

## ENGLISH

**Direction : Questions from ----- consist of incomplete sentences, with a blank showing where information is to be filled in. Choose the word or phrase that most correctly completes the sentence.**

**001)** Employers often require that candidates have not only a degree in engineering \_\_\_\_\_ .

1. but two years experience
2. also two years experience
3. but also two years experience
4. but more two years experience

**002)** The rain forest \_\_\_\_\_ large trees that provide shade to the vegetation below, is home to unique flora and fauna.

1. has
2. with its
3. and
4. although has

**003)** Professor Raman wrote \_\_\_\_\_, which is expected to be published in the next few months.

1. a new textbook last year
2. last year a new textbook
3. in last year a new textbook
4. during last year a new textbook

**004)** Only after food has been dried or canned \_\_\_\_\_.

1. that it should be stored for later consumption
2. should be stored for later consumption
3. should it be stored for later consumption
4. it should be stored for later consumption

**Direction : Questions from ----- consist of sentences with four underlined words or phrases. For each sentence, choose the one underlined word or phrase that is incorrect in standard written English.**

**005)** Overeating, in addition to lack of attention to nutrition, are said to be the major cause of obesity.

1

2

3

4



**012)** Not taking a difficult exam is worse than failing it.

1. If one is going to fail a difficult exam, it is better not to take it
2. To fail a difficult exam is worse than to not take it
3. It is better to fail a difficult exam than not to take it at all
4. Because the exam is difficult, it is better not to take it

**013)** Crossing the street, a car almost struck us.

1. A car almost struck us, crossing the street.
2. As we crossed the street, a car almost struck us.
3. A car, crossing the street, almost struck us.
4. Having crossed the street, a car almost struck us.

**Direction :** The passage below is followed by questions based on its content. After reading the passage, choose the best answer to each question. Answer all questions following the passage on the basis of what is stated or implied in the passage.

Unlike the eye, the ear has no lid; therefore noise penetrates without protection. Loud noises instinctively signal danger to any organism with a hearing mechanism, including human being. In response, heartbeat and respiration accelerate. In fact, there is a general increase in functioning brought about by the flow of adrenaline released in response to fear.

Because noise is unavoidable in a complex, industrial society, we are constantly responding in the same ways that we would respond to danger. Recently, researchers have concluded that noise and our response may be much more than an annoyance. It may be a serious threat to physical and psychological health and wellbeing, causing damage not only to the ear and brain but also to the heart and stomach. We have long known that hearing loss is America's number one nonfatal health problem, but now we are learning that some of us with heart disease and ulcers may be victims of noise as well.

**014)** What is the author's main point?

1. Noise may pose a serious threat to our physical and psychological health
2. Loud noises signal danger
3. Hearing loss is America's number one nonfatal health problem
4. The ear is not like the eye

**015)** According to the passage, people respond to loud noises in the same way that they respond to -----

- 1.annoyance      2.damage      3.danger      4.disease

016) It can be inferred from this passage that the eye -----

- 1 responds to fear
- 2 enjoys greater protection than the ear
- 3 increases functions
- 4 is damaged by noise

017) Noise is -----

- 1 not a serious problem today
- 2 America's number-one problem
- 3 An unavoidable problem in an industrial society
- 4 A complex problem

018) What was the topic of the paragraph that preceded this passage?

1. the eye
2. ulcers
3. heart disease
4. fear

**Direction : In questions from -----, there is one underlined word or phrase in each sentence and four answer choices. Select the one answer choice that best maintains the meaning of the original sentence if you use it in place of the word or phrase that is underlined.**

019) Educators have made great strides in recent years in combating the ignorance of the nation's young about AIDS.

1. unawareness
2. fearlessness
3. arrogance
4. indoctrination

020) A common cause of dysentery is the use of untreated water in the preparation of foods, which is quite common in certain underdeveloped countries.

1. displeasure
2. malnutrition
3. eupepsia
4. bowel infection

### QUANTITATIVE

021) Five newly born babies were weighted by a doctor. In her report she pointed out that the child A is lighter than the child B. The child C is lighter than the child D. Child B is lighter than the child D, but heavier than the child E. Which child is the heaviest?

