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SYLLOGISM

Directions: Each question below consist of two statements (premises). Choose the most plausible conclusion that can be drawn from the premises.

- All women are clever
Sania is a woman

| | |
|-----------------------------|--------------------|
| a. Sania is not clever | c. Sania is clever |
| b. All women are not clever | d. None of these |
- All oranges are apples
All apples are pears

| | |
|---------------------------|--------------------------|
| a. All pears are apples | c. All pears are oranges |
| b. Some oranges are pears | d. None of these |
- All rocks are locks
All locks are docks

| | |
|-------------------------|-------------------------|
| a. All rocks are docks | c. Some rocks are locks |
| b. Some locks are docks | d. None of these |
- Some men swim
All men gamble

| | |
|------------------------|------------------|
| a. Some gamble are men | c. All men swim |
| b. All swim gamble | d. None of these |
- Sara is a painter
No painter flies
All painter flies

| | |
|-----------------------|--------------------|
| a. Some painter flies | c. Sara cannot fly |
| b. None of these | |
- All cats are white
This is white

| | |
|---------------------------|------------------------|
| a. All cats are not white | c. Some cats are white |
| b. None of the both | d. Both a and b |
- No A is B
Z is A
All Z are A

| | |
|-----------------|------------------|
| a. Some B are Z | c. None of these |
| b. No Z is A | |
- Rohan is a traveller
All travellers are photographers

| | |
|---|--|
| a. All Photographers are not travellers | |
| b. Rohan is a photographer | |

- c. All travellers are not photographers
- d. None of these

9. All pencils are bricks
All bricks are bottles
- a. All bricks are not pencils
 - b. All pencils are bottles
 - c. Some bottles are bricks
 - d. None of these

10. All men are prisoners
No prisoner is educated
- a. All men are not educated
 - b. No educated are prisoners
 - c. None of the both
 - d. Both a and b

- 11.
- A. Some lids are nibs
 - B. All hooks are lids.
 - C. All hooks are nibs
 - D. No lid is a nib
 - E. No lid is a hook
 - F. No nib is hook
 - a. EFD
 - b. BCA
 - c. DEA
 - d. CDA

- 12.
- A. All Pens are knives
 - B. All knives are spoons
 - C. No knives are pens
 - D. No knives are spoons.
 - E. All pens are spoons.
 - F. All spoons are pens.
 - a. ABE
 - b. ABF
 - c. AFE
 - d. DBE

- 13.
- A. some books are not novels.
 - B. all the novels are fictions
 - C. some novels are fictions.
 - D. only novels are fictions
 - E. some books are not fictions
 - a. ADE
 - b. DEA
 - c. CED
 - d. ABC

- 14.
- a. All the nurses are in demand
 - b. no doctor is in demand
 - c. C.some nurses are efficient

- d. some nurses are demand
- e. some in demand are efficient
- a. dec
- b. Cae
- c. abc
- d. dbc

Direction: Draw a Venn diagram for following set of Statements.

- 15. All animals are living things; Cat is an animal; Cat is a living thing.
- 16. Some flowers are green; rose is a flower; rose is green
- 17. No flower is green; rose is a flower; rose is not green
- 18. Some officers are engineers; No engineer is a criminal; Some officers are not criminals
- 19. Seaweeds are pink; All pink things are fruits; seaweeds are fruits.
- 20. Most Mexicans are chefs; some chefs are sailors; No Maxican is a sailor.
- 21. Some professors are swimmers; No swimmer is a typist; no typist is a professor.
- 22. Composers are lyricist; lyricists are directors; composers are directors.
- 23. Oovo is a university; some universities are not recognized; Oovo is not recognised.
- 24. Actors are models; Agassi is not an Actor; Agassi is a model

In each of the questions below, a set of three statements is given. Identify the sets in which the third statement can be deduced from the preceding two. If the conclusion can be drawn mark (true) if not (false). Write the answers in the bracket.

- 25. Doctors serve in army camps.
Sam served in army camp.
Sam is a doctor.
- a. True
- b. False
- c. Cannot say
- 26. Some painters are singers.
All composers are singers.
Some painters are composers.
- a. True
- b. False
- c. Cannot say
- 27. All politicians are honest.
Agassi is honest.
Agassi is a politician
- a. True
- b. False
- c. Cannot say
- 28. All writers are singers.
Some writers are actors.
Some writers sing and act.
- a. True
- b. False
- c. Cannot say
- 29. All sprinters run fast.
Fiama runs fast.
Fiama is a sprinter.

- a. True b. False c. Cannot say
30. Vitamins are good for health.
Oranges are good for health.
Oranges contain vitamins.
a. True b. False c. Cannot say
31. All rivers are lakes.
All lakes are streams.
All rivers are streams.
a. True b. False c. Cannot say
32. Some women are not clever.
Rita is a woman.
Rita may be clever.
a. True b. False c. Cannot say
33. All who speak French know Russian.
Raju speaks Russian.
Raju speaks French.
a. True b. False c. Cannot say
34. All desks are made of wood.
Some benches are made of wood.
Some desks are benches.
a. True b. False c. Cannot say

PUZZLES

- 1) Three reporters Jack, Kerry and Lanny are supposed to visit France from Spain for covering an international conference .The duration of the conference is 8 days. Each day only one reporter will cover the event. Each reporter will be at the conference for atleast 2 consecutive days out of the 8 day event. Jack does not cover the event for the sixth day. Kerry attends on the third day. If Kerry only covers the event for 2 days, which one of the following must be true?
- Jack attends on the first day
 - Jack attends on the eighth day
 - Lanny attends on the fourth day
 - Kerry attends on the Seventh day
 - Lanny attends on the sixth day.
- 2) Three reporters Jack, Kerry and Lanny are supposed to visit France from Spain for covering an international conference .The duration of the conference is 8 days. Each day only one reporter will cover the event. Each reporter will be at the conference for atleast 2 consecutive days out of the 8 day event. Jack does not cover the event for the sixth day. Kerry attends on the third day. If jack does not cover the event on the first , second, third and fourth day, which one of the following must be true?
- Lanny will attend on the Second day

- Kerry will attend on the sixth day
 - Jack will attend on the Seventh day
 - Jack will attend on the fifth day
 - Lanny will attend on the fourth day
- 3) Three reporters Jack, Kerry and Lanny are supposed to visit France from Spain for covering an international conference .The duration of the conference is 8 days. Each day only one reporter will cover the event. Each reporter will be at the conference for atleast 2 consecutive days out of the 8 day event. Jack does not cover the event for the sixth day. Kerry attends on the third day. If Kerry covers the conference on the fifth day ,which one of the following cannot be true?
- Lanny attends on the Saturday
 - Jack attends on the second day
 - Lanny attends on the eighth day
 - Jack attends on the first day
 - Kerry attends on the seventh day
- 4) Three reporters Jack, Kerry and Lanny are supposed to visit France from Spain for covering an international conference .The duration of the conference is 8 days. Each day only one reporter will cover the event. Each reporter will be at the conference for atleast 2 consecutive days out of the 8 day event. Jack does not cover the event for the sixth day. Kerry attends on the third day. What the maximum number of days any reporter can cover the conference?
- 2
 - 3
 - 4
 - 5
 - 6
- 5) Three reporters Jack, Kerry and Lanny are supposed to visit France from Spain for covering an international conference .The duration of the conference is 8 days. Each day only one reporter will cover the event. Each reporter will be at the conference for atleast 2 consecutive days out of the 8 day event. Jack does not cover the event for the sixth day. Kerry attends on the third day. If Kerry covers the conference on the first , second and eighth day , how many different schedules are possible?
- 1
 - 2
 - 3
 - 4
 - 5
- 6) Three football teams are there. Given below is the group table. Fill in the x's
- P – Played
W – Won
L – Lost
D – Draw
F – Goals For

A - Goals Against

| | P | W | L | D | F | A |
|---|---|---|---|---|---|---|
| A | 2 | 2 | x | x | x | 1 |
| B | 2 | x | x | 1 | 2 | 4 |
| C | 2 | x | x | x | 3 | 7 |

- 7) A bird keeper has got P pigeons, M mynas and S sparrows. The keeper goes for lunch leaving his assistant to watch the birds. Suppose $p = 10$, $m = 5$, $s = 8$ when the bird keeper comes back, the assistant informs the x birds have escaped. The bird keeper exclaims: "Oh no! All my sparrows are gone."
- A. How many birds flew away?
- a. 29
b. 23
c. 28
d. 25
- B. When the bird keeper comes back, the assistant told him that x birds have escaped. The keeper realized that at least 2 sparrows have escaped.
- a. 15
b. 17
c. 18
d. 19
- C. What is minimum no of birds that can escape?
- a. 12
b. 13
c. 16
d. 17
- 8) A person is 80 years old in 490 and only 70 years old in 500 in which year is he born?
- a. 400
b. 550
c. 570
d. 440
- 9) A family X went for a vacation. Unfortunately it rained for 13 days when they were there. But whenever it rained in the mornings, they had clear afternoons and vice versa. In all they enjoyed 11 mornings and 12 afternoons. How many days did they stay there totally?
- a. 16
b. 24
c. 18
d. 26
- 10) A Lorry on a daily basis for 7 days of a week starts from Bangalore to Mysore At 6.00 a.m, 7.00 a.m, 8.00 a.m ...10.00pm. Similarly another Lorry on the other side starts from Mysore to Bangalore at 6.00 a.m, 7.00 a.m, 8.00 a.m ... 10.00pm. A Lorry takes 9 hours to travel from Bangalore to Mysore and vice versa.
- (I) A Lorry which has started At 6.00 a.m will cross how many Lorries on its way.

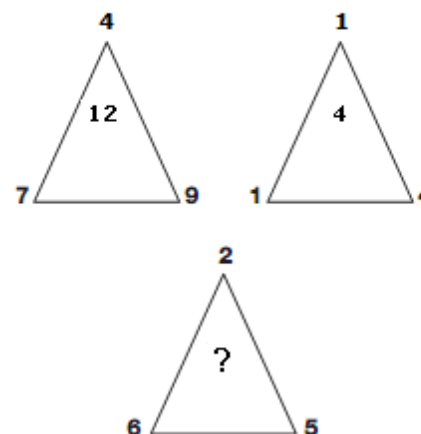
(II) A Lorry which has started At 6.00 p.m will cross how many Lorries on its way.

- a. 11,13 c. 10,13
b. 9,10 d. 10,12

- 11) A person went to shop and asked for change for 1.15 paise. He said that he wanted the change in 50p, 25p, 10p and 5p without missing on any of the given denominations. How many coins did he have in each denomination?
- a. 50p-2, 25p-1, 10p-1, 5p-1 c. 50p-2, 25p-1, 10p-2, 5p-1
b. 50p-1, 25p-2, 10p-1, 5p-1 d. 50p-2, 25p-2, 10p-1, 5p-1

- 12)

Which number replaces the question mark?



- 13) A man has 53 socks in his drawer: 21 identical blue, 15 identical black and 17 identical red. The lights are fused and he is completely in the dark. How many socks must he take out to make 100 per cent certain he has a pair of black socks?
 - a. 35
 - b. 40
 - c. 45
 - d. 50
- 14) Gordon is twice as old as Tony was when Gordon was as old as Tony is now. The combined age of Gordon and Tony is 112 years. How old are Gordon and Tony now?
- 15) Joe's age, Joe's sister's age and Joe's father's age sums up to a century. When son is as old as his father, Joe's sister will be twice as old as now. When Joe is as old as his father then his father is twice as old as when his sister was as old as her father?

- a. 20,30,50
- b. 30,20,50

- c. 25,25,50
- d. 30,15,55

16) Three friends divided some bullets equally. After all of them shot 4 bullets the total no. of remaining bullets is equal to that of one has after division. Find the original number divided.

- a. 18
- b. 20
- c. 40
- d. 34

17) Gautham passes through seven lane to reach his school. He finds that YELLOW lane is between his house and KAMA lane. The third lane from his school is APPLE lane. PEACOCK lane is immediately before the PARK lane. He passes ASH lane at the end. KAMA lane is between YELLOW lane and PEACOCK lane. The sixth lane from his house is RAO lane.

A. How many lane are there between KAMA lane and RAO lane ?

- a. One
- b. Two
- c. three
- d. four

B. After passing the park lane how many lane does Gautham cross to reach the school ?

- a. 4
- b. 3
- c. 2
- d. 1

C. After passing the YELLOW lane how many lane does Gautham cross to reach the school ?

- a. 4
- b. 6
- c. 2
- d. 1

D. Which lane is between PARK lane and RAO lane ?

- a. YELLOW lane
- b. KAMA lane
- c. APPLE lane
- d. PEACOCK lane

E. If the house of Gautham, each lane and his school are equidistant and he takes 2 min to pass one lane then how long will he take to reach school from his house ?

- a. 18 min
- b. 16 min
- c. 14 min
- d. 12 min

18) Four persons A, B, C, D were there. All were of different weights. All Four gave a statement. Among the four statements only the person who is lightest in weight of all others gave a true statement.

A Says: B is heavier than D.

B Says: A is heavier than C.

C Says: I am heavier than D.

D Says: C is heavier than B.

Find the lightest and List the persons in ascending order according to their weights?

- a. A
- b. C

- c. B
- d. D

Directions:

Each analytical puzzle contains

(i) a description of a set of 3-7 relationships between fictitious persons, places, things or events.

(ii) two or more questions to test the understanding of these relationships and implications.

The questions may pertain to relationships already defined or may involve additional constraints and conditions.

Each questions is independent and hence the conditions and constraints defined in one question should never be used in other questions.

19) There is an unique missing system followed in the Kimberly mines in south Africa.

tunnel 1 is linked to tunnels 2 and 3

tunnel 4 is linked to tunnels 2,5 and 7

tunnel 5 is linked to tunnels 9

tunnel 3 is linked to tunnels 6

tunnel 6 is linked to tunnels 9 and 8

tunnel 9 is linked to tunnels 8

The distance between two successive tunnels is constant

A. Find the shortest distance between tunnel 4 and 8

- a. 3-1-2-8
- b. 4-5-9-8
- c. 1-2-3-8
- d. 5-3-8-1

B. A miner is in tunnel 9, find the shortest distance to reach tunnel 1.

- a. 1-3-5-4
- b. 8-5-4-7
- c. 9-6-3-1
- d. 3-4-9-8

20) Some children play with fire crackers and they decide to light the six fire crackers in a specific order. Six crackers are green, yellow, blue, red, purple and magenta.

(i) Green colour should be lit at the start.

(ii) Purple colour should be lit at the last.

(iii) Yellow should follow red

(iv) Blue should follow green colour immediately.

A. After what colour will the children light the magenta coloured cracker?

- a. Green or yellow
- b. Blue or Green
- c. Blue or yellow or red
- d. None of these

B. How many possible combinations are possible?

- a. 4
- b. 5
- c. 6
- d. 7

21) Seven different books are to be arranged in a rack. Two books are related to philosophy. Two books are related to history. Two books are related to medicine. One book is related to computer.

