

SECTION –A (ENGLISH)

Direction for Q. 1-5 : Read the given passage carefully and answer the questions that follow.

Do not study too long at once So long as the mind work with ease, it may be allowed to continue working, but if we find it move slowly and extra trouble is needed to keep the attention fixed, it is far better to break off and take a walk or have some other recreation, than to go in plodding until one feels wholly Exhausted. To continue to force the mind to work is likely to lead to injurious result and May end in a nervous breakdown from which recovery is slow and troublesome.

1. While marking the observation “Do not study too long”, the author suggest that

- (A) Excess of everything is bad.
- (B) Reading continuously for long hours is tiring.
- (C) Mind is Delicate and it should not be taxed too much.
- (D) Doing mental work beyond a certain limit may cause serious injury to the man.
- (E) None of these.

2. The underlying tone of the passage is that

- (A) Man should work within limit.
- (B) Reading continuously for long hours is tiring.
- (C) Mind is Delicate and it should not be taxed too much.
- (D) Doing mental work beyond a certain limit may cause serious injury to the man.
- (E) None of these.

3. The underlying tone of the passage is that

- (A) He finds his mind working when
- (B) He has a headache.
- (C) His thought process is clouded.
- (D) He finds it difficult to concentrate.
- (E) None of these.

4. The writer suggest that the man cause of mental breakdown is:-

- (A) A life of anxiety and worry.
- (B) Too much work and little diversion
- (C) Excessive mental work leading to exhaustion
- (D) A strenuous life.
- (E) None of these.

5. “.... than to go on plodding.....” The word plodding means

- (A) Slow moving and unexciting
- (B) Putting excessive and unexciting
- (C) Methodical
- (D) Taking stress
- (E) None of these.

6. Improve the sentences given below by changing its underlined portion.

- (A) Why did not you speak.
- (B) That why did you not speak.
- (C) Why you did not speak
- (D) Why did you not spoke
- (E) None of these.

7. Give an appropriate filler.

_____ Myra would have been able to secure a good first division.

- (A) If she would have studies more
- (B) If she were studying more.
- (C) If she had studies more.
- (D) Is she studied more.
- (E) None of these.

8. Identify the word spelt wrong.

- (A) Bereavment
- (B) beseech
- (C) Bureauctacy
- (D) Billards
- (E) None of these.

9. Identify the mood of the verb underlined in the given sentence. you yourself can best explain.

- (A) Indicative Mood
- (B) Subjunction Mood
- (C) Imperative Mood
- (D) All of These
- (E) None of these.

10. Give the antonym of the word when written in capital letters Below.

PENCHANT

- (A) Antipathy
- (B) Druther
- (C) Eagerness
- (D) Weakness
- (E) None of these.

SECTION – B (MENTAL ABILITY & REASONING)

1. If $C=D$, $P=Q$, $U=V$ and $Y=Z$ then select code for ABORT:
 - (A) Z A R S E
 - (B) C D P E F
 - (C) B C P S W
 - (D) B C P S U
 - (E) None of these.

2. Complete the series: 1,3,11,123,?
 - (A) 15131
 - (B) 15132
 - (C) 15133
 - (D) 15134
 - (E) None of these.

3. In certain code, SHIFT is coded as RFEB0. Which word would be coded as LKUMB?
 - (A) MMXQG
 - (B) MLVNC
 - (C) MJVLC
 - (D) ALL of these
 - (E) None of these.

4. Sandeep's mother is the only daughter of rekha's father. How is rekha's husband related to sandeep?
 - (A) Uncle
 - (B) Brother
 - (C) Grandmother
 - (D) Father
 - (E) None of these.

5. The cube of a number is 8 times the cube of another number. If the sum of the cubes of number is 243, the difference of the numbers is.
 - (A) 3
 - (B) 4
 - (C) 6
 - (D) All of these
 - (E) None of these.

6. A number is 4 less than two times the other number. If their differences is 21, which one is the greater number?
 - (A) 50
 - (B) 46
 - (C) 31
 - (D) 35
 - (E) None of these.

7. How many 6's there in the following number sequence which are immediately preceded by 9 but not immediately Followed by 4 ?
5 6 4 3 2 9 6 3 1 6 4 9 6 4 2 1 5 9 6 7 2 1 4 7 4 9 6 4 2
 - (A) One
 - (B) Two
 - (C) Three
 - (D) Four
 - (E) None of these.

8. Find the missing number in place of question mark(?)
 - (A) 34
 - (B) 39
 - (C) 44
 - (D) 45
 - (E) None of these.

9. Complete the series given below.
A, E, I, L, ?, S
 - (A) Q
 - (B) M
 - (C) P
 - (D) N
 - (E) None of these.

10. If CAR = 9 and DRIVER = 36, then LICENCE will be?
 - (A) 39
 - (B) 49
 - (C) 14
 - (D) 69
 - (E) None of these.

SECTION – C (SCIENCE)