1. E
2. D
3. C
4. B

- 022)** Gita drove 650 miles at an average speed of 50 miles per hour. How many miles per hour faster would she have had to drive in order for the trip to have taken 1 hour less?
1.  $4\frac{5}{6}$                       2.  $4\frac{2}{3}$                       3.  $4\frac{1}{3}$                       4.  $4\frac{1}{6}$
- 023)** The average (arithmetic mean) of 6 number is 8.5. When one number is discarded, the average of the remaining numbers becomes 7.2. What is the discarded number?
1. 9.8                      2. 10.0                      3. 12.4                      4. 15.0
- 024)** After spending 20% on milk, 10% on clothes, 50% on food and 5% on electricity, Devilal could buy 2 dozen pairs of socks from the balance income with him. He earned 100% profit by selling the socks for Rs.120. What amount did Devilal have on him initially?
1. Rs.800                      2. Rs.400                      3. Rs.500                      4. Rs.360
- 025)** The price of a certain television set is discounted by 10 percent, and the reduced price is then discounted by 10 percent. This series of successive discounts is equivalent to a single discount of
1. 20%                      2. 19%                      3. 18%                      4. 11%
- 026)** An empty pool being filled with water at a constant rate takes 8 hours to fill to  $\frac{3}{5}$  of its capacity. How much more time will it take to finish filling the pool?
1. 5 hr 30 min                      2. 5 hr 20 min                      3. 4 hr 48 min                      4. 3 hr 12 min
- 027)** Leena invested Rs.10,000 in a new mutual fund account exactly three years ago. The value of the account increased by 10 percent during the first year, increased by 5 percent during the second year, and decreased by 10 percent during the third year. What is the value of the account today?
1. Rs.10,350                      2. Rs.10,395                      3. Rs.10,500                      4. Rs.11,500
- 028)** A man buys a cell phone for Rs.1500 paying with Rs.2500 cheque. The seller changes the cheque next door and gives to the man Rs.1000 change. The cheque bounces, so the seller paid his neighbour back. The cell phone cost the seller Rs.1100. How much did the seller lose?
1. Rs. 2100                      2. Rs.1000                      3. Rs.3200                      4. None of these
- 029)** Starting from Town S, Vinod rode his bicycle 8 miles due east, 3 miles due south, 2 miles due west, and 11 miles due north, finally stopping at Town T. If the entire region is flat, what is the straight-line distance, in miles, between Towns S and T?
1. 10                      2.  $8\sqrt{2}$                       3. 14                      4. 24

**030)** How many numbers from 1 to 100 can be divisible by 8, whose at least one digit is 8?

1. Four                      2. Eight                      3. Six                      4. Three

**031)** If  $x\%$  of  $y$  is 10, what is  $y$ ?

1.  $10/x$                       2.  $100/x$                       3.  $1000/x$                       4.  $1/x$

**032)** Increasing the original price of an article by 15 percent and then increasing the new price by 15 percent is equivalent to increasing the original price by \_\_\_\_\_ .

1. 32.25%                      2. 31.00%                      3. 30.25%                      4. 30.00%

**033)** If a rectangular picture having 4 feet length is hung exactly in the middle of a rectangular wall that has 13 feet length, then the left edge of the picture is how many feet from the left edge of the wall?

1. 2.0                      2. 3.0                      3. 4.5                      4. 6.5

**034)** Which of the following equations has a root in common with  $x^2 - 6x + 5 = 0$

1.  $x^2 + 1 = 0$                       2.  $x^2 - x - 2 = 0$                       3.  $x^2 - 10x - 5 = 0$                       4.  $2x^2 - 2 = 0$

**035)** How many multiples of 4 are there between 12 and 96, inclusive?

1. 21                      2. 22                      3. 23                      4. 24

**036)** Which of the following is greater than  $2/3$ ?

1.  $33/50$                       2.  $8/11$                       3.  $13/27$                       4.  $5/8$

**037)** The average (arithmetic mean) of five numbers is 25. After one of the numbers is removed, the average (arithmetic mean) of the remaining numbers is 31. What number has been removed?

1. 1                      2. 6                      3. 11                      4. 24

**038)** Three business partners, Q, R and S, agree to divide their total profit for a certain year in the ratio 2 : 5 : 8, respectively. If Q's share was Rs.4,000, what was the total profit of the business partners for the year?

1. Rs.26, 000                      2. Rs. 30, 000                      3. Rs. 52, 000                      4. Rs.60, 000

**039)** 42 is what percent of 70?

1. 57%                      2. 60%                      3. 67%                      4. 70%

040)  $\frac{29^2 + 29}{29} =$

1. 870                      2. 841                      3. 58                      4. 30

### REASONING

**Direction :** In questions from ----- , a related pair of words or phrases is followed by four pairs of words or phrases. Select the pair that best expresses the relationship similar to that expressed in the original pair.