- (i) The two medical books should be placed together.
 - (ii) The two history related books should not be placed together.
 - (iii) Computer book cannot be next to a philosophy book.
 - (iv) The third book should be a philosophy book.
- A. If the second book is a medical book, then list all the position where the computer book can be placed.

- a. 3, 4, 5
- b. 5, 6, 7
- c. 4, 5, 6
- d. None of these

B. If the fifth book is the philosophy book then what will be placed after it?

- a. Medical books
- b. Computer books
- c. History
- d. None of these

22) Seven children A, B, C, D, E, F and G are in 2 study groups. Group 1 has 3 members and group 2 has 4 members.

- (i) A cannot be in the same group as C
 - (ii) If B is in group 1, D must be in group 1.
 - (iii) If E is in group 1, C must be in group 2.
 - (iv) F is in group 2.
- A. If A is in group 2, then who all must be in group 2?
- a. E, A, F
 - b. D, A, C
 - c. F, A, D
 - d. None of these
- B. If C and E are in the same group, then list all the pairs of people who must not be together?
- a. A and C
 - b. B and G
 - c. F and E
 - d. None of these
- C. If B is in group 1, then who must be in group 2?
- a. 1
 - b. 2
 - c. 3
 - d. 4

23) Six chairs are placed in a meeting for A, B, C, D, E and F. They sit according to the following conditions.

- (i) F and E in the extreme ends.
 - (ii) A and C sit together.
 - (iii) B sits to the immediate left of E.
 - (iv) D and F don't sit together.
- A. who sits next to F?
- a. B or D
 - b. C or A
 - c. A or D
 - d. None of these
- B. If another person G enters the room & sits next to B what will be his position?
- a. 2nd
 - c. 4th

b. 3rd

d. 5th

LOGICAL DEDUCTIONS

Directions:

Each question contains six statements. Write as many logical combinations as possible from the set of six. In each combination, the logical order should be

1. All men are clever

Sam is a man

Sam is clever

Illustration:

- A. The newt is an amphibian.
- B. Amphibians can live on land and in water.
- C. The newt is not an amphibian.
- D. The newt lives on land and in water.
- E. Amphibians can live on land.
- F. The newt cannot survive on land.

- a. ABD, FBC
- b. ACD, BEF

- c. BCD, AFE
- d. None of these

2. A. Cells are the basic units of organisms.
B. Organisms are made of cells.
C. All organisms contain RNA.
D. All organisms contain DNA.
E. All cells contain DNA.
- a. DNA is similar to RNA
 - a. CBD, FAE
 - b. BCD, AEF
 - c. ACB, EDF
 - d. None of these
3. A. Social behavior is seen in colonies.
B. Chimpanzees are known to be intelligent.
C. Colonies require social behavior.
D. Intelligence is required for social behavior.
E. Primates are intelligent.
F. Chimpanzees are capable of social behavior.
- a. ADF, CBE
 - b. BDF, ACF
 - c. BCD, AFE
 - d. None of these
4. A. Saffron is a colouring dye.
B. Most foods are coloured.
C. Saffron causes cancer.
D. Colouring dyes are often carcinogenous.
E. Cancer has many sources.
F. Eating food may cause cancer.
- a. DAC, BEF
 - b. ABD, FCE
 - c. BAC, DEF
 - d. None of these

5. A. Nectar is found in flowers.
B. The rose is not a true flower.
C. Chrysanthemum is a flower.
D. Nectar is found in roses.
E. Chrysanthemum is not a flower.
F. Nectar is found in chrysanthemum.
a. ABF, EDB c. ABD, CEB
b. ACF, DBE d. None of these
 6. A. R and G are together taller than S.
B. R and G are of the same height.
C. S is shorter than R.
D. G is taller than S.
E. R,G and S are midgets.
F. G is taller than T.
a. FED, ACB c. BDF, ACE
b. CDE, FAB d. None of these
 7. A. All cars built after 1978 have seat belts.
B. Only cars built after 1978 have seat belts.
C. This car has seat belts.
D. After 1981, a new rule regarding seat belts was enforced.
E. This car must have been built after 1978.
F. This car must have been built after 1981.
a. ABE, DCF c. CAE, BDF
b. ACD, FBE d. None of these
 8. A. In Bangalore, power is shut down for six hours every day.
B. In Madurai, power is shut down thrice a day for two hours each time.
C. Power shut downs affect HV users the most.
D. Each power shut down in Bangalore is for half an hour.
E. The power cuts in Bangalore are as long as those in Madurai.
F. The temperature in Madurai makes power cuts unbearable.
a. ABE, FDC c. BAE, DCF
b. EAB, CDF d. None of these
 9. A. Today there are 2.8 persons reported per household.
B. The divorce rate has increased.
C. In 1930, an average, there were 4.1 persons in a household.
D. The birth rate has increased.
E. Fewer people live in a household now than they did earlier.
F. The population has decreased since 1930.
a. CAE, BDF c. ACE, DBF
b. EAC, FBD d. None of these
 10. A. Some creatures are parasites.
B. All creatures are cancer-causing.
C. Some parasites are cancer-causing.
D. No parasite is a creature.
E. Some creatures are not cancer-causing.
F. Most parasites are not cancer-causing.
a. ABC, DEF c. CAB, FED
b. BAC, EDF d. None of these
 11. A. Japan now produces more semiconductors than the US does.
B. Semiconductors is one of the fastest growing industry segments.
C. A decade ago Japan was producing 22% and the US was producing 22% of the world's semiconductors respectively.
D. Ten years ago, japan ranked third in terms of semiconductor production.
E. During the last ten years, Japan's production of semiconductors has increased by 500% while that of the US has increased by 200%.
F. Japan occupies an unassailable position in the semiconductor market today.
a. ABC, DEF c. BAC, DFE
b. BCA, EFD d. None of these
 12. A. Bob is older than Dinku and Esther.
B. Rahul is older than Dinku.
C. Rahul is younger than Bob.
D. Rahul is older than Esther.
E. Dinku is older than Esther.
F. Bob is older than Dinku.
a. AEF, BCD c. EFA, CBD
b. EAF, CDB d. None of these
 13. A. Inhabitants of Cyprus island speak only Konkani.
B. Some Punjabis speak only Tulu.
C. Some gypsies are inhabitants.
D. Some Punjabis speak Konkani.
E. Some gypsies speak only Konkani.
F. Some Cyprus islanders speak Tulu.
a. AEC, DBF c. CEA, FBD
b. ACE, BDF d. None of these
 14. A. In the last six months, the number of robberies at gun-point in the city has dropped by 18%.
B. Guns are necessary protection against smugglers.
C. Strict gun control laws cause a decrease in violent crime.

- D. Most crimes are committed with knives and guns.
E. Six months ago, this city's council passed a gun control law.
F. Violent crimes are on the rise in most cities across the country.

a. BEA, DBF c. AEB, BDF
b. BAE, BDF d. None of these

15. A. Fungi are known to reproduce.
B. All living organisms reproduce.
C. The river is similar to living organisms in several ways.
D. Fungi are living organisms.
E. The river has movement like an organism.
F. This river is not a living organism.

a. BAD, CEF c. BAD, ECF
b. DAB, FEC d. None of these

16. A. All crows are birds.
B. All birds are black.
C. All crows are black.
D. All crows have beaks.
E. All crows lay eggs.
F. All birds have claws.

a. AED, CBF c. DAE, FCB
b. ADE, BCF d. None of these

17. A. Good managers are intuitive.
B. Some managers are women.
C. Supriya is intuitive.
D. Supriya is a woman.
E. Some women are intuitive.
F. Supriya is a good manager.

a. FAC, EBD c. ACF, BED
b. CAF, DBE d. None of these

18. A. Good people are educated.
B. Some girls are bad.
C. Ram is good.
D. Ram and Lata are friends.
E. Ram is educated.
F. Lata is an educated girl.

a. ACE, BDF c. EAC, DFB
b. CAE, FDB d. None of these

19. A. Iran and Iraq are members of UN.
B. Not all members of the UN are friends.
C. Iran and Iraq are neighbours.
D. Some UN members are friends.

E. Iran and Iraq are not friends.
F. No neighbours are friends.

a. FCE, BAD c. EFC, DAB
b. CFE, ABD d. None of these

20. A. Shyam won the game.
B. Shyam lost in a chess game.
C. One need not be intelligent to win a lottery.
D. Shyam may be intelligent.
E. One need not be intelligent to win a chess game.
F. Shyam plays chess.

a. FAE, BCD c. EFA, BDC
b. AFE, CBD d. None of these

21. A. All apples are fruits.
B. All fruits are sweet.
C. All apples are sweet.
D. All apples are priced.
E. All apples are red.
F. All fruits are available.

a. CAB, FDE c. BAC, DFE
b. ABC, FED d. None of these

22. A. All rax are dax.
B. To be a dax you have to not be a sax.
C. All sax are rax.
D. All dax are rax.
E. No sax are rax.
F. All max are not sax.

a. BCA, EFD c. CAB, FED
b. ABC, DEF d. None of these

23. A. Ram and shyam are equally tall.
B. Ram is taller than gopal.
C. Gopal is shorter than Shyam.
D. Ram and shyam are shorter than Arvind.
E. Arvind is taller than Gopal.
F. The difference in heights between Gopal and Ram and Gopal and Shyam is the same.

a. ABC, DEF c. CBA, FED
b. BAC, EFD d. None of these

24. A. Tanos is 250km east of Lagos.
B. Tertia and Lagos are cities.
C. Lagos is 300km west of Tertia.
D. The distance from Tanos to Tertia is 550 km.

- C. His eyes are not red
D. His eyes became red
- a.AC and BD
b.AB and CD
c. AD and CB
d. None of these

Choose the ordered pair of statement options which agrees with the given statement

- a. AC and DC
b. AB and CD
c. CB and AD
d. None of these

- a. AC and BD
b. AD and BC
c. AB and CD
d. None of these

- AB and CD
- AD and BD
- CA and DB
- None of these

- a. AC and DB
b. AB and CD
c. BC and AD
d. None of these

- a. BA and CD c. CB and AD
b. CA and BD d. None of these

- ## SIX PHRASE

- A. Mohan is in the cricket team.
 B. Mohan is not in the basketball team.
 C. Mohan is in the basketball team.
 D. Mohan is not in the cricket team.
 a. AB and CD
 b. BC and DA
 c. BA and DC
 d. None of these

36. You can either be a pragmatist or have no belief in the supernatural.
 A. Arun believes in the supernatural.
 B. Arun is a pragmatist.
 C. Arun is not pragmatist.
 D. Arun has no belief in the supernatural.
 a. BA and CD
 b. AC and BD
 c. AD and CB
 d. None of these

37. If I don't go for a vacation, I gain weight.
 A. I went for a vacation.
 B. I did not gain weight.
 C. I didn't go for a vacation.
 D. I gained weight.
 a. CD and BA
 b. AC and BD
 c. BC and AD
 d. None of these

38. Ramya is either not a dishonest girl or she is a shrew.
 A. Ramya is a dishonest girl.
 B. Ramya is a shrew.
 C. Ramya is not a shrew.
 D. Ramya is not a dishonest girl.
 a. AB and CD
 b. DA and CB
 c. CD and BA
 d. None of these

39. Corrupt politicians do not take part in anticorruption campaigns.
 A. Chatterjee did not take part in the anti-corruption campaign.
 B. Chatterjee is corrupt.
 C. Chatterjee took part in the anticorruption campaign.
 D. Chatterjee is not corrupt.
 a. AC and BD
 b. BA and CD
 c. AD and BC
 d. None of these

40. Either the principal is not in the college or he is working out in the gym.
 A. The principal is working out in the gym.
 B. The principal is not in the college.
 C. The principal is not working out in the gym.
 D. The principal is in the college.

a. AC and BD
 b. DA and BC
 c. AB and CD
 d. None of these

41. Either Warne played cricket or he played snooker.
 A. Warne played snooker.
 B. Warne played cricket.
 C. Warne did not play cricket.
 D. Warne did not play snooker.
 a. AC and BD
 b. CD and AB
 c. CB and AD
 d. None of these

42. If he takes a bank loan, then he does not have to pay tax.
 A. He took a bank loan.
 B. He does not have to pay tax.
 C. He has to pay tax.
 D. He did not take a bank loan.
 a. AB and CD
 b. CB and AC
 c. AD and BC
 d. None of these

43. Either the Indian team is not fixing matches or it is playing well.
 A. The Indian team is playing well.
 B. The Indian team is not fixing matches.
 C. The Indian team is not playing well.
 D. The Indian team is fixing matches.
 a. AB and CD
 b. BD and CA
 c. AD and BC
 d. None of these

44. Whenever Nitya arrives on time, she is greeted by her colleagues.
 A. Nitya is not greeted by her colleagues.
 B. Nitya did not arrive on time.
 C. Nitya is greeted by her colleagues.
 D. Nitya arrived on time.
 a. AB and CD
 b. DC and AB
 c. BD and AC
 d. None of these

45. Every time Anil travels by bus, he suffers from a headache.
 A. Anil suffered from a headache.
 B. Anil did not suffer from a headache.
 C. Anil did not travel by bus.
 D. Anil travelled by bus.
 a. DA and BC
 b. AB and CD
 c. BD and AC
 d. None of these

46. 1. If dolly works hard then she can get A grade
 2. If dolly does not work hard then she can get A grade
 3. If dolly gets an A grade then she must have worked hard

4. If dolly doesn't gets an A grade then, she must not have worked hard
Dolly wishes to get A grad
a. 3,1 c. 1,2
b. 2,3 d. 3,4
47. A) Rose is a true flower.
B) Flowers does not contain honey.
C) True flower contains honey.
D) Rose does not contain honey.
E) Rose contains honey.
a. CBD c. EDC
b. CAD d. CAE
48. A) Arun is eating sweets everyday.
B) Ajay owns a Sweet Stall.
C) Eating sweets daily has the risks of diabetes.
D) Arun has the risk of diabetes
E) Arun does not eat Sweets.
a. ABC c. EDC
b. CAD d. BDA
49. A) Mobile phones costs very high.
B) Mobile phones costs very low.
C) Mobile phone Blasts Sometimes.
D) Android becomes very popular.
E) Everyone uses mobiles.
a. CBD c. EDC
b. CAD d. NONE
50. A) No Engineers are clever
B) Rakesh is an Engineer.
C) All Engineers are intelligent.
D) Rakesh is clever
E) Rakesh is intelligent.
a. ACB c. CBE
b. CBD d. EAB
51. A) All girls are beautiful
B) No girls are Beautiful
C) Geetha is a girl.
D) Radha is a girl
E) Geetha is beautiful.
a. ABC c. CDE
b. BCD d. ACE
52. All flowers has honey
B) Rose is a flower
C) Jasmine is a flower
D) Rose does not have honey
E) Jasmine has honey
F) Rose has honey
a. ABC c. ACD
b. ABF d. CDE
53. A) No communist is a partisan
B) Chartterjee is not a partisan
C) Chartterjee is a communist
D) Chartterjee is not a communist
E) Chartterjee is a partisan
a. ACB c. ADE
b. ABC d. ABE
54. A) Excess cholestrol is known to cause heart disease.
B) Smoking may cause cancer
C) Mr.Pater does not smoke
D) Mr.Parter has excess cholesterol
E) Excess cholesterol does not cause heart disease
F) Mr.Pater runs the risk of having heart disease
a. BCF c. DAF
b. BDE d. BDF
55. A) All girls are beautiful
B) Rita is a girl
C) All girls get angry
D) Rita get angry
E) Rita does not get angry
F) Rita is beautiful
a. ACD c. CBE
b. ABC d. ABF
56. A) Nectar is found in flowers
B) The rose is not a true flower
C) Chrysanthemum is a flower
D) Nectar is found in roses
E) Chrysanthemum is not a flower
F) Nectar is found in Chrysanthemum
a. BAD c. EBA
b. EAF d. ACF

57. In the question given below there are six statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

1. Lakme is a nail polish
2. Some nail polishes contain oil
3. All nail polishes do not contain oil
4. All nail polishes contain chemicals
5. Lakme has oil
6. Lakme contains chemical

- | | |
|--------|--------|
| a. 235 | c. 641 |
| b. 152 | d. 156 |

58.

