

**DEPARTMENT OF ADMINISTRATIVE SCIENCES
QUAID-I-AZAM UNIVERSITY
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ENTRY TEST (SAMPLE PAPER)

Candidates have to answer the questions on a separate answer sheet. Specimen of the answer sheet is given along with the sample paper. Please study the instructions carefully

CURRENT AFFAIRS / GENERAL KNOWLEDGE

1. What is the National Sports of Spain?

- a. Football b. Bull fighting c. Archery d. Baseball

2. The Headquarter of the International Monetary Fund is at:

- a. Washington b. London c. New York d. Tokyo

3. Ikebana is :

- a. A game like judo
b. A Japanese style of flower arrangement
c. A custom among certain races of joint wine taking
d. A dance style of Japan

4. The UNO was founded on the:

- a. 26 January b. 27 August c. 1st January d. None of the above

5. Prime minister of UK is:

- a. T. Blaire b. G. Brown c. M. Foot d. None of the above

6. Princess Diana died in an accident on:

- a. August 31, 1996
b. August 31, 1998
c. August 30, 1996
d. August 31, 1997

7. Successful bidder in the PTCL privatization was

- a. Etisalat
b. China Mobile
c. Emirates Telecom
d. Sangtel

8. The cost of the tri-nation (Pakistan, Iran & India) gas pipeline project is

- a. \$400 billion
b. \$ 40 billion
c. \$ 4 billion
d. \$ 14 billion

9. Shah Fahd , King of Saudi Arabia died on 1st August. Prince Abdullah was named new king who was the crown prince since:

- a. 1982 b. 1984 c, 1992 d.1995

10.FIFA Football World cup 2007 was won by :

- a. Brazil b. France c. Italy d. None of the above

MATHEMATICS

11. What percent of 112 is 14?

- a. 0.125% b. 8% c. 12.5% d. 125%

12. If the average of the set of numbers is {3, 8, 9, y} is 6, then what is the median?

- a. 6 b. 4 c. 7 d. 8.5

13. Mr X has twice as much as invested in stocks as bonds. Last year, the stock investment paid 7.5% of their value while the bonds paid 10% of their value. If the total that both investments paid last year was R 1000, how much did Mr X have invested in stocks?

- a. Rs 3636 b. Rs 4000 c. Rs 7500 d. Rs 8000

14.If a train is traveling at an average speed of 105 km/hours, how much time will it take to travel between two stations 7 kilometers apart?

- a. 15 minutes b. 4 minutes c. 10 minutes d. 12 minutes e. 6 minutes

15. If $2x - y = 10$ and $2x = 20$, then $y =$

- a. 15 b. 60 c. 15 d. 10 e. 36

16. If the circumference of a circle is 10π which of the following could be the area of the circle?

- a. 20π b. 25π c. 36π d. 81π e. 100π

17. The lengths of the sides of a triangle are in a ratio of 3 to 5 to 6. If the perimeter of the triangle is 70, what is the length of the longest side?

- a. 5 b. 6 c. 15 d. 25 e. 30

18. $a + b = \sqrt{14}$ and $a - b = \sqrt{6}$

What is $a^2 + b^2 = ?$

- a. 15 b. 10 c. 20 d. 22 e. 12

19. Of the 400 cadets in a graduating class, 30 percent were women and of these $\frac{1}{5}$ became instructors. If the number of men who became instructors was twice the number of women who became instructors, how many of the men became instructors?

- a. 120 b. 48 c. 40 d. 24 e. 20

20. There are 450 boxes to load on a truck. A and B are working independently but at the same time take 30 minutes to load the truck. How long should it take B working alone to load the truck?