1. Product obtained by burning coal in the presence of air is:
 - (A) Coal gas
 - (B) Coal tar
 - (C) Coke
 - (D) Carbon dioxide
 - (E) None of these.
2. Eye lens is which of the following types of lens?
 - (A) Concave lens
 - (B) Convex lens
 - (C) Simple lens
 - (D) All of these
 - (E) None of these.
3. Which of the following characteristic of a sound wave is measured in hertz?
 - (A) Amplitude
 - (B) Time - period
 - (C) Frequency
 - (D) Loudness
 - (E) None of these.
4. Our sun is mainly composed of which of the following gases?
 - (A) Hydrogen
 - (B) Helium
 - (C) Nitrogen
 - (D) Oxygen
 - (E) None of these.
5. Which one of the following match is incorrect?
 - (A) Rust of wheat - Fungi
 - (B) Citrus canker - bacteria
 - (C) Yellow vein mosaic - virus
 - (D) Aspergillosis - bacteria
 - (E) None of these.
6. Where does nucleolus is present in a cell?
 - (A) In the cytoplasm
 - (B) In the Mitochondria
 - (C) In the nucleus
 - (D) In the ribosomes
 - (E) None of these.
7. Which one of the following carbon compound is found in the coal tar?
 - (A) Benzene
 - (B) Phenol
 - (C) Naphthalene
 - (D) All of these
 - (E) None of these.
8. The metal object on which electroplating is to be done is made:
 - (A) Negative electrode
 - (B) Positive electrode
 - (C) Neutral electrode
 - (D) Electrolyte
 - (E) None of these.
9. ___ reproduces by splitting into two.
 - (A) Mosquito
 - (B) Frog
 - (C) Amoeba
 - (D) Butterfly
 - (E) None of these.
10. Small bag of skin in which testes are enclosed is:
 - (A) Penis
 - (B) Scrotal sac
 - (C) Vas deferens
 - (D) Bladder
 - (E) None of these.

SECTION- D (MATHS)

1. The differences of square of two consecutive numbers are 6.
What will be the sum of these numbers?
(A) 81
(B) 41
(C) 61
(D) 51
(E) None of these
2. A batsman make a score of 148 in his 29th innings and therefore his average increases by 4. His average after 29 inning is _____.
(A) 32
(B) 34
(C) 36
(D) 38
(E) None of these.
3. If $U = \{1,3,5,7,9,a,b,c,d\}$ and $A = \{1,3,5\}$ and $B = \{a,b,c\}$ then $(A \cup B)$
(A) $\{1,3,5,a,b,c\}$
(B) $1,3,5$
(C) $\{a,b,c\}$
(D) $\{7,9,d\}$
(E) None of these.
4. In a group of student, 8 students like reading a book and 5 student like watching a cartoon channel. If 3 of them like both reading a book and watching a cartoon channel, then how many students are there in the group?
(A) 16
(B) 22
(C) 10
(D) 19
(E) None of these
5. A room is in the form of a cuboid of measures 60m x 40m x 30m. How many cuboidal boxes can be stired in it the volume of one box is 0.8 m.cube?
(A) 75000
(B) 65000
(C) 60000
(D) 90000
(E) None of these
6. Select the one which is difference from the other in the following numbers.
(A) 324
(B) 441
(C) 289
(D) 326
(E) None of these
7. The price of an article is increased successively over three consecutive weeks. It is increased by 10% in the first week, 20% in the second week and 25% in the third week. Find the effective percentage increase its price after 3 week?
(A) 65%
(B) 60%
(C) 55%
(D) 50%
(E) None of these
8. If $5.4 = 2025$, $3.2 = 69$ and $1.4 = 41$, then the value of 2.1 is
(A) 42
(B) 24
(C) 12
(D) 21
(E) None of these
9. Prem driving his bike at 30km/hr reaches his office 20 min late. Had he drives his nike 28% faster he would have reached 10 min earlier than the scheduled time. How far is his office from home?
(A) 72 km
(B) 60 km
(C) 36 km
(D) 24 km
(E) None of these
10. IF x,y,z and t are real numbers with $x > y$ and $z > t$, then which of the following is true?
(A) $x + z > y + t$
(B) $x + z = y + t$
(C) $x - t > y - z$
(D) $x - t = y - z$
(E) None of these

SECTION- E (GENERAL KNOWLEDGE)

1. In which month the World War – II started?
 - (A) March
 - (B) June
 - (C) November
 - (D) September
 - (E) None of these
2. In which month SAARC was founded?
 - (A) 1977
 - (B) 1983
 - (C) 1985
 - (D) 1995
 - (E) None of these
3. The organisation of the south East Asian countries is known as:
 - (A) OPEC
 - (B) ASEAN
 - (C) NATO
 - (D) UNCTAD
 - (E) None of these
4. In which of the following states, the office of Lokayukta was first established?
 - (A) Maharashtra
 - (B) Uttar pradesh
 - (C) Bihar
 - (D) Odisha
 - (E) None of these
5. The oldest mountain range of India is:
 - (A) The Aravallis
 - (B) The Himalayas
 - (C) The Sahyadris
 - (D) The Vindhyas
 - (E) None of these
6. Who among the following introduced the silver coin called 'tanka' ?
 - (A) Alauddin Khilji
 - (B) Qutubuddin Aibak
 - (C) Iltutmish
 - (D) Balban
 - (E) None of these
7. Who gave the slogan, 'Tum mjhe khoon do, Main tumhe azadi dunga' ?
 - (A) Chandra shekhar Azad
 - (B) Subhash Chandra Bose
 - (C) Ram Prasad Bismil
 - (D) Isha Ullah Khan
 - (E) None of these
8. Perspiration is maximum when
Air is dry and temperature is low
 - (A) Air is humid and temperature is low
 - (B) Air is humid and temperature is high
 - (C) Air is dry and temperature is high
 - (D) None of these
9. Farrukhabad is famous for
 - (A) Carpet weaving
 - (B) Glassware
 - (C) Perfume manufacture
 - (D) Block printing
 - (E) None of these
10. Which of the following is a semiconductor?
 - (A) Plastic
 - (B) Aluminium
 - (C) Wood
 - (D) Germanium
 - (E) None of these