- A. All MBA's are logical
- B. Sudir is rational.
- C. Sudhir is a logical MBA
- D. Sudhir is a man
- E. Some men are MBA's
- F. All men are rational.

- | | |
|--------|--------|
| a. DEC | c. BCF |
| b. EAF | d. FDB |

59.

- A. Competitive examinations are tough to pass.
- B. There is heavy competition in any field.
- C. No student can pass MAT
- D. Very few students can pass MAT.
- E. MAT is a competitive examination
- F. MAT is tough to pass

- | | |
|--------|--------|
| a. AEF | c. DFB |
| b. ABC | d. CDE |

DATA SUFFICIENCY

Directions:

Use the following answer choices for the questions below.

- A. Statement 1 alone is sufficient but statement 2 alone is not sufficient to answer the question asked.
 - B. Statement 2 alone is sufficient but statement 1 alone is not sufficient to answer the question asked.
 - C. Both statements 1 and 2 together are sufficient to answer the question but neither statement is sufficient alone.
 - D. Each statement alone is sufficient to answer the question.
 - E. Statements 1 and 2 are not sufficient to answer the question asked and additional data is needed to answer the statements
- 1) Is the product of x and y greater than 60?
 2. The sum of x and y is greater than 60.

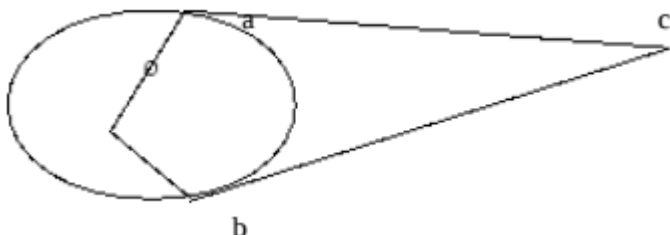
3. Each of the variables is greater than 2.

Correct Option Is: C

- 2) What is the value of y ?
 1. $y - 3 = 2$
 2. $y^2 = 25$
- 3) What was the percent increase of Company A's stock between June 1 and June 30, 2000?
 1. The stock gained \$5 in value during June 2000.
 2. The stock rose 12% during the first half of the month.
- 4) Is x a prime number?
 1. x is an even number.
 2. x can not be divided evenly by an odd number other than 1.
- 5) If the average size of 3 accounts is \$1 million, is the smallest account less than \$500,000?
 1. The largest account is \$1.3 million.
 2. One of the accounts is \$0.7 million.
- 6) Is X a prime number, given that X is a positive integer?
 1. $X^4 > 3000$
 2. $X^4 < 10,000$
- 7) What is the value of X , if X and Y are two distinct integers and their product is 30?
 1. X is an odd integer
 2. $X > Y$
- 8) Is m divisible by 6?
 1. m is divisible by 3
 2. m is divisible by 4
- 9) A, B, C, D have to stand in a queue in descending order of their heights. Who stands first?
 - I. D was not the last, A was not the first.
 - II. The first is not C and B was not the tallest.
- 10) What are the speeds two trains travels with 80 yards and 85 yards long respectively? (Assume that former is faster than later)
 - I. they take 75 seconds to pass each other in opposite direction.
 - II. they take 37.5 seconds to pass each other in same direction
- 11) Is w a Whole number?
 - I. $3w$ is an Odd number.
 - II. $2w$ is an Even number
- 12) An 8m rod is divided into 3 parts. Find the longest part out of 3 ?
 - I. Smallest 2.5 m
 - II. One of the division is 4.1 m

| | | |
|------|------|------|
| a. A | b. B | c. C |
| d. D | e. E | |

13)



Given O is the centre of the circle, ca and cb are tangents
What is the angle of acb ?

- I. angle aob = 70 degree
 - II. angle oac = angle obc
- a. A b. B c. C
d. D e. E

14) Does a person get 5000 as interest on a sum?

I. If he increases rate of interest by 5% he would get 200 more rupees

II. If the year doubles he might have gotten 500 more rupees

- a. A b. B c. C
d. D e. E

15) What will be the interest for Rs.5000?

I. If he Charges 2% more for the Sum of 5000 he gets 200 more

II. If he deposits half yearly for some years, he gets 500 more.

- a. A b. B c. C
d. D e. E

16) What is the value of xy?

I. $x^2 + y^2 = 16$

II. $x^2 - y^2 = 8$

- a. A b. B c. C
d. D e. E

17) How many 5 paisa coins does Mahesh have?

I. Mahesh has a collection of 5 paisa coins and 10 paisa coins valued at Rs.3.75

II. He has 6 more 10 paisa coins than 5 paisa coins

- a. A b. B c. C
d. D e. E

18) What is the ratio of the circumferences of a smaller circle to that of a larger circle?

I. The radius of larger circle is 6 inches

II. The radius of one circle is half the another

- a. A b. B c. C
d. D e. E

DATA INTERPRETATION

Study the following table and answer the questions based on it.
Expenditures of a Company (in Pesetas) per Annum Over the given Years.

1) What is the average amount of interest per year which the company had to pay during this period?

| Year | Item of Expenditure | | | | |
|------|---------------------|--------------------|-------|-------------------|-------|
| | Salary | Fuel and Transport | Bonus | Interest on Loans | Taxes |
| 1998 | 288 | 98 | 3.00 | 23.4 | 83 |
| 1999 | 342 | 112 | 2.52 | 32.5 | 108 |
| 2000 | 324 | 101 | 3.84 | 41.6 | 74 |
| 2001 | 336 | 133 | 3.68 | 36.4 | 88 |
| 2002 | 420 | 142 | 3.96 | 49.4 | 98 |

a. 32.43 b. 33.72 c. 34.18

2) Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?

- a. 62 c. 66
b. 69 d. 71

3) The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

- a. 0.1 c. 1.0
b. 0.5 d. 1.5

4) The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately?

- a. 4:7 c. 15:18
b. 10:13 d. 5:8

5) The total expenditure of the company over these items during the year 2000 is?

- a. 544.44 c. 446.46
b. 5.1.11 d. 478.87

BLOOD RELATIONS

1) A man pointing to a photograph says, "The lady in the photograph is my nephew's maternal grandmother." How is the lady in the photograph related to the man's sister who has no other sister?

- a. Mother c. Mother-in-law

b. Cousin

d. Sister-in-law

2) Pointing to a photograph, a lady tells Pramod, "I am the only daughter of this lady and her son is your maternal uncle." How is the speaker related to Pramod's father?

a. Wife

b. Cousin

c. Daughter

d. Sister-in-law

CODING-DECODING

1) If in a certain language FASHION is coded as FOIHSAN, how is PROBLEM coded in that code?

a. PELBROM

b. PRBOELM

c. PELBORM

d. RPBOELM

2) In a certain code, MONKEY is written as XDJMNL. How is TIGER written in that code?

a. SDFHS

b. QDFHS

c. SHFDQ

d. UJHFS

3) HERE = COMES - SHE, (Assume s = 8)
Find value of R + H + O

a. 10

b. 11

c. 15

d. 14

4) HOW + MUCH = POWER Then P + O + W + E + R = ?

a. 10

b. 11

c. 13

d. 12

5) GOOD is coded as 164 then BAD coded as 21. if ugly coded as 260 then JUMP?

a. 230

b. 240

c. 235

d. 236

6) If Ever + Since = Darwin then D + a + r + w + i + n is ?

a. 20

b. 21

c. 22

d. 23

7) USA + USSR = PEACE ; P + E + A + C + E = ?

a. 10

b. 11

c. 12

d. 13

8) If POINT + ZERO = ENERGY, then E + N + E + R + G + Y = ?

a. 15

b. 16

c. 17

d. 18

9) SEND + MORE = MONEY. Then what is the value of M + O + N + E + Y ?

a. 13

b. 14

c. 15

d. 16

10) Directions : Study the following information and answer the question given below:

In a certain code, the symbols for 0 (zero) is @ and for 1 is \$. There are no other symbols for all other number greater than one. The numbers greater than 1 are to be written only by using the two symbols given above. The value of the symbol for 1 doubles itself every time it shifts one place to the left. Study the following examples: '0' is written as @, '1' is written as #, '2' is written as #, '@' '3' is written as # #

'4' is written as #@@ and so on

1) Which of the following represents 14?

a. #@@@

b. ###@

c. ##@@

d. ##@#

2) In a certain language STORM is coded as KLGIE, How is MONSOON coded in the same language?

a. EGFKGGF

b. EGKFGGF

c. EGFKGFK

d. EGFKGFG

3) Leo + Lee = all. Find l + o + l if a=3. All letters represents number 0 to 9

a. 5

b. 8

c. 7

d. 6

SEATING ARRANGEMENTS

1) Eight Friends A, B, C, D, E, F, G and H are sitting around a circle, facing towards the center. D is between A and E. F is second to the left of E. B is between C and G. F is between G and H.

A. Who is fourth right of B?

a. H

b. D

c. A

d. None

B. In which of the following, Second person is the immediate left of first person ?

a. H,E

b. D,A

c. B,G

d. B,C

C. Which of the following is definitely true ?

a. D is second left of H

b. A is Second right of E

c. C is immediate right of G

d. E is immediate left of C

D. Who is immediate left of E ?

- a. D
b. A
E. Who is third right of G ?
a. E
b. A
- c. H
d. F
c. C
d. D

VENN DIAGRAMS

1) In a survey of 80 patients in a hospital, 20 were listed as taking apple juice, 30 as taking orange juice and 15 were listed as preferring both apple as well as orange juice. Find how many patients were taking neither apple juice nor orange juice?

- a. 45
b. 70
c. 65
d. 55

DIRECTION SENSE TEST

1) A girl leaves from her home. She first walks 30 metres in North-west direction and then 30 metres in South-west direction. Next, she walks 30 metres in South-east direction. Finally, she turns towards her house. In which direction is she moving?

- a. North-east
b. South-west
c. North-west
d. None of these
e. South-east

MOST LOGICAL CHOICE

1) Zachary has invited his three buddies over to watch the basketball game on his wide-screen television. They are all hungry, but no one wants to leave to get food. Just as they are arguing about who should make the food run, a commercial comes on for a local pizzeria that delivers. The phone number flashes on the screen briefly and they all try to remember it. By the time Zachary grabs a pen and paper, each of them recollects a different number.

#1: All of the men agree that the first three numbers are 995.

#2: Three of them agree that the fourth number is 9.

#3: Three agree that the fifth number is 2.

#4: Three agree that the sixth number is 6; three others agree that the seventh number is also 6.

Which of the numbers is most likely the telephone number of the pizzeria?

- a. 995-9266
b. 995-8266
c. 995-9268
d. 995-9336

2) The film director wants an actress for the lead role of Lucy who perfectly fits the description that appears in the original screenplay. He is not willing to consider actresses who do not resemble the character as she is described in the screenplay, no matter how talented they are. The screenplay describes Lucy as an average-sized,

forty something redhead, with deep brown eyes, very fair skin, and a brilliant smile. The casting agent has four actresses in mind.

Actress #1 is a stunning red-haired beauty who is 5'9" and in her mid-twenties. Her eyes are brown and she has an olive complexion.

Actress #2 has red hair, big brown eyes, and a fair complexion. She is in her mid-forties and is 5'5".

Actress #3 is 5'4" and of medium build. She has red hair, brown eyes, and is in her early forties.

Actress #4 is a blue-eyed redhead in her early thirties. She's of very slight build and stands at 5'.

Which two actresses should the casting agent send to meet the director?

- a. 1,2
b. 1,4
c. 2,3
d. 2,4

3) The film director wants an actress for the lead role of Lucy who perfectly fits the description that appears in the original screenplay. He is not willing to consider actresses who do not resemble the character as she is described in the screenplay, no matter how talented they are. The screenplay describes Lucy as an average-sized, forty something red head, with deep brown eyes, very fair skin, and a brilliant smile and also have acted as sub role in film or in main role in drams.

If the candidate qualifies for all the conditions, she will have an interview with the director.

If the candidate qualifies for all the above characters but has not acted in drams or films, then she will have her interview with the assistant director.

- Preethi has red hair, big brown eyes and a fair complexion. She is in her mid-forties and is 5'5". Had not acted in movies or dramas
 - Interview with director
 - Interview with assistant director
 - Rejected
 - Data insufficient
- Susmitha is a blue-eyed redhead in her early thirties. She is of very slight build and stands at 5'. She has not acted in movies or dramas
 - Interview with director
 - Interview with assistant director
 - Rejected
 - Data insufficient
- Rani is a stunning red-haired beauty who is 5'9" and in her mid-twenties. Her eyes are brown and she has an olive complexion. Have acted in leading role in "mahabartam" drama.
 - Interview with director
 - Interview with assistant director
 - Rejected
 - Data insufficient
- Aishwariya is 5'4" and of medium build. She has red hair, brown eyes, and is in her early forties. Have acted in sub roles in many films
 - Interview with director
 - Rejected

b. Interview with assistant director d. Data insufficient

4) For the post of Business Manager of Sales & Operation department in London following are the eligibility criteria:

- I. Candidate should have M.B.A degree.
- II. Should have more then 4 to 7 Years of experience.
- III. Having good Customer base and geographical knowledge.
- IV. Having fair idea about Ocean & Air Movements, Capable to handle the Global RFQs.
- V. Candidate should be from Freight Forwarding company, MNC & local candidate is preferred.
- VI. Experience in Air & Ocean Import & Export product

If the candidate satisfies first and last criteria and having less than 4 years of experience will have 2 rounds of interview with management team. If the candidate satisfies first, second and last criteria will get spot appointment. If the candidate satisfies only first three criteria will have written test followed by 2 rounds of interview.