(i). A loads twice as many boxes as B

(ii). A would take 45 minutes by himself

- a. Statement (i) alone is sufficient but statement (ii) alone is not sufficient
b. Statement (ii) alone is sufficient but statement (i) alone is not sufficient
c. Both statements together are sufficient but neither statement alone is sufficient
d. Each statement alone is sufficient

ENGLISH

Directions: The passage below is followed by questions based on its content. Choose the best answer to each question

At the present time, 98 percent of the world energy consumption comes from stored sources, such as fossil fuels or nuclear fuels. Only hydroelectric and wood energy represent completely renewable sources on ordinary time scales. Discovery of large additional fossil fuel reserves, solution of the nuclear safety and waste disposal problems, or the development of controlled thermo-nuclear fusion will provide only a short term solution to the world's energy crisis. Within about 100 years, the thermal pollution resulting from our increased energy consumption will make solar energy a necessity at any cost.

Mans energy consumption is currently about one part in ten thousand that of the energy that we receive from the sun. However it is growing at a 5 percent rate, of which 2

percent represents a population growth and 3 percent per capita energy increase. If this growth continues, within 100 years our energy consumption will be about 1 percent of the absorbed solar energy, enough to increase the average temperature of the earth by about 1 degree centigrade if stored energy continues to be our predominant source. This will be the point at which there will be significant effects in our climate, including the melting of the polar ice caps, a phenomena that will raise the level of the oceans and flood parts of our major cities. There is a positive feedback associated with this process, since the polar ice cap contributes to the partial reflectivity of the energy arriving from the sun: As the ice caps begin to melt, the reflectivity will decrease, thus heating the earth still further.

It is often stated that the growth rate will decline or that energy conservation measures will preclude any long-range problem. Instead, this only postpones the problem by a few years. Conservation by a factor of two together with a maintenance of the 5 percent growth rate delays the problem by only fourteen years. Reduction of the growth rate to 4 percent, postpones the problem by only twenty-five years; in addition, the inequalities in the standard of living through out the world will provide pressure towards an increase in growth rate., particularly if cheap energy is available. The problem of a changing climate will not be evident until perhaps ten years before it becomes critical due to the nature of an exponential growth rate together with the normal annual weather variations. This may be too short a period to circumvent the problem by converting to other energy sources, so advance planning is a necessity.

The only practical means of avoiding the problem of thermal pollution appears to be use of solar energy. (Schemes to “air condition” the earth do not appear to be feasible before the twenty first century) Using the solar energy before it is dissipated to heat does not increase the earth’s energy balance. The cost of solar energy is extremely favourable now, particularly when compared to the cost of relocating many of our major cities.

21. The author is primarily concerned with

- A) describing a phenomena
- B) outlining a position and supporting it with statistics
- C) isolating and ambiguity and clarifying it by definition
- D) presenting a problem and advocating a solution for it
- E) citing a counter argument and refuting it

22. According to the passage, all of the following are factors that will tend to increase thermal pollution **EXCEPT**

- A) the earth’s increasing population
- B) melting of the polar ice caps
- C) increase in per capita energy consumption
- D) pressure to redress standard of living inequities by increasing energy consumption
- E) expected anomalies in weather patterns

23. The positive feedback mentioned in the passage means that the melting of the ice caps will

- A) reduce per capita energy consumption
- B) accelerate the transition to solar energy
- C) intensify the effects of thermal pollution
- D) necessitate a shift to alternate energy sources
- E) result in the inundation of major cities

24. The possibility of energy conservation is mentioned in order to

- A) preempt and refute a possible objection to the author's position
- B) support directly the central thesis of the passage
- C) minimize the significance of a contradiction in the passage
- D) prove that such measures are ineffective and counter productive
- E) supply the reader with additional background information

25. It can be inferred that the "air condition" of the earth refer to the proposals to

- A) distribute frigid air from the polar icecaps to coastal cities as the temperature increases due to thermal pollution
- B) dissipate the surplus of the release of stored solar energy over absorbed solar energy into space
- C) conserve completely renewable energy sources by requiring that industry replace these resources
- D) avoid further thermal pollution by converting to solar energy as opposed to conventional and nuclear sources
- E) utilize hydro-electrical and wood energy to replace non-conventional energy sources such as nuclear energy

Directions: Each of the questions below contain one or more blank spaces, each blank space indicating that something has been omitted. Each sentence is followed by five (5) words or set of words. Read and determine the general sense of each sentence. Then choose the word, a set of words that, when inserted in the sentence, best fits the meaning of the sentence.