041) HEART : PUMP ::

- |                     |                      |
|---------------------|----------------------|
| 1. lungs : collapse | 2. appendix : burst  |
| 3. stomach : digest | 4. intestine : twist |

042) SEATS : ASSIGN ::

- |                        |                       |
|------------------------|-----------------------|
| 1. awards : vote       | 2. candidates : elect |
| 3. portions : allocate | 4. plans : design     |

043) ANTIBIOTIC : INFECTION ::

- |                           |                           |
|---------------------------|---------------------------|
| 1. hormone : modification | 2. enzyme : digestion     |
| 3. coagulant : bleeding   | 4. stimulant : relaxation |

044) VACCINE : PREVENT ::

- |                     |                          |
|---------------------|--------------------------|
| 1. wound : heal     | 2. antidote : counteract |
| 3. diagnosis : cure | 4. antiseptic : infect   |

045) SOLDIER : REGIMENT ::

- |                       |                         |
|-----------------------|-------------------------|
| 1. colonel : martinet | 2. dancer : balletomane |
| 3. singer : chorus    | 4. trooper : rifle      |

**Direction :** In questions from 046 to 047 there is a series of letters / numbers with one term missing in each series. Find out the missing term.

046) 240, ? 120, 40, 10, 2

1. 480                      2. 240                      3. 220                      4. 120

**047)** Which one of the answers should be in place of question mark in the following order of alphabets?

A, CD, GHI, ?, UVWXY

1. LMNO                      2. MNO                      3. NOPQ                      4. NQP

**048)** A word can be formed with the second, fourth, fifth, seventh and eleventh letters of the word **DISTRIBUTION** after arranging the letters in any sequences, which of the following is the third letter of the new word?

1. O                              2. I                              3. B                              4. M

**049)** If the first and the second letters of the word **DEPRESSION** were interchanged, and also the third and fourth letters, the fifth and the sixth letters and so on, which of the following would be the seventh letter from the right?

1. R                              2. O                              3. P                              4. S

**050)** If English alphabets are written in reverse order, what will be the fourth letter to the right from the thirteenth letter from left?

1. G                              2. H                              3. S                              4. R

**051)** XY : PQ :: MN : ?

1. TS                              2. MO                              3. QP                              4. BC

**052)** A remembers that his uncle had visited both of them together after 13<sup>th</sup> but before 18<sup>th</sup> of a month, while B remembers that the uncle had visited them after 16<sup>th</sup> but before 20<sup>th</sup>. On which date did their uncle visit A and B?

1. 14<sup>th</sup>                      2. 17<sup>th</sup>                      3. 15<sup>th</sup>                      4. Insufficient data

**For questions 053 and 054. If 'RATE' is coded as 9-26-7-22, how will you code and decode the following:**

**053)** BANK

1. 25-26-19-26                      2. 1-2-14-11                      3. 25-26-13-16                      4. 25-24-12-16

**054)** ZEAL

1. 1-22-26-15                      2. 1-22-26-14                      3. 1-23-25-16                      4. 1-22-25-15

**Direction : Read the information given below and answer the questions -----.**

**A, B, C and D are four friends. A is shorter than B, but taller than C who is a little shorter than D.**

**055)** Who is the shortest among all?

1. A                                      2. B                                      3. C                                      4. D

**056)** Who is the tallest among all?

1. A                                      2. B                                      3. C                                      4. D

**057)** A is twice as old as his sister B, but three years younger than his brother C. C will be 16 in three years. How old is B?

1. 4 years                                      2. 5 years                                      3. 6 years                                      4. 7 years

**Direction : Read the following information and answer the questions from -----**

A and B both have watches. A's watch kept perfect time but B's watch lost half a minute every hour. The watches were at the right time at 8 a.m.

**058)** What time was it in B's watch at 8 p.m. that day?

1. 7.54 p.m.                                      2. 7.00 a.m.                                      3. 8.00 p.m.                                      4. 7.45 a.m.

**059)** What time was it in A's watch when it was 1.57 p.m. in B's watch that day?

1. 2.00 p.m.                                      2.00 a.m.                                      3. 3.00 p.m.                                      4. 3.00 a.m.

**060)** A is son of C, C and Q are sisters; Z is Q's mother P is son of Z. Which of the following statements is true?

1. P and A are cousins  
2. P is the maternal uncle of A  
3. Q is A's grandfather  
4. C and P are sisters

\*\*\*\*\*