- A. Lalina 25 year old lady who had completed her master degree in business administration with sound knowledge about oceans and geography
 - a. Interview with Management team
 - b. Got appointment
 - c. Written test with 2 rounds of interview
 - d. Rejected
 - e. Data inadequate
- B. Raj an MBA graduate having 5 years of experience as business manager with good customer based and geographical knowledge
 - a. Interview with Management team
 - b. Got appointment
 - c. Written test with 2 rounds of interview
 - d. Rejected
 - e. Data inadequate
- C. Raju an MBA graduate who has a 5 years of experience in ocean import and Export Company with fair knowledge on his field.
 - a. Interview with Management team
 - b. Got appointment
 - c. Written test with 2 rounds of interview
 - d. Rejected
 - e. Data inadequate
- D. Ravi completed MBA in London and worked as a business manager in leading Air and ocean Import and Export Product Company for 2 years and has fair knowledge in ocean
 - a. Interview with Management team
 - b. Got appointment

- c. Written test with 2 rounds of interview
- d. Rejected
- e. Data inadequate

5) For the post of a manager of a leading call centre –Arkade Inc. - situated in Ludhiana, the following are the criteria the candidate must satisfy :

1. The candidate should have a Management Degree.
2. The candidate should have at least 4 years of similar experience at another call center.
3. The candidate should be more than 30 years of age as on the 1st of July 2003.
4. The candidate should have 6 months of international exposure, i.e. should have been posted in a foreign country .

If a candidate does not satisfy the 1st condition but has more than 2 years of international experience, then the VP operations, will interview him.If a candidate does not satisfy the 4th condition, then the HR manager will interview him.

- A. Salina has over 4 years of experience in Care Touch, a leading call center, as a manager. She completed her MBA from Ranchi and worked in Singapore for UNO for 2 years before joining Care Touch. She will be:
 - a. Recruited
 - b. Interviewed by the VP Operations
 - c. Rejected
 - d. Data insufficient
- B. Shakuntala was selected for a managerial position in an international call center after she passed out from AIM Management Institute. After working for 3 years in the call center, she took a sabbatical. She is 29 years of age as on the date of application. She will be:
 - a. Interviewed only by the HR
 - b. Interviewed only by the VP
 - c. Rejected
 - d. Data insufficient
- C. Rajiv has been working as a Manager in Zephyr Inc. for 4 years now. He is an Engineering graduate from a premier engineering institute. His certificate lists his date of birth as 17/12/1974. He has worked in the hotel industry at the executive level. He is:
 - a. Give an aptitude test
 - b. Interviewed by the VP
 - c. Data insufficient
 - d. Not considered
- D. Soma has 2 years of experience in Welsh Inc. and 2 years of experience in Franc Inc., both leading call centers, as a manager. She has a management degree from a premier management organization. She turned 30 this December (2002). She is a B.Com Graduate from St. Xavier's, Calcutta. If she applies for the post, she will:
 - a. Be interviewed directly by the VP Operations
 - b. Not be considered

- c. Be interviewed by the HR
- d. Have to give an aptitude test

- 6) For the post of a constable the following are the criteria the candidate must satisfy
Height-1.67mtrs, Weight-51.5Kgs, Chest-79 cms with a minimum expansion of 5 cms
The candidates must not be less than 20 years and not more than 27 years (i.e born not earlier than 02-01-1986 and not later than 01-01-1993). Upper Age limit is relaxable by 5 years for SC/ST and by 3 years for OBC candidates of West Bengal only
A degree of a recognized university or its equivalent.
The candidate who satisfies all the above condition have written test followed by training.
The candidate who satisfies all the above condition and have experience as watch man are selected directly.
- A. Arun who is an graduate of M.A (economics) has height of 1.69 mtrs and weight of 53 kg, chest -79 and he has born at 20-09-1987, with OBC certificate.
- a. will be selected directly
 - b. written test followed by the training
 - c. rejected
 - d. data inadequate
- B. Varun who has the qualification of higher secondary education and satisfies all the above conditions and have work experience of 3 years as security .
- a. will be selected directly
 - b. written test followed by the training
 - c. rejected
 - d. data inadequate
- C. Sumanth who has 3 years of work experience as watch man and moreover he is an graduate of an recognized university as on 2010.
- a. will be selected directly
 - b. written test followed by the training
 - c. rejected
 - d. data inadequate
- 7) Eileen is planning a special birthday dinner for her husband's 35th birthday. She wants the evening to be memorable and like to present a gift which is always with him, but her husband is a simple man who would rather be in jeans at a baseball game than in a suit at a fancy restaurant.
- A. Which restaurant below should Eileen choose?
- a. Alfredo's offers fine Italian cuisine and an elegant Tuscan decor. Patrons will feel as though they've spent the evening in a luxurious Italian villa.
 - b. Pancho's Mexican Buffet is an all-you-can-eat family style smorgasbord with the best tacos in town.

- c. The Parisian Bistro is a four-star French restaurant where guests are treated like royalty. Chef Dilbert Olay is famous for his beef bourguignon.
 - d. Marty's serves delicious, hearty meals in a charming setting reminiscent of a baseball clubhouse in honor of the owner, Marty Lester, a former major league baseball all-star
- Correct Option Is : d
- B. What kind of gift should she preferred for her husband?
- a. beautiful flowers
 - b. ring
 - c. watch
 - d. safari
- 8) Mark is working with a realtor to find a location for the toy store he plans to open in his town. He is looking for a place that is either in, or not too far from the center of town and one that would attract the right kind of foot traffic. Which of the following locations should Mark's realtor call to his attention?
- a) a storefront in a new high-rise building near the train station in the center of town whose occupants are mainly young, childless professionals who use the train to commute to their work.
 - b) a little shop three blocks away from the town's main street, located across the street from an elementary school and next door to an ice cream
 - c) a stand-alone storefront on a quiet residential street ten blocks away from the town's center
 - d) a storefront in a small strip mall located on the outskirts of town that is also occupied by a pharmacy and a dry cleaner
- 9) The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely.
Which situation should the recess aides report to the principal?
- a. A girl is sitting glumly on a bench reading a book and not interacting with her peers.
 - b. Four girls are surrounding another girl and seem to have possession of her backpack.
 - c. Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
 - d. Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.
- 10) Dr. Miller has a busy pediatric dentistry practice and she needs a skilled, reliable hygienist to keep things running smoothly. The last two people she hired were recommended by top dentists in the area, but they each lasted less than one month. She is now in desperate

need of a hygienist who can competently handle the specific challenges of her practice.

Which one of the following candidates should Dr. Miller consider most seriously?

- a. Marilyn has been a hygienist for fifteen years, and her current employer, who is about to retire, says she is the best in the business. The clientele she has worked with consists of some of the wealthiest and most powerful citizens in the county.
- b. Lindy recently graduated at the top of her class from one of the best dental hygiene programs in the state. Prior to becoming a dental hygienist, Lindy spent two years working in a day care center.
- c. James has worked as a dental hygienist for three years in a public health clinic. He is very interested in securing a position in a private dental office.
- d. Kathy is an experienced and highly recommended dental hygienist who is also finishing up a degree in early childhood education, which she hopes will get her a job as a preschool teacher. She is eager to find a job in a pediatric practice, since she has always wanted to work with children.

11) Mrs. Jansen recently moved to Arizona. She wants to fill her new backyard with flowering plants. Although she is an experienced gardener, she isn't very well-versed in what plants will do well in the Arizona climate. Also, there is a big tree in her backyard making for shady conditions and she isn't sure what plants will thrive without much direct sunlight. Her favorite gardening catalog offers several backyard seed packages.

Which one should Mrs. Jansen choose?

- a. The Rainbow Collection is ideal for North-east gardens. It includes a variety of colorful perennials that thrive in cool, moist conditions.
- b. The Greenhouse Collection will blossom year after year if planted in brightly lit locations and watered regularly.
- c. The Tree house Collection will provide lush green plants with delicate colorful flowers that thrive in shady and partially shady locations.
- d. The Oasis Collection includes a variety of perennials that thrive in dry climates and bright sunlight.

12) The neighborhood block association has received many complaints about people knocking on doors and soliciting money for an unknown charity organization even though door-to-door solicitation is prohibited by local laws. Three residents have provided descriptions of individuals who have come to their door asking for money.

Solicitor 1 is a white male, 20-25 years old, 5'9", 145 pounds, with very short brown hair. He was wearing a dark blue suit and carrying a brown leather briefcase.

Solicitor 2 is a white male, 25-30 years old, 6'2", 200 pounds, with a shaved-head. He was wearing a red T-shirt and jeans.

Solicitor 3 is a white male, approximately 23 years old, 5'10", slight build, with short brown hair. He was wearing a blue suit.

Three days after the block association meeting, a resident noticed a man knocking on doors in the neighborhood and phoned the police to report the illegal activity. This solicitor was described as follows:

Solicitor 4 is a white male, 22 years old, 140 pounds, about 5'10", with short brown hair. He was carrying a briefcase and wearing a dark suit.

Based on this description, which of the three solicitations was also likely carried out by Solicitor 4?

- a. 1, 2 and 3
- b. 1 and 3
- c. 1
- d. 1 and 2

13) Rita, an accomplished pastry chef who is well known for her artistic and exquisite wedding cakes, opened a bakery one year ago and is surprised that business has been so slow. A consultant she hired to conduct market research has reported that the local population doesn't think of her shop as one they would visit on a daily basis but rather a place they'd visit if they were celebrating a special occasion.

Which of the following strategies should Rita employ to increase her daily business

- a. making coupons available that entitle the coupon holder to receive a 25% discount on wedding, anniversary, or birthday cakes
- b. exhibiting at the next Bridal Expo and having pieces of one of her wedding cakes available for tasting
- c. placing a series of ads in the local newspaper that advertise the wide array of breads
- d. moving the bakery to the other side of town

PASSAGE AND INFERENCE

1) Smoking is very injurious to health. Not only the smoker but also the individuals surrounding them can be harmed by tobacco smoke. Children are put at further risk since they are three times likely to smoke if their parents do. One out of every two smokers who start smoking at a young age and continue throughout their lives will ultimately be killed by tobacco related diseases. With prolonged smoking, smokers have a death rate about three times higher than non-smokers at all ages. Stopping smoking decreases health risks associated with tobacco use. It can decrease the burden of diseases

such as heart or respiratory diseases. There are clear health benefits including a longer life even for those who quit smoking at the age of 60 and above.

- A. Smokers who start smoking at an early age are less likely to quit smoking.
a. inference is definitely true. d. inference is probably false
b. inference is probably true e. inference is definitely false
c. inference cannot be determined.
- B. Non-smokers who are victims of passive smoking have one-third death rate as compared to smokers.
a. inference is definitely true. d. inference is probably false
b. inference is probably true e. inference is definitely false
c. inference cannot be determined.
- C. Non-smoking adults who surround smokers constantly are less likely to be harmed.
a. inference is definitely true. d. inference is probably false
b. inference is probably true e. inference is definitely false
c. inference cannot be determined.
- D. If parents stop smoking, then their children are less likely to give up smoking.
a. inference is definitely true. d. inference is probably false
b. inference is probably true e. inference is definitely false
c. inference is cannot be determined.
- E. Quitting smoking at an old age does not reduce the chances of health risks.
a. inference is definitely true. d. inference is probably false
b. inference is probably true e. inference is definitely false
c. inference is cannot be determined.

2) Construction industry in India has always had a special position. We have proved that India is in tune with the times and has not left any stone untouched to compete against the best in industrial market. Yet, it is the time when other powers are paying attention in developing this sector according to the international status. Foundation of an economy lies in its infrastructure. Construction industry has to play a vital role in road, house construction, ports, railways and others. Labor-intensive Indian construction industry has to pass through acute changes. It has to face challenges like advanced designing, growth of work in lesser time, better mechanization and intensive construction prevalent in other developed countries. The emphasis should be laid on adoption of modern technologies and high quality in less time.

- A. The construction industries of developed countries is of better quality than India.
a. inference is definitely true. d. inference is probably false
b. inference is probably true. e. inference is definitely false.

- c. inference is cannot be determined.
- B. Construction industries in India has been labor oriented since years.
a. inference is definitely true. d. inference is probably false
b. inference is probably true. e. inference is definitely false.
c. inference is cannot be determined.
- C. The Indian construction companies have to establish themselves in the international market.
a. inference is definitely true. d. inference is probably false.
b. inference is probably true. e. inference is definitely false.
c. inference is cannot be determined.
- D. Indian construction companies can put their gain to maximum by adopting modern equipments and by reducing time of project.
a. inference is definitely true. d. inference is probably false
b. inference is probably true. e. inference is definitely false.
c. inference is cannot be determined.
- E. The policy makers in India have failed to understand the importance of construction industry.
a. inference is definitely true. d. inference is probably false.
b. inference is probably true. e. inference is definitely false.
c. inference is cannot be determined.

3) Cotton acreage in India has fallen by 10% during the current year as the cotton growers have shifted to growing other cash crops. This is due to the excess supply of cotton in world markets after August, 2010 and the consequent of slowdown in the world economy. But this scenario proved to be beneficial for the yarn manufacturers as they get higher price for their products. Some yarn manufacturers had stocked-up low priced cotton in the previous year. The combined effect of all this is evident in the rise in net profits of yarn manufacturers.

- A. The land used for growing cotton in India is conducive to grow other cash crops.
a. inference is definitely true. d. inference is probably false.
b. inference is probably true e. inference is definitely false.
c. inference is cannot be determined.
- B. The yarn manufacturers have marginally suffered during post-August 2010 period.
a. inference is definitely true. d. inference is probably false.
b. inference is probably true e. inference is definitely false.
c. inference is cannot be determined.
- C. There has been a huge drop in the supply of cotton during the current year.
a. inference is definitely true d. inference is probably false.
b. inference is definitely false e. inference is probably true.
c. inference is cannot be determined.

- D. There has been a shortage of cotton in the world market last year.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false.
 c. inference is cannot be determined.
- E. World economy witnessed an upward trend during pre-August 2010 period.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false
 c. inference is cannot be determined.

4) Air pollution leads to slow death. Regular exposure to vehicular and industrial pollution leads to life threatening diseases like asthma, cancer, heart diseases and many more disorders. The vehicular and industrial pollution is growing rapidly not only in the metropolitan cities but also in small towns and villages. This is because the western technological models, built on heavy use of energy, are highly toxic. They produce a huge amount of pollutants which can be controlled only if there is a proper choice of technology and considerable discipline in its use.

- A. The air pollution in foreign countries is more than that in India.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false
 c. inference is cannot be determined.
- B. Proper planning in use of modern technologies leads to reduction in air pollution.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false
 c. inference is cannot be determined.
- C. The industries which use higher level of energy create more air pollution.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false
 c. inference is cannot be determined.
- D. The smaller industrial units contribute proportionately to higher air pollution.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false
 c. inference is cannot be determined.
- E. The spread of air pollution has increased rapidly in the recent past.
 a. inference is definitely true d. inference is probably false.
 b. inference is probably true. e. inference is definitely false
 c. inference is cannot be determined.

CUBE AND CUBOIDS

1) A cube is divided into 729 identical cubelets. Each cut is made parallel to some surface of the cube . But before doing that the cube is colored with green color on one set of adjacent faces ,red on the other set of adjacent faces, blue on the third set. So, how many cubelets are there which are painted with exactly one color?

- a. 288 c. 296
 b. 292 d. 294

2) 125 small but identical cubes are put together to form a large cube. This large cube is now painted on all six faces.

