]    11-[3]    12-[2]    13-[4]    14-[4]

**Directions for questions 15 to 19 : Refer to the data below and answer the questions that follow.**

In a gathering of 8 people, A, B, C and D are Software professionals and P, Q, R and S are Hardware professionals. Each person shows at least one of the following features viz. HK, JM, GS and CP.

HW: Hardware professional

SW: Software Professional

HK: Has Kids

JM: Just Married

GS: Has grandsons

CP: One of the Couples

- A 'CP' may be JM (and vice versa) but definitely not HK or GS.
- A GS cannot be JM.
- Neither JM nor CP can be HK or GS.
- GS implies HK but the reverse need not be true.
- P, Q, R, D and S have only one feature where as others show atleast 1.
- A is JM, where as one of C and D is both CP and JM.
- B is GS but D and A are not HK.
- D and Q always show the same feature.
- R is JM and S is HK.
- The 4 features are shown by atleast one of the SW or HW.
- No professional can show more than two features.

**15.** How many professionals are definitely not HK?

- 1] 2
- 2] 3
- 3] 5
- 4] 5 or 6

**16.** A does not show all of the features except :

- 1] JM
- 2] GS
- 3] Data insufficient
- 4] None of these

**17.** If A does not show CP then Q does show :

- 1] HK
- 2] JM
- 3] GS



4] Data insufficient

18. P can show all of the following except :

- 1] JM
- 2] GS
- 3] CP
- 4] None of these

19. If P is the only HW who is a CP then which of the following is definitely true?

- I. A does not show CP
  - II. B may show CP
  - III. D show JM
- 1] I only
  - 2] II only
  - 3] III only
  - 4] None of these

**Explanatory Answers :**

**For answers to questions 15 to 19 :**

The following matrix can be formed based on the given information

	SW				HW			
	A	B	C	D	P	Q	R	S
HK	~	¼	~	~			~	¼
JM	¼	~	¼				¼	~
GS	~	¼	~	~	~	~	~	~
CP		~	¼				~	~

15. Five professionals are definitely not HK, P may or may not be HK. Hence, [3].

16. Now A may or may not be CP. Hence [3].

17. We don't know whether Q is JM or CP. Hence, [4].

18. P cannot show GS. Hence, [2].

19. I : A may or may not show CP. Hence, I may be false.

II : B cannot show more than 2 features. Hence, II is false.

III : D should show JM as Q will show JM. Hence, III is true. Hence, [3].

**Directions for questions 20 to 23 : Refer to the data below and answer the questions that follow.**

I have got two uncles, Joe and John and two aunts, Jane and Jill. While uncle Jose is not married, uncle John is married and has two sons as well. Aunt Jane is a widow and has only one daughter. My mother is the only one in the family who has a real sister while she has no brothers. My father works in the diamond factory while my paternal grandparents live with us. We are a joint family. Then :

**20.** How many members are there in our family?

- 1] 10
- 2] 11
- 3] 12
- 4] 13

**21.** How many cousin sisters do I have?

- 1] None
- 2] One
- 3] Two
- 4] Three

**22.** Who is married to Uncle John?

- 1] Jane
- 2] Jill
- 3] None of these
- 4] Can't Say

**23.** How many children do my paternal grandparents have?

- 1] Two
- 2] Three
- 3] Four
- 4] Five

**Explanatory Answers :**

**For answers to questions 20 to 23 :**

The family hierarchy will be like this :

20. 12 members in the family. Hence, [3].
21. Only one cousin sister. Hence, [2].
22. Aunt Jill is married to Uncle John. Hence, [2].
23. 3 sons, my father, Uncle Joe and Uncle John. Hence, [2].
24. The total number of female members in the family is 5. Hence, [4].
25. The years can be calculated as:  
 $1980 - 15 + 1 + 10 + 2 + 6 = 1984$ . Hence, [3]

**Directions for questions 24 to 25 : Choose the correct alternative.**

**24.** Mr. Gupta is Rita and Sita's father-in-law. Amit is married to Sita and has got two daughters. Rita has only one son. If Mr. Gupta has only two sons and Mrs. Gupta is alive then how many female members are there in the Gupta family?

