

# **SAMPE PAPER COMM ASSTT, HVAC/AUTO/ E&M TECH, VIGILANCE & SUPPLY ASSTT,**

**ENGLISH**

**Complete the sentences by choosing the most appropriate word, from the given lettered choices (A to D) below each.**

1. My Professor's criteria for the essay \_\_\_\_\_ unclear to me.

- A. are
- B. is
- C. was
- D. was being

2. \_\_\_\_\_ the polar icecaps melt, many coastal cities and small islands could be completely submerged.

- A. For
- B. However
- C. If
- D. Although

**Five lettered pairs (A to E) follow a related pair of words given in capitals. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair in capitals.**

3. HEADACHE: ASPIRIN::

- A. insect: insecticide
- B. allergy: ragweed
- C. quinine: malaria
- D. infection: antibiotic
- E. poison: toxin

4. FINE: SPEEDING::

- A. watch: retiring
- B. certificate: achieving
- C. key: unlocking
- D. payment: working
- E. penalty: fouling

**Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.**

5. PROFUSION:

- A. deficiency
- B. certainty
- C. proliferation
- D. largeness
- E. maximum

**6. MODERATE:**

- A. calm
- B. reason
- C. whisper
- D. intensify
- E. lead

**Choose the word most similar in meaning to the capitalized ones.**

**7. RESTIVE:**

- A. crucial
- B. restless
- C. rousing
- D. striated

**8. REMONSTRATE:**

- A. show
- B. atone
- C. vouchsafe
- D. argue

**Questions 9-12 are based on the following passage**

Migration of animal populations from one region to another is called faunal interchange. Concentrations of species across regional boundaries vary, however, prompting zoologists to classify routes along which penetrations of new regions occur.

A corridor, like the vast stretch of land from Alaska to the southeastern United States, is equivalent to a path of least resistance. Relative ease of migration often results in the presence of related species along the entire length of a corridor; bear populations, unknown in South America, occur throughout the North American corridor. A desert or other barrier creates a filter route, allowing only a segment of a faunal group to pass. A sweepstakes route presents so formidable a barrier that penetration is unlikely. It differs from other routes, which may be crossed by species with sufficient adaptive capability. As the name suggests, negotiation of a sweepstakes route depends almost exclusively on chance, rather than on physical attributes and adaptability.

9. It can be inferred from the passage that studies of faunal interchange would probably
- A. fail to explain how similar species can inhabit widely separated areas.
  - B. be unreliable because of the difficulty of observing long-range migrations.
  - C. concentrate on correlating the migratory patterns of species that are biologically dissimilar.
  - D. help to explain how present-day distributions of animal populations might have arisen.

10. The author's primary purpose is to show that the classification of migratory routes

- A. is based on the probability that migration will occur along a given route
- B. reflects the important role played by chance in the distribution of most species
- C. is unreliable because further study is needed
- D. is based primarily on geographic and climatic differences between adjoining regions

11. The word "vary" could best be replaced with

- A. moved
- B. vast
- C. change
- D. appear

12. According to the passage, in order to negotiate a sweepstakes route, an animal species

- A. has to spend at least part of the year in a desert environment
- B. must sacrifice many of its young to wander through pastures
- C. must have the capacity to adapt to a very wide variety of climates
- D. does not need to possess any special physical capabilities

**BASIC MATH**

13. If  $x^2 + 3x - 28 = 0$ , what is one possible value of  $\frac{2x-1}{x^2}$ ?

- A.  $-9/16$
- B.  $1/7$
- C.  $13/49$
- D.  $15/49$
- E.  $7/16$

14.  $122.992 - (?) = 57.76 + 31.1$ .

- A.  $34.378$
- B.  $35$
- C.  $34.132$
- D.  $38.132$

15.  $\frac{2 \div (2 \times 2)}{2 \div (2 \times 2)} = ?$

- A.  $2$
- B.  $4$
- C.  $\frac{1}{2}$
- D.  $1$

16. Three books and 4 notebooks cost Rs.40. one book and four notebooks cost Rs.30, what is the cost of one notebook?

- A. Rs.6
- B. Rs.6.25
- C. Rs.5
- D. Rs.4.25

17. The diameter of a circle is  $\frac{14}{44}$  cm. What is its circumference. Take  $\pi$

$$= \frac{22}{7}$$

- A.  $2.2\text{cm}$
- B.  $1\text{cm}$
- C.  $22\text{ cm}$
- D.  $\frac{4}{7}\text{ cm}$
- E.  $2\text{cm}$

**IQ**

18. Jemeela is now twice as old as Ahmed but 6 years ago she was 5 times as old as he was. How old is Jameela now?

- A. 8
- B. 16
- C. 20
- D. 24
- E. 32

19. Heavy is to Light as Rough is to\_\_\_\_\_.

- A. Coarse
- B. Smooth
- C. Soft
- D. Wood

20. What will come next in the following series?

2 90 4 80 6 70 8 60...?

- A. 10,12
- B. 10,50
- C. 12,52
- D. 50,10
- E. 12,50

## EVERY DAY SCIENCE

21. Normal boiling point of pure water is:

- A. 32°C
- B. 72°C
- C. 80°C
- D. 100°C

22. A body immersed in a fluid experiences an upward thrust which depends on:

- A. density of the body material
- B. shape of the body
- C. weight of the fluid displaced by the body
- D. volume of the body



## GENERAL KNOWLEDGE

23. BDU stands for:

- A. Basic Detection Unit
- B. Bomb Disposal Unit
- C. Body Detection Unit
- D. Basic Deployment Unit

24. Iran was formerly known as:

- A. Burma
- B. Persia
- C. Mesopotamia
- D. Formosa





## Answer KEYS

Q #.	Right Choice
1	A
2	C
3	D
4	E
5	A
6	D
7	B
8	D
9	D
10	A
11	C
12	D
13	E
14	C
15	D
16	B
17	B
18	B
19	B
20	B
21	D
22	C
23	B
24	B