A. How many of the smaller cubes have no face painted at all.

- a. 27 c. 8
 b. 64 d. 36

B. How many of the smaller cubes have exactly three faces painted?

- a. 98 c.100
 b. 95 d. 96

C. How many of the smaller cubes have atleast one side painted?

- a. 4 c. 9
 b. 8 d. 27

SEQUENCE AND SERIES

1) What is the next number of the following sequence 7, 14, 55, 110,?

- a. 198 c. 154
 b. 121 d. 157

2) Find the next term in the given series 47, 94, 71, 142, 119, 238, _ ?

- a. 331 c. 215
 b. 360 d. 340

3) b, x, e, u, h, _?

- a. z c. r
 b. w d. t

4) 3, 5, 11, 29, 83, 245, _ ?

- a. 486 c. 733
 b. 543 d. 327

5) 4, 6, 10, 14, 22, 26, 34, 38, _ ? what is next term in the series.

- a. 55 c. 57
 b. 56 d. 58

6) y, _, q, m, i

- a. w
- b. u

- c. t
- d. l

7) What is the next number in the series 3, 7, 13, 19....

- a. 29
- b. 30

- c. 31
- d. 32

8) What are the next three terms in the series 3, 6, 7, 12, 13, 18, 19, 24, _ _ _?

- a. 25, 30, 31
- b. 27, 56, 98

- c. 28, 54, 102
- d. None of these

9) What is the next number in the series. a, b, d, h, _?

- a. P
- b. Q

- c. r
- d. S

10) Find the letter that comes in the place of " - " : b, _, d, d, e, d, f, g, d.

- a. E
- b. F

- c. c
- d. d

11) 3,4,7,10,13,16,19,22, . . . Find 10th term in series

- a. 27
- b. 28

- c. 29
- d. 30

12) a,d,i,p,? what is next term?

- a. p
- b. q

- c. s
- d. y

13) 16, 36, 100, 324, _ ? Find the next term.

- a. 1156
- b. 2543

- c. 1124
- d. 1347

14) What is the next number of the following sequence 7, 14, 55, 110, _ ?

- a. 120
- b. 121

- c. 119
- d. 122

15) Next term in series 3, 32, 405, _

- a. 6244
- b. 6144

- c. 6344
- d. 6044

16) Complete the series..
2 2 12 12 30 30 ?

- a. 56
- b. 72

- c. 54
- d. 52

17) 1, 11, 21, 1211, 111221, 312211, what is the next term in the series?

- a. 11312221
- b. 13112221

- c. 13122112
- d. 13112222

18) Find the 8th term in series?

2, 2, 12, 12, 30, 30, - - - -

- a. 48
- b. 50

- c. 52
- d. 56

19) Find the next three terms of the series;

1, 4, 9, 18, 35 - - - -

- a. 66,124,244
- b. 72,144,512

- c. 68, 133, 262
- d. 66,110,198

20) What is the 8th term in the series 1, 4, 9, 18, 35, 68, . . .

- a. 131
- b. 262

- c. 133
- d. 135

21) 1, 1, 2, 3, 6, 7, 10, 11,?

- a. 12
- b. 13

- c. 14
- d. 15

22) 97, 86, 73, 58, 45, (?)

- a. 34
- b. 36

- c. 38
- d. 40

23) 12, 32, 72, 152,

- a. 312
- b. 325

- c. 515
- d. 613

24) 3, 5, 9, 15, 25, ?

- a. 39
- b. 40

- c. 41
- d. 42

NUMBER ANALOGIES

1) 7528 : 5306 :: 4673 : ?

- a. 2367
- b. 2451

- c. 2531
- d. 2489

CLOCKS

1) Supposing a clock takes 7 seconds to strike 7. How long will it take to strike 10?

- a. 1 hour
- b. 2 hours

- c. 3 hours
- d. 4 hours

PERMUTATIONS AND COMBINATIONS

1) 5 cars are to be parked in 5 parking slots. there are 3 red cars, 1 blue car and 1 green car. In how many ways the car can be parked?

- a. 10
- b. 25
- c. 20
- d. 30

2) A set of football matches is to be organized in a "round-robin" fashion, i.e., every participating team plays a match against every other team once and only once. If 21 matches are totally played, how many teams participated?

- a. 6
- b. 9
- c. 8
- d. 7

3) There are 16 hockey teams. find :

Number of matches when knockout of 16 team is to be played

- a. 14
- b. 15
- c. 16
- d. 17

4) 15 tennis players take part in a tournament. Every player plays twice with each of his opponents. How many games are to be played?

- a. 190
- b. 200
- c. 225
- d. 210
- e. 220

5) If a refrigerator contains 12 cans such that 7 blue cans and 5 red cans. In how many ways can we remove 8 cans so that atleast 1 blue can and 1 red can remains in the refrigerator.

- a. 450
- b. 455
- c. 544
- d. 500

6) In a cycle race there are 5 persons named as J, K, L, M, N participated for 5 positions so that in how many number of ways can M make always before N

- a. 60
- b. 70
- c. 80
- d. 90

7) How many three digit numbers abc are formed where at least two of the three digits are same.

- a. 224
- b. 234
- c. 252
- d. 200

8) In a cycle race there are 5 persons named as J,K,L,M,N participated for 5 positions so that in how many number of ways can M finishes always before N?

- a. 55
- b. 57
- c. 69
- d. 60

9) If a refrigerator contains 12 cans such that 7 blue cans and 5 red cans. In how many ways can we remove 8 cans so that atleast 1 blue can and 1 red can remains in the refrigerator.

- a. 467
- b. 489
- c. 455
- d. 469

10) There are 16 people, they divide into four groups, now from those four groups select a team of three members, such that no two members in the team should belong to same group.

- a. 256
- b. 245
- c. 287
- d. 265

11) How many five digit numbers are there such that two left most digits are even and remaining are odd and digit 4 should not be repeated.

- a. 2567
- b. 2375
- c. 2875
- d. 3765

12) 7 people have to be selected from 12 men and 3 women, Such that no two women can come together. In how many ways we can select them?

- a. 2772
- b. 2654
- c. 2975
- d. 2764

13) Tennis players take part in a tournament. Every player plays twice with each of his opponents. How many games are to be played?

- a. 287
- b. 266
- c. 210
- d. 254

14) Find the no of ways in which 6 toffees can be distributed over 5 different people namely A, B, C, D, E.

- a. 54
- b. 55
- c. 57
- d. 56

15) A shop has 4 shelf, 3 wardrobes, 2 chairs and 7 tables for sell. You have to buy

- a. 1 shelf
 - b. either 1 chair or 1 table
 - c. 1 wardrobe
 - d. 112
- How many selections can be made?

b. 108

d. 110

16) How many ways can one arrange the word EDUCATION such that a relative position of vowels and consonants remains same?

a. 2884

c. 2886

b. 2880

d. 2889

17) There are 8 digits and 5 alphabets. In how many ways can you form an alphanumeric word using 3 digits and 2 alphabets?

a. 12984

c. 43200

b. 23433

d. 23412

18) A college has 10 basketball players. A 5-member team and a captain will be selected out of these 10 players. How many different selections can be made?

a. 1260

c. $10C6 \times 6!$

b. 210

d. $10C5 \times 6$

19) 6 members have to be selected from different field. 10 from java, 5 from Microsoft, 8 from Oracle, 2 from IBM. What is the possible combination?

a. 148000

c. 158000

b. 168000

d. 178000

ALLIGATIONS AND MIXTURES

1) How many kgs of wheat costing Rs.24/- per kg must be mixed with 30 kgs of wheat costing Rs.18.40/- per kg so that 15% profit can be obtained by selling the mixture at Rs.23/- per kg?

a. 10

c. 12

b. 11

d. 13

2) There are two containers on a table. A and B. A is half full of wine, while B, which is twice A's size, is one quarter full of wine. Both containers are filled with water and the contents are poured into a third container C. What portion of container C's mixture is wine?

a. 50 % of wine

c. 16.66% of wine

b. 33.33 % of wine

d. 75% of wine

3) A rice with price 126 per kg. A rice with 135 per kg is mixed with another rice in the ratio 1:1:2. If the mixed rice is rs.153 per kg. What is the price of third variety of rice.

a. 130.50

c. 153.00

b. 175.50

d. 165.50

PARTNERSHIP

1) 'A' and 'B' started a business in partnership investing Rs 20000/- and Rs 15000/- respectively. After six months 'C' jointed them with Rs 20000/-. What will be B's share in the total profit of Rs 25000/- earned at the end of two years from the starting of the business?

a. 6000

c. 8000

b. 7500

d. 8500

PROBABILITY

1) A Jar contains 18 balls. 3 blue balls are removed from the jar and not replaced. Now the probability of getting a blue ball is $\frac{1}{5}$ then how many blue balls jar contains initially ?

a. 6

c. 8

b. 9

d. 7

2) There are 1000 junior and 800 senior students in a class. And there are 60 sibling pairs where each pair has 1 junior and 1 senior. 1 student is chosen from senior and 1 from junior randomly. What is the probability that the two selected students are from a sibling pair?

a. $\frac{7140}{800000}$

c. $\frac{7240}{800000}$

b. $\frac{800000}{7140}$

d. $\frac{7340}{800000}$

3) Rohit buys 12 bulbs out of which 6 are defective, his brother chooses 3 bulbs at random for three sockets in a room. Find the probability that the room is lighted.

a. 0.7

c. 0.9

b. 0.8

d. 1.0

4) The probability of Ronaldo shooting a goal is $\frac{3}{4}$. He takes 5 shots on the goal. What is the probability that he shoots a goal atleast 3 times?

a. $\frac{291}{364}$

d. $\frac{459}{512}$

b. $\frac{371}{464}$

e. $\frac{3}{5}$

c. $\frac{471}{502}$

5) A group of 4 members are selected from a group of 3 trainees. 3 of them are engineers and 5 of them are managers. What is the probability that exactly 3 are managers to get selected?

a. $\frac{5}{7}$

c. $\frac{3}{7}$

b. $\frac{4}{7}$

d. $\frac{6}{7}$

6) There are 10 pens out of which 4 are defective. If 3 pens are chosen at random what is the probability of choosing 1 as defective?

a. $\frac{2}{6}$

c. $\frac{1}{6}$

b. $5/6$

d. $3/6$

ALGEBRA

1) How many boys are there in the class if the number of boys in the class is 8 more than the number of girls in the class, which is five times the difference between the number of girls and boys in the class.

- a. 30
- b. 42

- c. 40
- d. 45

2) Mr. T has a wrong weighing pan. One arm is lengthier than other. 1 kilogram on left balances 8 melons on right, 1 kilogram on right balances 2 melons on left. If all melons are equal in weight, what is the weight of a single melon.

- a. 220g
- b. 230g

- c. 200g
- d. 210g

3) a, b, b, c, c, c, d, d, d, d, Find the 288th letter of this series.

- a. X
- b. Y

- c. z
- d. w

4) Lucia is a wonderful grandmother and her age is between 50 and 70. Each of her sons have as many sons as they have brothers. Their combined number gives Lucia's present age. What is the age?

- a. 56
- b. 64

- c. 60
- d. 61

5) Reversing the digits of father's age we get son's age. One year ago father was twice the age of that of his son? find their current ages?

- a. F = 54 , S = 45
- b. F = 71 , S = 17

- c. F = 62 , S = 26
- d. F = 73 , S = 37

6) Joe's age, Joe's sister's age and Joe's father's age sums up to a century. When son is as old as his father, Joe's sister will be twice as old as now. When Joe is as old as his father then his father is twice as old as when his sister was as old as her father. What is the age of her father?

- a. 56
- b. 58

- c. 50
- d. 57

7) An arithmetic progression or AP is a sequence where the difference between two successive terms is always a constant. The sum of 3 consecutive terms of an AP is 27 and the product of these 3 terms is 704. The first term of this AP is

- a. 9
- b. $22/3$
- c. $23/3$

- d. $28/3$
- e. None of these

8) A and B together have Rs. 1210. If $4/15$ of A's amount is equal to $2/5$ of B's amount, how much amount does B have?

- a. 460
- b. 560

- c. 484
- d. 684

9) $x^2 - y^2 = 16$, $x + y = 2$ find xy .

- a. $xy = 15$
- b. $xy = -15$

- c. $xy = 16$
- d. $xy = -16$

10) $(x^2y^3 - xy) / (x^2y) = ?$
where $x=5, y=2$

- a. $19/10$
- b. $19/5$

- c. $5/19$
- d. None Of the above

11) $x^2 - y^2 = 14$, $x + y = 4$ find xy

- a. $15/4$
- b. $16/15$

- c. $15/16$
- d. $1/4$

12) $x^2 + y^2 = 16$, $x - y = 9$ then xy ?

- a. -7
- b. 1

- c. -8
- d. 8

13) $x^2 - y^2 = 16$, $x + y = 4$ Find the value of xy ?

- a. 0
- b. 1

- c. 2
- d. 3

14) $x^2 - y^2 = 9$, $x + y = 5$ find xy ?

- a. $25/136$
- b. $17/5$

- c. $8/5$
- d. $136/25$

15) what is the value of xy ? If $x^2 - y^2 = 16$, $x + y = 8$

- a. 3
- b. 5

- c. 7
- d. 15

16) $x^3y^3 - x^2y / x^2y^3 = ?$ if $x=3, y=4$

- a. Approx 2
- b. 2

- c. Approx 3
- d. 3

TIME, SPEED AND DISTANCE

1) Jack and Jill went up and down a hill. They started from the bottom and Jack met Jill again 20 miles from the top while returning. Jack completed the race 1 min ahead of Jill. If the hill is 440 miles

high and their speed while down journey is 1.5 times the up journey. How long it took for the Jack to complete the race?

- a. 12.6mins
- b. 12.8mins
- c. 12.4mins
- d. 12.2mins

2) Jake left point A for point B. 2 hours and 15 minutes later, Paul left A for B and arrived at B at the same time as Jake. Had both of them started simultaneously from A and B travelling towards each other, they would have met in 120 minutes. How much time (hours) did it take for the slower one to travel from A to B if the ratio of speeds of the faster to slower is 3:1?

- a. 4 hours 15 minutes
- b. 3 hours 20 minutes
- c. 4 hours
- d. 3 hours

3) A dog takes 4 leaps for every 5 leaps of hare but 3 leaps of dog is equal to 4 leaps of hare compare speed?

- a. 13: 15
- b. 15:17
- c. 16:15
- d. None of these

4) Albert and Fernandes have two leg swimming race. Both start from opposite ends of the pool. On the first leg, the boys pass each other at 18 m from the deep end of the pool. During the second leg they pass at 10 m from the shallow end of the pool. Both go at constant speed but one of them is faster. Each boy rests for 4 seconds at the end of the first leg. What is the length of the pool?

- a. 34 m
- b. 24 m
- c. 35 m
- d. 44 m

5) A train covered a distance at a uniform speed .if the train had been 6 km/hr faster it would have been 4 hour less than schedule time and if the train were slower by 6 km/hr it would have been 6 hours more. Find the distance.