26. Since the results of the experiment were _____ the body of research already completed, the committee considered the results to be _____.

- A) similar tospeculative
- B) inconsistent with....anomalous
- C) compounded byheretical
- D) dispelled byconvincing
- E) contradicted byredundant

27. Psychologists believe that modern life _____ neurosis because of the _____ of traditional values that define acceptable behavior.

- A) copes with....inundation
- B) strives forcondoning
- C) concentrates onplethora
- D) fosters.....disappearance
- E) corroborates....dispelling

28. Although _____ continues on minor points, the ___ themes of the General's plan have been accepted.

- A) Discussion ... peripheral
- B) debate central
- C) dissension... cultural
- D) discovery ... main
- E) agreement ... basic

Each of the following questions consists of a word printed in capital letters followed by five (5) words or phrases. Choose the word or phrase that is most nearly opposite in meaning to the word in capital letters.

29. ENIGMATIC

- A) talkative
- B) oppressed
- C) easily understood
- D) easily avoided
- E) very common

30. ENERVATE

- A) invigorate
- B) contemplate
- C) necessitate
- D) evaluate
- E) elucidate

31. PRECIPITOUS

- A) well planned
- B) gargantuan
- C) prolific
- D) short lived
- E) extremely hostile

32. SPURIOUS

- A) malignant
- B) authentic
- C) incumbent
- D) gracious
- E) speculative

In each of the following questions, you are given a related pair of words or phrases in capital letters. Each capitalized phrase is followed by five (5) pairs of words or phrases. Choose the pair that best expresses a relationship similar to that expressed by the original pair.

33. EXEMPLARY : REPROACH

- A) erroneous : correction
- B) accomplished : praise
- C) fulfilling : control
- D) planned : implementation
- E) unimpeachable : criticism

34. RAIN : DELUGE

- A) pond : ocean
- B) desert : camel
- C) ore : iron
- D) street : road
- E) wheat : crop

35. MENDICANT : BEGGING

- A) competitor : joining
- B) legislator : funding
- C) miser : donating
- D) prevaricator : lying
- E) mechanic : selling

36. LUBRICANT : FRICTION

- A) balm : pain
- B) eraser : correction
- C) solvent : paint
- D) reagent : chemical
- E) merchant : business

Direction: Each item in this exercise is a sentence, a part or all of which has been underlined. The underlined part contains an error. Choose the best way of rewriting the sentence.

37. Lawyers and doctor alike both agree that something should be done about the rise in medical malpractice suits which are on the increase.

- A) alike agree that something should be done about the rise in medical malpractice suits
- B) both agree that something should be done about the increasing rise in medical malpractice suits
- C) agree that something should be done about the rise in medical malpractice suits, which are increasing
- D) agree that something should be done about the rise in the number of medical malpractice suits

38. The obviously bitter actress stated that if the director would have known what he was doing, the play would have run for more than one night.

- A) had the director known what he was doing, the play would have run
- B) if the director would have known what he was doing, they would run
- C) had the director known what he was doing, they would run
- D) if the director knew what he was doing, they would have run

39. Dr Smith's findings that emotions affect blood pressure, is different from those published by Dr Loeb.

- A) are different from those
- B) are different than those
- C) is different than those
- D) are different from that

40. Entering professional tennis as a talented but shy and awkward teen-ager, for the eight years that Steffi Graf was the dominant force on the women's circuit, a powerful and consistent player.

- A) Entered into professional tennis as a talented but shy and awkward teen-ager, Steffi Graf was for eight years
- B) Steffi Graf entered professional tennis as a talented yet shy and awkward teenager but was for eight year
- C) For eight years, having entered professional tennis as a talented yet shy and awkward teenager, Steffi Graf was
- D) Having entered professional tennis for eight years as a teenager who was talented yet shy and awkward, Steffi Graf was