- 1] 2  
2] 3  
3] 4  
4] 5

**25.** I build a time machine in 1980. The peculiar thing about the time machine was that it had a range of twenty years into the future and 30 years into the past. I used the machine and went back 15 years. After spending a year in the past, I again used it and went 10 years into the future. There I spend around two years and finally went to the future by 6 years. In which year did I land up?

- 1] 1980  
2] 1983  
3] 1984  
4] None of these

**Directions for questions 23 to 30 : Refer to the data below and answer the questions that follow.**

Cars and motorcycles continued to surge ahead even as "Made in India" automobiles like commercial vehicles, multi-utility vehicles, scooters, mopeds and three-wheelers failed to attract overseas buyers this fiscal. Car exports shot up by a huge 105% at 42,444 units during 2001-02 on the back of a superb performance by Ford India, which accounted for more than half of the total exports. Ford shipped 27,572 units of its mid-size car

"Ikon" to countries like South Africa and Mexico. Car market leader Maruti Udyog, however, posted a 35.7% dip at 8,559 units during 2001-02. South Korea's Hyundai also witnessed a 14.5% decline in exports at 4,494 units (5250 cars last year). Car exports of Telco surged ahead by 261.6% at 1,689 cars (467 cars last year) while that of General Motors slipped to 40 cars year-on-year from 69 units. In sharp contrast to passenger car segment, commercial vehicle exports slumped by 19.9% at 9,683 units. While medium and heavy (M&H) vehicles exports went down by 18.2% to 3,891 units, that of light commercial vehicles (LCVs) declined by 22.3% at 5,792 units. Telco's M&H exports fell by 24.4% to 2,118 units while LCVs dipped by 36.2% to 4,036 vehicles during 2001-02. Ashok Leyland, India's second largest commercial vehicle marker, reported a 6.7% and 4.8% drop in M&H and LCV exports at 1,725 units and 98 units respectively. However, exports of LCV markers like Eicher, Swaraj Mazda and Mahindra & Mahindra rose by 61.6%, 56.5% and 68.2% at 1,062, 321 and 274 units respectively. Two-wheeler exports went down by 9.2% to 91,731 units as scooter and moped exports declined by 15.7% and 41.7% at 19,369 units and 22,801 units respectively. However, exports of motorcycles recorded a 13% rise at 17,490 units while the top Bajaj Auto rose by 158% to 15,951 units. Hero Honda posted a 29.4% rise at 11,833 units. Exports of TVS Motors dipped by 13.7% to 2,273 units while Royal Enfield saw a rise of 63.6% to 1,357 units. Scooter markers like Bajaj and TVS posted a 31.5% and 137% jump in exports at 7,996 and 897 units respectively while LML and Kinetic exports dipped by 27.8% and 57.5% to 6,709 and 3,702 units.

**26.** If only 5 companies, Ford, Maruti Udyog, Hyundai, Telco and General Motors exported cars in 2000-01, how many cars did Ford export in 2000-01?

- 1] 1645
- 2] 1607
- 3] 1700
- 4] 1555

**27.** By how much were the total vehicle exports by Telco in 2001-02, higher or lower than those in 2000-01? (Telco manufactures only cars and commercial vehicles)

- 1] 18.3% lower
- 2] 15% lower
- 3] 12% higher
- 4] almost same

**28.** What were the total vehicle exports in 2000-01?

- 1] 133940
- 2] 135000
- 3] 132750
- 4] 131680

29. If the average export realization of motorcycles has reduced from Rs.45,000 per unit in 2000-01 to Rs.40,000 per unit in 2001-02, what is the change in export volumes?

- 1] Rs.218 million increase
- 2] Rs.218 crore increase
- 3] Rs.2.18 billion increase
- 4] Rs.2180 million increase

30. If the average export realization per car for Maruti Udyog has increased by 40%, then what is the percentage change in car exports for Maruti in value terms?