- a. 720 km
- b. 700 km
- c. 600 km
- d. 590 km

6) A train leaves Meerut at 5 a.m. and reaches Delhi at 9 a.m. Another train leaves Delhi at 7 a.m. and reaches Meerut at 10.30 a.m. At what time do the two trains travel in order to cross each other?

- a. 7:56 am
- b. 7:50 am
- c. 7:30 am
- d. 7:36 am

7) A train goes from stations A to B. One day there is a technical problem at the very beginning of the journey & hence the train travels at $\frac{3}{5}$ of it's original speed and so it arrives 2 hours late. Had the problem occurred after 50 miles had been covered, the train would

have arrived 40 min earlier(i.e., only $120-40 = 80$ min late). What is the distance between the 2 stations?

- a. 150 miles
- b. 160 miles
- c. 170 miles
- d. 180 miles

8) A, B and C start running around the circle from the same point, in the same direction and at the same time. The total distance is 1200 m. The speed is 3 kmph, 9 kmph, 27kmph. How long does it take for them to meet for the first time?

- a. 1440s
- b. 180s
- c. 720s
- d. 240s

9) A, B and C start running around the circle from the same point, in the same direction and at the same time. The total distance is 1200 m. The speed is 9 kmph, 27 kmph, 45 kmph. How long does it take for them to meet for the first time?

- a. 360s
- b. 480s
- c. 150s
- d. 240s

10) A, B and C start running around the circle from the same point, in the same direction and at the same time. The total distance is 1200 m. The speed is 9 kmph, 27 kmph, 15 kmph. How long does it take for them to meet for the first time?

- a. 360s
- b. 1440s
- c. 720s
- d. 240s

TIME AND WORK

1) 12 persons can complete the work in 18 days. after working for 6 days, 4 more persons added to complete the work fast. in how many more days they will complete the work?

- a. 9
- b. 8
- c. 7
- d. 10

2) There are three trucks A, B, C. A loads 10 kg/min. B loads $13\frac{1}{3}$ kg/min. C unloads 5 kg/min. If three simultaneously works then what is the time taken to load 2.4 tones?

- a. 115mins
- b. 130mins
- c. 134mins
- d. 132mins

3) A completes a work in 2 days, B in 4 days, C in 9 and D in 18 days. They form group of two such that difference is maximum between them to complete the work. What is difference in the number of days they complete that work?

- a. 14 days
- b. $14\frac{1}{3}$ days
- c. 15 days
- d. 16 days

NUMBERS

- 1) How many numbers are divisible by 4 between 1 to 100
 - a. 24
 - b. 23
 - c. 22
 - d. 25
- 2) Find the unit digit of product of the prime number up to 50 .
 - a. 0
 - b. 2
 - c. 4
 - d. 8
- 3) How many five digit numbers are there such that two left most digits are even and remaining are odd.
 - a. 2375
 - b. 2300
 - c. 2475
 - d. 2378
- 4) $13_46_8_180_210_75 = 64$. Use + and - in the empty places to make the equation holds good. Take m = number of + and n = number of - . Find m - n?
 - a. 1
 - b. 0
 - c. -1
 - d. 2
- 5) Rahul took part in a cycling game $\frac{1}{5}$ were ahead of him and $\frac{5}{6}$ were behind him then total number of participants are ?
 - a. 28
 - b. 29
 - c. 30
 - d. 31
- 6) How many 4 digit numbers contain number 2.
 - a. 3170
 - b. 3172
 - c. 3174
 - d. 3168
- 7) How many numbers are divisible by 4 between 1 to 100
 - a. 24
 - b. 25
 - c. 26
 - d. 27
- 8) $(11111011)_2 = ()_8$
 - a. 340
 - b. 373
 - c. 356
 - d. 387
- 9) $161?85?65?89 = 100$, then use + or - in place of ? and take + as m, - as n then find value of m-n.
 - a. 1
 - b. -2
 - c. 3
 - d. -1
- 10) Find the unit digit of product of the prime number up to 50.
 - a. 0
 - b. 1
 - c. 2
 - d. 3

- 11) If $\lceil x^{1/3} \rceil - \lceil x^{1/9} \rceil = 60$ then find the value of x.
- | | |
|-------|-------|
| a. 53 | c. 49 |
| b. 74 | d. 54 |

- 12) $x^2 - y^2 = 16$ and $xy = 15$ so find out $x + y$?
 a. 5 c. 6
 b. 7 d. 8

- 13) Census population of a district in 1981 was 4.54 Lakhs, while in year 2001 it was 7.44 Lakhs. What was the estimated mid-year population of that district in year 2009.
- | | |
|--------------|------------|
| a. 8.6 lakhs | c. 6 lakhs |
| b. 7.5 lakhs | d. 5 lakhs |

- 14) Find the maximum value of n such that $50!$ is perfectly divisible by 2520^n .
- a. 6
b. 7
c. 8
d. 9

- 15) There is well of depth 30 m and frog is at bottom of the well. He jumps 3 m in one day and falls back 2 m in the same day. How many days will it take for the frog to come out of the well?
- a. 26 days
b. 27 days
c. 28 days
d. 29 days

- 16) $(1 \times 5) + 1/(5 \times 9) + 1/(9 \times 13) + \dots + 1/(221 \times 225)$ is
- a. $28/221$ c. $56/225$
b. $56/221$ d. None of these

- 17) The number of zeros at the end of the product of all prime numbers between 1 and 1111 is?
- a. 0
b. 1
c. 2
d. 3

- 18) Due to some defect in our elevator, I was climbing down the staircase. I'd climbed down just 7 steps when I saw a man on the ground floor. Continuing to walk down, I greeted the man and I was surprised to see that when I was yet to get down 4 steps to reach the ground floor, the man had already finished climbing the staircase. He perhaps climbed up 2 steps for every 1 of mine. How many steps did the staircase have?
- a. 11
b. 22
c. 33
d. 44

- 19) Marbles are to be distributed. Ann gets 1, Mary gets 2, Rose gets 3 and Lisa gets 4. John Brown gets as much as his sister. Tim Smith

gets 2 times as much as his sister. Neil Johnson gets 3 times as much as his sister. Sam Paul gets 4 times as much as his sister. Find the surnames of Ann, Mary, Rose and Lisa ?

- | | |
|-------|-------|
| a. 32 | c. 34 |
| b. 33 | d. 35 |

20) $XZY + XYZ = YZX$. Find the three digits

- | | |
|--------|--------|
| a. 465 | c. 495 |
| b. 764 | d. 654 |

21) In a 5 digit number, 3 pairs of sum is 11 each, last digit is 3 times first one, 3rd digit is 3 less than 2nd, 4th digit is 4 more than the second one. Find the number.

- | | |
|----------|----------|
| a. 24186 | c. 87361 |
| b. 72622 | d. 34321 |

22) An escalator is descending at constant speed. A walks down and takes 50 steps to reach the bottom. B runs down and takes 90 steps in the same time as A takes 10 steps. How many steps are visible when the escalator is not operating?

- | | |
|--------|--------|
| a. 200 | c. 100 |
| b. 300 | d. 400 |

GEOMETRY

1) In an Octagon the number of possible diagonals are?

- | | |
|-------|-------|
| a. 10 | c. 20 |
| b. 30 | d. 25 |

2) Find the radius of the circle inscribed in a triangle ABC. Triangle ABC is a right-angled isosceles triangle with the hypotenuse as $62\sqrt{2}$

- | | |
|----------|--------|
| a. 4cm | c. 2cm |
| b. 2.5cm | d. 3cm |

3) One of the longest sides of the triangle is 20 m. The other side is 10 m. Area of the triangle is 80. What is the another side of the triangle?

- | | |
|-----------------|-----------------|
| a. $\sqrt{240}$ | c. $\sqrt{260}$ |
| b. $\sqrt{230}$ | d. $\sqrt{262}$ |

4) A card board of size 34×14 has to be attached to a wooden box and a total of 35 pins are to be used on the each side of the card box. find the total number of pins used.

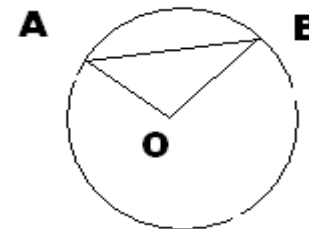
- | | |
|--------|--------|
| a. 130 | c. 136 |
| b. 135 | d. 139 |

5) Triangle BOA, with O as centre of circle is given

Angle O = 20 degrees

OA = 5

BA = ?



- | |
|----------------------|
| a. $\cos 20$ degrees |
| b. $\sqrt{5^2}$ |

- | |
|-------------|
| c. 5 |
| d. $\sin 5$ |

PROFIT AND LOSS

1) In the Garbar Jhala, Ahmadabad a shopkeeper first raises the price of Jewellery by x% then he decreases the new price by x%. After one such up down cycle, the price of a Jewellery decreased by Rs. 21025. After a second updown cycle the jewellery was sold for Rs. 484416. What was the original price of the jewellery.

- | | |
|-----------|-----------|
| a. 525625 | c. 873643 |
| b. 653242 | d. 734223 |

SELECTING WORDS

Directions:

Complete the sentence using the word or set of words for each blank that best fits the meaning of the sentence as a whole.

1) While still in school, Richard Nixon's debate coach noticed the young debater's ability to answer questions _____ and noted that Nixon rarely seemed to address anything _____.

- | |
|-----------------------------------|
| a. audaciously ... brazenly |
| b. ambiguously ... disingenuously |
| c. unequivocally ... absolutely |
| d. obliquely ... directly |
| e. bluntly ... explicitly |

2) Mrs. Rubin was taken aback by Timothy's _____, as she had never before seen a child disrespect his elders so blatantly.

- | | |
|---------------|-------------------|
| a. Jauntiness | d. humility |
| b. Reverence | e. obsequiousness |
| c. impudence | |

3) Many states use a point system in which each driving infraction is worth a certain number of points, and if one exceeds a certain number of cumulative points in a year, his or her driving privileges are _____ until a later date, at which time the driver may reapply for his or her license.

- a. Revoked
- b. Recuperated
- c. reprimanded
- d. curbed
- e. instituted

4) Though usually _____, my neighbor's cat was quite _____ when it came to defending what she considered her territory; luckily for her, she would often win the fights she started.

- a. antagonistic ... placatory
- b. cantankerous ... belligerent
- c. serene ... amicable
- d. aggressive ... pacifistic
- e. peaceful ... pugnacious

5) The council woman accused the city manager of _____, alleging that he abused his power to help secure a contract beneficial to his own personal bank account.

- a. Malfeasance
- b. Unscrupulousness
- c. depravity
- d. bribery
- e. misconduct

6) Though not appreciated in the author's own lifetime, Thomas Paine's *The Age of Reason* has come to be recognized as a _____ work, one that profoundly impacted Western theology for generations.

- a. Controversial
- b. Negligible
- c. seminal
- d. trifling
- e. provocative

7) Most felt that Carlton's _____ made him incredibly unpopular, since people seldom wish to be friends with someone who constantly looks down on them.

- a. Superciliousness
- b. Apathy
- c. gregariousness
- d. modesty
- e. insensitivity

SPOTTING ERRORS

Directions :

Identify which part of the sentence has error and mark it as answer

1)

- a. A number of trainees who
- b. take this course every year find

- c. that their
- d. knowledge of mathematics is inadequate.
- e. No error

2)

- a. Either of the solutions you have
- b. proposed are
- c. acceptable to the union, whose
- d. members are willing to compromise.
- e. No error

3)

- a. The last man on earth will
- b. abandon his ruined house for
- c. a cave, and
- d. his woven clothes for an animal's skin.
- e. No error

4)

- a. The station was a hive
- b. of bustling activity.
- c. the arrival of the train was the most important
- d. event of the day in that remote place.
- e. No error

5)

- a. My grandmother's legacy is
- b. substantial, especially
- c. if the value of the rare stamps are
- d. taken into consideration.
- e. No error

6)

- a. Neither Bradley, nor more
- b. recent critics who have written
- c. on Shakespeare's tragedies, has
- d. been able to give a convincing explanation for the timing of events in *Othello*.
- e. No error

7)

- a. The bridal gown was most
- b. unique; the
- c. bridegroom designed it
- d. and his mother provided the lace fabric.
- e. No error.

- 8)
- For a successful career as
 - a beautician, one
 - must be prepared to dissemble:
 - you must not tell your client the unvarnished truth about his or her appearance.
 - No error

Directions:

- 9) Read the following statements and identify which are grammatically correct.
- Every language has a lot of different words with similar but slightly differing meanings.
 - Words are used with each other in fairly fixed ways in every language.
 - Words do not only have meanings, they also have associations
 - At an advanced level of any language, it is important to develop an impression of what connotations certain words have
 - A only
 - A and C
 - All of the above are correct
 - Only B
 - A, B and C

- 10)
- It's something I feel powerfully about.
 - If I remember perfectly, it happened at about six thirty
 - It is useful to learn which adverbs most typically modify particular types of objectives
 - The majority of these adjectives has a negative connotation.
 - C only
 - B and C
 - All of the above are correct
 - None of the above
 - A only

- 11)
- A brash walk before dinner helps to enforce the appetite.
 - The death tally in the Pakistan earthquake has now risen to 300,000
 - Let's take a sluggish stroll along the beach, shall we?
 - If you want to stay at home tonight, that's perfectly OK with me.
 - A only
 - B only
 - C only
 - D only
 - A and B only

- 12)
- The firefighters managed to save the people trapped in the burning third-floor flat.

- The countryside round here is terribly flattened and BORING
- To join the Lucknow Golf Club you pay a flattened fee of Rs.5 lacs.
- He was able to erect the child's toy in five minutes flat.
 - B and C only
 - A only
 - None of the above
 - A and B
 - A and D

- 13)
- Whereas nineteenth century Darwinists saw evolution
 - as the story of the ascent of man from his British origins
 - today's Darwinists want
 - to tell the tale rather of the fall of man back to beastliness
 - It is the story of ascent of man and descent of humanity.
 - A, B and E
 - B, C and E
 - C and D
 - A and E
 - A, C and D

- 14)
- The project was underfunded from the outset.
 - During the cruise, a small cat fell board and drowned
 - Cooperation across the fronts has been very good
 - Cross-border cooperation has been exemplary good
 - A only
 - B only
 - D and C
 - None of the above
 - Only A and B

SENTENCE CORRECTION

Directions :

Choose the correct alternative for the underlined part of sentence.

- A conjunction is used to connect words and sentences together.
 - words and sentences together
 - words or sentences together
 - words and sentences
 - words or sentences
 - words to sentences.
- Antony, coming alongside Cleopatra's ship, climbed aboard without seeing or being seen by her.
 - climbed aboard without seeing or being seen by her.
 - climbed aboard without seeing Cleopatra or being seen by her
 - climbs aboard without Cleopatra seeing him
 - boarded without being seen by her
 - boarded without seeing Cleopatra.

- 3) Bombast is when high sounding words for effect, not suitability, are used.
- is when high sounding words for effect, not suitability, are used.
 - is the use of high-sounding words for effect rather than for suitability.
 - is where high-sounding words are used for effect not suitability.
 - is the using of high-sounding words for effect only.
 - is when you use high-sounding words for effect rather than for suitability.
- 4) I would like to thank whoever it was that wrote that piece of music: it has given me so much pleasure.
- I would like to thank whoever it was that wrote that piece of music:
 - I would like to thank whomever it was that has written that piece of music:
 - I would like to thank whomever it might be that wrote that piece of music:
 - Whoever it was that wrote that piece of music, I would like to thank because
 - I would like to thank whoever it was that wrote that piece of music,
- 5) Your taking a loan to buy a car annoyed Father.
- Your taking a loan to buy a car annoyed Father
 - Your taking a loan to buy a car aggravated Father.
 - You taking a loan to buy a car irritated Father.
 - You taking a loan to buy a car annoyed Father.
 - Father was annoyed by you taking a loan to buy a car.
- 6) In the initial stages of learning a new language we learn more through listening and attempting to copy speech patterns and not through reading grammar books.
- and attempting to copy speech patterns and not through reading grammar books.
 - and attempting to copy speech patterns than through reading grammar books.
 - and attempts to copy speech patterns than through reading grammar books.
 - and attempts at copying speech patterns than through reading grammar books.
 - and attempts at copying speech patterns and not grammar books.

- 7) Between you and I, I doubt that he will come
- and I, I doubt that he will come.
 - and I, I doubt that he would come.
 - and me, I doubt that he will come
 - and me, I doubt that he would come.
 - and me, I doubt whether he will be coming.
- 8) Work that is not finished is not work at all, it is merely a botch, a failure.
- all, it is merely a botch, a failure.
 - all, it is a botch merely, and a failure.
 - all; it is merely a botch, a failure.
 - all; the work merely is a botch and a failure.
 - all; the work being merely a botch, a failure.

SENTENCE COMPLETION

- 1) That is a moving story -----
- that had survived the centuries
 - that has survived the centuries
 - which is survived by the centuries.
 - that is a survival in the centuries
- 2) The long , lone hours on the trail gave doug a chance -----
- to get himself to know better
 - for getting to know himself better
 - to get to know himself better
 - in getting better to know himself
- 3) He had -----his face grow larger than they should.
- A unique disease that made bones from
 - a rare disease that made the bones of
 - an unnatural disease that will make the bones of
 - a special disease that made bones in
- 4) The girl ----- a defect in her nervous system
- was unable in feeling pain because of
 - was disabled to feel pain in
 - was incapacitated to feel pain because of
 - was unable to feel pain because of
- 5) As soon as the plane ----- to a hospital
- landed, he was rushed
 - was landing , he was rushed
 - was grounded, he was rushed
 - could be landed, he went rushing.

- 6) You try to -----when you want to control your laughter
 a. put a brave face c. make a face
 b. keep your hair on d. keep a straight face
- 7) They ----- TV ever since they came.
 a. Watched c. have been watching
 b. have watched d. should watch
- 8) A Pakistan cricketer last played a match in Jan 2006. _____
 from his ankle fracture
 a. Yet he is recovered. c. he is yet to recover.
 b. he has still recover. d. he is yet to recovered.
- 9) He is -----to acquire knowledge but also to display it.
 a. not only anxious c. anxious not only
 b. only anxious not d. only not anxious
- 10) Mary goes to work _____
 a. By walking c. On foot
 b. By walk d. While walking
- 11) I always _____ the same mistake
 a. Seem to do c. Seem to make
 b. Prefer to make d. Appear to do
- 12) _____ Bangalore is an expensive city
 a. Majority of the ppl tell c. Most ppl are telling
 b. Most of the ppl speak d. Majority of the ppl say
- 13) A rather _____ students having trouble in economics
 a. Large amount c. Large proportion
 b. Large group d. Large number

SENTENCE SELECTION

Directions:

- 1) Choose the correct sentence from the four alternatives
 a. Men in my office love to take longer coffee breaks.
 b. The men in my office love taking long coffee breaks
 c. Men at my office take long coffee breaks and they love it.
 d. Taking long breaks for coffee is what men in my office love to do
- 2)
 a. My laptop was stolen at the airport yesterday while I was waiting

- b. They had stolen my laptop yesterday at the airport while I was waiting
 c. I was waiting at the airport yesterday when they stole my laptop.
 d. While I was waiting at the airport yesterday, my laptop was stolen
- 3)
 a) The hostess found out that there was no more drink in Arvind's glass.
 b) The hostess noticed that there was no more drink in Arvind's glass.
 c) The hostess noticed that Arvind's glass could contain no more drink
 d) The hostess identified that Arvind's had no more to drink in his glass.
- 4)
 a. General intelligence is essential for outstanding achievement because it involves one's natural ability to comprehend difficult concepts quicker and to analyze them clearly.
 b. General intelligence is essential in outstanding achievement because it involves the natural ability of one in comprehending difficult concepts more quicker and to analyze them clearly
 c. General intelligence is essential for outstanding achievement because it involves one's natural ability to comprehend difficult concepts quicker and analyzing them with clearness
 d. General intelligence is essential for outstanding achievement because it naturally involves one's ability to comprehend difficult concepts quicker and an analysis of them clearly.
- 5)
 a) I enjoyed a visit to the museum;It was far interesting than I expected
 a. My visit to the museum was by far interesting so I enjoyed it
 b. I enjoyed the visit to the museum;It was far more interesting than I had expected
 c. I enjoyed our visit to the museum as it was far more interesting than we expected.
- 6)
 a. This year's college trip to simla was the most enjoyable vacation I have ever had.
 b. This year's college trip to simla was a more enjoyable vacation I had.
 c. The most enjoyable college trip I ever have was the simla trip of this year.
 d. I have enjoyed this year's college trip in simla to the utmost.

- 7)
- To prepare himself, he subjected himself to two weeks of intensive training on the Indonesian island of Java, climbing the volcano near Bandung 25 times, spend nights in the open and to test to see how long he could hold out without food.
 - To prepare himself, he subjected himself to two weeks of intensive training on the Indonesian island of Java, climbing the volcano near Bandung 25 times, spending nights in the open and to test to see how long he could hold out without food
 - In preparation for himself, he subjected himself to two weeks of intensive training on the Indonesian island of Java, climbing the volcano near Bandung 25 times, spending nights in the open and testing to see how long he could hold out without food
 - To prepare himself, he subjected himself to two weeks of intensive training on the Indonesian island of Java, climbing the volcano near Bandung 25 times, spending nights in the open and testing to see how long he could hold out without food.
- 8)
- If Ram doesn't pay the mortgage to his house on time, he will be out in the street.
 - Ram will be out in the streets if he does not pay mortgages of his house in time.
 - If Ram does not pay mortgage to his house he will be out of the streets on time
 - If Ram does not pay the mortgage on his house on time, he will be out on the streets.
- 9)
- At a time when so many skilled workers are out of work, it will be easy to fill the vacancy
 - When so many skilled workers are not working, it will be easy to fill the vacancy
 - to fill the vacancy wont be a problem, as so many workers are there
 - With so many skilled workers being there, it won't be a problem filling vacancies
- | | |
|------|------|
| a. A | c. C |
| b. B | d. D |

READING COMPREHENSION

Directions:

Read the following passage. Then answer the questions and check your answers.

1) Most people can remember a phone number for up to thirty seconds. When this short amount of time elapses, however, the numbers are erased from the memory. How did the information get there in the first place? Information that makes its way to the short term memory (STM) does so via the sensory storage area. The brain has a filter which only allows stimuli that is of immediate interest to pass on to the STM, also known as the working memory. There is much debate about the capacity and duration of the short term memory. The most accepted theory comes from George A. Miller, a cognitive psychologist who suggested that humans can remember approximately seven chunks of information. A chunk is defined as a meaningful unit of information, such as a word or name rather than just a letter or number. Modern theorists suggest that one can increase the capacity of the short term memory by chunking, or classifying similar information together. By organizing information, one can optimize the STM, and improve the chances of a memory being passed on to long term storage. When making a conscious effort to memorize something, such as information for an exam, many people engage in "rote rehearsal". By repeating something over and over again, one is able to keep a memory alive. Unfortunately, this type of memory maintenance only succeeds if there are no interruptions. As soon as a person stops rehearsing the information, it has the tendency to disappear. When a pen and paper are not handy, people often attempt to remember a phone number by repeating it aloud. If the doorbell rings or the dog barks to come in before a person has the opportunity to make a phone call, he will likely forget the number instantly.* Therefore, rote rehearsal is not an efficient way to pass information from the short term to long term memory.* A better way is to practice "elaborate rehearsal". *This involves assigning semantic meaning to a piece of information so that it can be filed along with other pre-existing long term memories.* Encoding information semantically also makes it more retrievable. Retrieving information can be done by recognition or recall. Humans can easily recall memories that are stored in the long term memory and used often; however, if a memory seems to be forgotten, it may eventually be retrieved by prompting. The more cues a person is given (such as pictures), the more likely a memory can be retrieved. This is why multiple choice tests are often used for subjects that require a lot of memorization.

Glossary:

semantic: relating to the meaning of something

Questions:

1) According to the passage, how do memories get transferred to the STM?

- They revert from the long term memory.

- b. They are filtered from the sensory storage area.
 - c. They get chunked when they enter the brain.
 - d. They enter via the nervous system.
- 2) The word elapses in paragraph 1 is closest in meaning to:
- a. Passes
 - b. adds up
 - c. appears
 - d. continues
- 3) All of the following are mentioned as places in which memories are stored EXCEPT the:
- a. STM
 - b. long term memory
 - c. sensory storage area
 - d. maintenance area
- 4) Why does the author mention a dog's bark?
- a. To give an example of a type of memory
 - b. To provide a type of interruption
 - c. To prove that dogs have better memories than humans
 - d. To compare another sound that is loud like a doorbell
- 5) How do theorists believe a person can remember more information in a short time?
- a. By organizing it
 - b. By repeating it
 - c. By giving it a name
 - d. By drawing it

2) A Streetcar Named Desire - Passage 1

A Streetcar Named Desire is a classic of the American theater. Tennessee Williams' landmark work was a tour de force in its original stage production in 1947 and continues to resonate with audiences and readers today despite—or perhaps because of—its simplistic though layered story. A faded Southern belle, Blanche DuBois, arrives at her sister's seedy New Orleans apartment where she is tortured by her brutish brother-in-law, Stanley Kowalski. Blanche puts on airs of class and happiness throughout the play, though internally she is miserable and haunted by her tragic and scandalous past. Stanley forces Blanche to face her dolorous reality with his vitriol and, finally, his act of sexual aggression, and in doing so, he causes her to lose her tenuous grip on sanity. Most have argued (correctly) that the play is about the ways the past haunts our present or (again correctly) that it is about the ways class and sexuality impact our lives. However, few have seen the play for what it is: an allegory for the theater itself. Before Williams wrote Streetcar, the theater had been dominated by melodrama. A brief interlude in the 1930s brought political theater to center stage (pardon the pun), but by the 1940s, its principal playwright, Clifford Odets, had left New York for Hollywood, and the sensationalized and maudlin form of melodrama once again flourished. The theater was in limbo, and Williams had a desire to bring something new to the world. It would bring the realism of the political theater of the 1930s but without the

political (read: socialist) underpinnings. To that end, he created lifelike characters who spoke in realistic dialect.

But to make his point that melodrama was flawed, he added an equally unrealistic character.

Blanche, unlike the other characters, speaks theatrically, acts larger than life on stage, and uses floral language and heightened mannerisms. Blanche is a character not to be trusted. She lies about everything, and the only thing that finally exposes her lies is reality itself: Stanley. He finally forces her off the stage and into the insane asylum by forcing himself on her sexually. And with that, realism forcibly removed melodrama from the stage.

A Streetcar Named Desire- Passage 2

It is not possible to imagine A Streetcar Named Desire without the influence of Marlon Brando, the actor who rose to fame playing Stanley Kowalski. On the page, the part is fairly simplistic. Stanley is a monster and a beast without any redeeming qualities. But Brando and the play's original director, Elia Kazan, imagined the character as having a soft underbelly, rooted in his own sorrow, insecurities, and soulful complexity. Brando's Stanley is a brute, yes, but he is a brute who hates the fact that he is so awful. He is also unable to control himself and his passions, and this lack of control is equally embarrassing to him, even as it is also threatening to Blanche and alluring to her sister Stella.

For instance, after he hits Stella, he comes back to her, famously begging for forgiveness by shouting "Stella" outside their apartment. But in Brando's depiction on the stage and later on the screen, he is soaked from the rain and looks completely desperate, as though he needs Stella to live. He looks and seems totally helpless and weak, the exact opposite of the brute he appears later when he forces himself onto Blanche.

The play is excellent and memorable, even when read. But it is Brando's interpretation of the male lead role that makes the play indelible. Without Brando, the play would still have a deep meaning, but with Brando's interpretation, the play becomes even more profound.

- a. Paragraph 1 of Passage 1 provides each of the following EXCEPT
 - a. a critical interpretation of A Streetcar Named Desire
 - b. an explanation of why modern audiences connect with A Streetcar Named Desire
 - c. a brief plot synopsis of A Streetcar Named Desire
 - d. background information on the times that produced A Streetcar Named Desire
 - e. the author's main argument concerning A Streetcar Named Desire
- b. It can be inferred from Passage 1 that A Streetcar Named Desire

- a. was Tennessee Williams' first play
 - b. is better on stage than in print
 - c. did not have socialist leanings
 - d. was not melodramatic
 - e. would not have been successful without Marlon Brando
- c. According to Passage 1, the character of Blanche DuBois
- a. is intentionally overdramatic and theatrical
 - b. has never been to the city of New Orleans before
 - c. is recently married to Stanley Kowalski
 - d. is brutally honest and frank during the play
 - e. is firmly rooted in realism and sanity
- d. Passage 2 argues that Marlon Brando's portrayal of Stanley Kowalski
- I. earned the actor great fame
 - II. is more nuanced than the part that is written
 - III. is what really made *A Streetcar Named Desire* a classic
- a. I only
 - b. II only
 - c. I and II only
 - d. II and III only
 - e. I, II, and III
- e. Both Passage 1 and Passage 2 argue that
- a. the New York theater scene was blown away by *A Streetcar Named Desire*
 - b. Tennessee Williams wrote *A Streetcar Named Desire* to end melodrama
 - c. *A Streetcar Named Desire* has more than one true meaning
 - d. *A Streetcar Named Desire* only has power when performed on the stage
 - e. the character of Stanley Kowalski is simply a brute monster

4) Read the passage below and then choose the best answer to the question. Answer the question on the basis of what is stated or implied in this passage. Experienced truck drivers often travel in a convoy--a group of trucks that are traveling to the same. Part of the country
Convoys can help truckers to stay alert.
The author implies that professional long-distance truck drivers may avoid traveling alone because:

- a. They might drive too fast.
- b. They want to arrive before anyone else.
- c. Accidents happen more frequently to lone truck drivers than to car drivers who travel alone.
- d. Long-distance travel can cause drowsiness

5) Read the passage below and then choose the best answer to the question.