- 1] 10% increase
- 2] 10% decrease
- 3] 5% decrease
- 4] 5% Increase

**Explanatory Answers :**

**For answers to questions 20 to 23 :**

Car	2001-02	2000-01	M&H	2001-02	2000-01
Ford	27572	1607	Telco	2118	2802
Maruti	8559	13311	Ashok Ley.	1725	1849
Hyundai	4494	5250			
Telco	1689	467		<b>3891</b>	4757
GM	40	69			
	90				
	<b>42444</b>	<b>20704</b>			

LCV	2001-02	2000-01	Motorcycles	2001-02	2000-01	Scooters	2001-02	2000-01
Telco	4036	63265	Yamaha	17490		Bajaj	7996	
Ashok Ley.	98	103	TVS	15951		TVS	897	
Eicher	1062	657	Royal Enfield	11833		LML	6709	
Swaraj	321	205				Kinetic	3702	

M&M	274	163		49561	39200			
							19369	22976
	5792	7454				Mopeds	22801	39110

$$\frac{42444}{}$$

26. Total car exports in 2000-01 =  $(1 + 1.05)$  = 20704

Car exports by Maruti in 2000-01 =  $\frac{8559}{(1 - 0.357)}$  = 8559/0.643 = 13311

Car exports by Hyundai in 2000-01 = 5250

Car exports by Telco in 2000-01 = 467

Car exports by General Motors in 2000-01 = 69

Therefore, car exports by Ford in 2000-01 = 20704 - 13311 - 5250 - 467 - 69 = 1607 units. Hence, [2].

27. Number of vehicles exported by Telco in 2001-02 = 1689 + 2118 + 4036 = 7843

Car exported by Telco in 2000-01 = 467

Multi-utility vehicles exported by Telco in 2000-01 =  $\frac{2118}{(1-0.244)}$  = approx. 2118/0.756 = 2802

LCVs exported by Telco in 2000-01 =  $\frac{4036}{(1-0.362)}$  = approximately  $\frac{4036}{0.64}$  = 6326

Total vehicle exports by Telco in 2001-01 = 467 + 2802 + 6326 = 9595

Therefore, ratio of Telco's exports in 2001-02 to those in 2000-01 =  $\frac{7843}{9595}$  = approximately  $\frac{7845}{9600}$  = 0.817 = 81.7%

Therefore, Telco's exports in 2001-02 were 18.3% lower. Hence, [1].

28. Car exports in 2000-01 = 20704

M&H vehicle exports in 200-01 =  $\frac{3891}{(1-0.182)}$  = 3900/0.82 = 4756

LCV exports in 2000-01 =  $\frac{5792}{(1-0.223)}$  = 7454

Two-wheeler exports in 2000-01 =  $\frac{91731}{(1-0.092)}$  = 101025

Therefore, total vehicle exports in 2000-01 = 20704 + 4757 + 7454 + 101025 = 133939. Hence, [1].

29. Motorcycle export value in 2001-02 =  $49561 \times 4000 = 1982440000$  or Rs.1982.44 million

Motorcycle exports in 2000-01 =  $\frac{49561}{1.272} \times 49000/1.25 = 39,200$

Motorcycle exports value in 2000-01 =  $39200 \times 45000 = 1764000000$  or Rs.1764 million

Therefore, motorcycle exports have increased by  $(1982-1764) = \text{Rs.}218$  million. Hence [1].

30. Let x units be exported by Maruti Udyog for an average realization of y rupees per car in 2000-01.

Therefore, exports of Maruti Udyog in 2000-01 =  $x \times y$  rupees

Exports of Maruti Udyog in 2001-02 =  $x \times (1-0.357) \times y \times 1.40 = 0.90 \times x \times y$  Therefore, exports of Maruti Udyog have decreased in value terms by about 10%. Hence,[2].

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