Huge beasts such as the dinosaur have never really become extinct. Mothra, a giant caterpillar who later becomes a moth, destroys Tokyo, and stars in the 1962 Japanese film named for him. Mothra is born, dies, and reborn regularly on classic movie channels. In Japan Mothra is one of the most popular films ever made. Mothra has survived the creation of more current scary creatures such as giant apes, extraterrestrial beings and swamp creatures. More than 30 years after his creation, Mothra still lives.

The main subject of the passage is:

- a. the reasons that fads do not endure
- b. the lasting appeal of Mothra
- c. the difficulty of marketing good horror movies
- d. old models for creatures are still used because making new monsters is expensive

6) Read the passage below and choose the best answer to the question.

The Earth's past climate--including temperature and elements in the atmosphere--has recently been studied by analyzing ice samples from Greenland and Antarctica. The air bubbles in the ice have shown that, over the past 160,000 years, there has been a close correlation between temperature changes and level of natural greenhouse gases carbon dioxide and methane. One recent analysis from Greenland showed that at the end of the last glacial period (when the great ice sheets began to retreat to their present position), temperatures in southern Greenland rose from 5 to 7 degrees in about 100 years. Air bubbles are not the only method of determining characteristics of the Earth's ancient climate history. Analysis of dust layers from ancient volcanic activity is another such method; as is the study of ice cores, which interpret past solar activity that may have affected our climate.

This passage states that:

- a. the Greenhouse effect is destroying the planet's atmosphere.
- b. temperatures in Greenland have been unusually stable over the past 100 years.
- c. there is more than one kind of information that scientists can use to determine the characteristics of the Earth's early climate.
- d. solar energy is the wave of the future.

7) Two passages are followed by a question or statement. Read the passages, then choose the best answer to the question or the best completion of the statement.

Before video cameras were widely used, home and business owners had to rely only on written reports and photos as a way to document their valuables for insurance purposes. This form of documentation was difficult for some insurance policy holders. They found it was

easy to lose lists, forget to add new items they purchased, or delete items they no longer had. As a result these insurance inventories were often inaccurate.

While video taping is not an option for every home or business owner, this kind of insurance documentation is helpful for some.

How are these passages related?

- a. They repeat the same idea.
- b. They contradict one another.
- c. They compare two forms of written documentation.
- d. They present a problem and a solution.

8) Answer the question on the basis of what is stated or implied in these passages.

French physicist Charles Fabry found ozone gas in the atmosphere in 1913. At room temperature, ozone is a colorless gas; it condenses to a dark blue liquid at -170 F. At temperatures above the boiling point of water, 212 F, it decomposes.

Ozone is all around us. After a thunderstorm, or around electrical equipment, ozone is often detected as a sharp odor. Ozone is used as a strong oxidizing agent, a bleaching agent, and to sterilize drinking water. This gas is also highly reactive. For example, rubber insulation around a car's spark plug wires will need to be replaced eventually, due to the small amounts of ozone produced when electricity flows from the engine to the plug.

These passages imply that:

- a. Ozone is the result of pollution.
- b. High ozone levels in the atmosphere will cause large numbers of people to buy new car batteries.
- c. Ozone has no practical uses.
- d. Ozone is a natural part of the Earth's atmosphere.

9) Read the passages below and then choose the best answer to the question. Answer the question on the basis of what is stated or implied in these passages.

Many people who have come close to death from drowning, cardiac arrest or other causes have described near-death experiences--profound, subjective events that sometimes result in dramatic changes in values, beliefs, behavior, and attitudes toward life and death. These experiences often include a new clarity of thinking, a feeling of well being, a sense of being out of the body, and visions of bright light or mystical encounters. Such experiences have been reported by an estimated 30 to 40 percent of hospital patients who were revived after coming close to death and about 5 percent of adult Americans in a nationwide poll. Near-death experiences have been explained as a response to a perceived threat of death (a psychological theory); as a result of biological states that accompany

the process of dying (a physiological theory); and as a foretaste of an actual state of bliss after death (a transcendental theory).³

The primary purpose of this passage is to:

- a. Entertain
- b. express disbelief in the afterlife
- c. inform
- d. persuade

10) Read the passage below and then choose the best answer to the question on the basis of what is stated or implied in these passages. In most cases little birds lay little eggs. The kiwi is an astonishing exception to this rule--it is a smallish bird that lays a big egg. The kiwi, a flightless bird found in New Zealand, weighs about four pounds, and its egg weighs, believe it or not, about one pound. That is one-fourth of the bird's body weight! If an ostrich laid an egg that was in the same proportion to the ostrich as the kiwi egg is to the kiwi, an ostrich egg would weigh a whopping seventy-five pounds instead of the usual three pounds.

Which statement below best describes the organizational method used in this passage?

- a. Description
- b. comparison/contrast
- c. chronological
- d. cause/effect

11) A few minutes ago, walking back from lunch, I started to cross the street when I heard the sound of a coin dropping. It wasn't much but, as I turned, my eyes caught the heads of several other people turning too. A woman had dropped what appeared to be a dime. The tinkling sound of a coin dropping on pavement is an attention-getter. It can be nothing more than a penny. Whatever the coin is, no one ignores the sound of it. It got me thinking about sounds again. We are besieged by so many sounds that attract the most attention. People in New York City seldom turn to look when a fire engine, a police car or an ambulance comes screaming along the street. When I'm in New York, I'm a New Yorker. I don't turn either. Like the natives. I hardly hear a siren there. At home in my little town in Connecticut, it's different. The distant wail of a police car, an emergency vehicle or a fire siren brings me to my feet if I'm seated and brings me to the window if I'm in bed. It's the quietest sounds that have most effect on us, not the loudest. In the middle of the night, I can hear a dripping tap a hundred yards away through three closed doors. I've been hearing little creaking noises and sounds which my imagination turns into footsteps in the middle of the night for twenty-five years in our house. How come I never hear those sounds in the daytime? I'm quite clear in my mind what the good sounds are and what the bad sounds are. I've turned against whistling, for instance. I used to think of it as the mark of a happy worker but lately I've been associating the whistler with a nervous person making compulsive noises. The tapping, tapping, tapping of

my typewriter as the keys hit the paper is a lovely sound to me. I often like the sound of what I write better than the looks of it.

- A. The writer ...
 - a. Sleeps next to the window.
 - b. Has lived in Connecticut for a long time.
 - c. Believes in ghosts.
 - d. Is interested in fire engines.
- B. How does the author relate to sounds at night?
 - a. He imagines sounds that do not exist.
 - b. He exaggerates quiet sounds.
 - c. He thinks taps should be turned off.
 - d. He believes it's rather quiet at night.
- C. How does the writer feel about sounds in general?
 - a. They make him feel at home
 - b. He thinks they should be ignored
 - c. He believes they are part of our lives
 - d. He prefers silence to loud noises
- D. People in New York It suggests ?
 - a. Don't care about emergencies
 - b. Are used to sirens
 - c. Are attracted by sounds
 - d. Don't hear loud noises
- E. The sound of a coin dropping makes people....
 - a. Think of money
 - b. Look at each other
 - c. Pay attention to it
 - d. Stop crossing the street

12) Management is a set of processes that can keep a complicated system of people and technology running smoothly. The most important aspects of management include planning, budgeting, organising, staffing, controlling, and problem-solving. Leadership is a set of processes that creates organisations in the first place or adapts them to significantly changing circumstances. Leadership defines what the future should look like, aligns people with that vision, and inspires them to make it happen despite the obstacles. This distinction is absolutely crucial for our purposes here: Successful transformation is 70 to 90 per cent leadership and only 10 to 30 percent management. Yet for historical reasons, many organizations today don't have much leadership. And almost everyone thinks about the problem here as one of managing change. For most of this country, as we created thousands and thousands of large organisations for the first time in human history, we didn't have enough good managers to keep all those bureaucracies functioning. So many companies and universities developed management programs and hundreds and thousands of people were encouraged to learn management on the job. And they did. But, people were taught little about leadership. To some degree, management was emphasised because it's easier to

teach than leadership. But even more so, management was the main item on the twentieth-century agenda because that's what was needed. For every entrepreneur or business builder who was a leader, we needed hundreds of managers to run their ever-growing enterprises. Unfortunately for us today, this emphasis on management has often been institutionalised in corporate cultures that discourage employees from learning how to lead. Ironically, past success is usually the key ingredient in producing this outcome. The syndrome, as I have observed it on many occasions, goes like this: success creates some degree of marked dominance which in turn produces much growth. After a while keeping the ever-larger organisation under control becomes the primary challenge. So attention turns inward and managerial competencies are nurtured. With a strong emphasis on management but not leadership, bureaucracy and an inward focus takeover. But with continued success, the result mostly of market dominance, the problem often goes unaddressed and an unhealthy arrogance begins to evolve. All of these characteristics then make any transformation effort much more difficult. Arrogant managers can over-evaluate their current performance and competitive position, listen poorly and learn slowly. Inwardly focused employees can have difficulty seeing the very forces that present threats and opportunities. Bureaucratic cultures can smother those who want to respond to shifting conditions. And the lack of leadership leaves no force inside these organisations to break out of the morass.

- A. Which of the following is similar in meaning of the word "smother" as used in the passage?
 - a. Suppress
 - b. Instigate
 - c. Encourage
 - d. Criticise
- B. Which of the following characteristics help organisations in their transformation efforts?
 - a. Emphasis on leadership but not management
 - b. A strong and dogmatic culture
 - c. Bureaucratic and inward looking approach
 - d. Failing to acknowledge the value of customers and shareholders
- C. Why did companies and universities develop programmes to prepare managers in such a large number?
 - a. Companies and universities wanted to generate funds through these programmes
 - b. The large number of organisations were created as they needed managers in good number
 - c. Organisations did not want to spend their scarce resources in training managers
 - d. Organisations wanted to create communication network through trained managers

- D. What is the historical reason for many organisations not having leadership?
- a. A view that leaders are born, they are not made
 - b. Leaders lack managerial skills and organisations need managers
 - c. Leaders are weak in carrying out traditional functions of management
 - d. Leaders allow too much complacency in organizations
- E. How has the author defined management?
- a. It is the process of adapting organisations to changing circumstances.
 - b. It is the system of aligning people with the direction it has taken.
 - c. It refers to creating a vision to help direct the change effectively.
 - d. Creating better performance through customer orientation.

13) Harold a professional man who had worked in an office for many years had a fearful dream. In it, he found himself in a land where small slug-like animals with slimy tentacles lived on people's bodies. The people tolerated the loathsome creatures because after many years they grew into elephants which then became the nation's system of transport, carrying everyone wherever he wanted to go. Harold suddenly realised that he himself was covered with these things, and he woke up screaming. In a vivid sequence of pictures this dream dramatised for Harold what he had never been able to put in to words; he saw himself as letting society feed on his body in his early years so that it would carry him when he retired. He later threw off the "security bug" and took up freelance work. In his dream Harold found the loathsome creatures

- a. in his village
- b. in his own house
- c. in a different land
- d. in his office

14) Today perhaps your only association with the word 'polio' is the Sabin Oral Vaccine that protects children from the disease. Fifty five years ago this was not so. The dreaded disease, which mainly affects the brain and spinal cord, causing stiffening and weakening of muscles, crippling and paralysis - which is why I am in a wheelchair today. If somebody had predicted, when I was born, that this would happen to me, no one would have believed it. I was seventh child in a family of four pairs of brothers and sisters, with huge 23 year gap between the first and last was so fair and brown haired that I looked more like a foreigner than a Dawood Bohri. I was also considered to be the healthiest of the brood. In this passage, the word 'brood' refers to

- a. Polio victims
- b. Foreign children
- c. Children in the family
- d. Indian Children

15) A bar code consists of a printed series of wide, vertical lines that represent a numerical code. The Universal Product Code (UPC) is the standard bar-code format that lists the manufacturer's identification number and a product identification number. An optical scanner can read the bar code and the attached computer can match the product number with a list in its database.

According to this passage, a bar code

- a. is the same thing as a UPC.
- b. is an optical scanner.
- c. is put on products to discourage forgery.
- d. represents a numerical code.

16) Shooting a cat with a BB gun or anything else is animal cruelty and is illegal. The recent incident in our neighborhood should be reported to the Society for the Prevention of Cruelty to Animals, the local humane society, or the police. We must as a community band together to find the perpetrators, prosecute them, and get the person or persons into some serious counseling program. It's important for all of us to be watchful and to speak up about this horrific behavior. These incidents must be stopped before these individuals cause even more serious harm. In the above paragraph, which of the following best describes the author's tone?

- a. Happy about the situation
- b. Biased in favor of cats
- c. Angry about the situation
- d. Depressed about the situation

17) Piccadilly Circus was full of loneliness. It seethes and echoes with it. To live near it. Looking down on it is a discomfiting exercise. You can't feel the pulse of London here, though people expect to. To Londoners it is a maddening obstruction between one place and another, and few voluntarily linger there. The only locals are those who live off the lingerers; the lingerers are primarily sightseers, with a fair sprinkling of people hoping to draw attention to themselves - both typically from the provinces. They have come to see the heart of London and expect to see spectacle, glamour and vice.

Piccadilly circus is

- a. the name of a circus company
- b. a lonely and resounding old building
- c. a centrally located area in London
- d. a huge heap of ruins

18) Bologna, Italy, is a city with 26 miles of covered walkways dating from the 1200s. The atmosphere of this beautiful city and its residents envelope you like a warm hug. In the center piazza of the

city are two leaning towers, forming the most notable landmarks. Around the corner is the famous Roxy coffee bar, a hangout for many of the young university students who are studying medicine and political science. The nearby open marketplace bustles with color and excitement.

Listening closely, you can hear many languages spoken by the tourists who visit each year. In the paragraph above, which of the following best states the main idea of the passage?

- a. Bologna is an old city.
- b. University students love Bologna.
- c. Bologna is an interesting place to visit.
- d. Bologna has two leaning towers.

19) Thomas Alva Edison is one of the most well-known inventors in history. He is most famous for inventions like the phonograph, the motion picture camera, and the light bulb. However, even Edison failed in a few attempts at invention, namely in trying to develop a better way to mine iron ore during the late 1880s and early 1890s. He was tenacious in his attempts to find a method that worked, but he eventually gave up after having lost all the money he had INVESTED in iron-ore mining projects.

In this context, the word tenacious means

- a. angry.
- b. persistent
- c. lazy
- d. happy.

20) I felt the wall of the tunnel shiver. The master alarm squealed through my earphones. Almost simultaneously, Jack yelled down to me that there was a warning light on. Fleeting but spectacular sights snapped into and out of view, the snow, the shower of debris, the moon, looming close and big, the dazzling sunshine for once unfiltered by layers of air. The last twelve hours before re-entry were particular bone-chilling. During this period, I had to go up in to command module. Even after the fiery re-entry splashing down in 810 water in south pacific, we could still see our frosty breath inside the command module.

The word 'Command Module' used twice in the given passage indicates

perhaps that it deals with

- a. an alarming journey
- b. a journey into outer space
- b. a commanding situation
- c. a frightful battle