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SAMPLE PAPER
FOR

PRE-ADMISSION ENTRY TEST BATCH 2023

BACHELOR PROGRAMMES

(SAMPLE PAPER)
(CATEGORY BS- CIVIL ENGINEERING)
(Total Marks 100)

Part-I (English)	30 Questions
Part-II (Mathematics)	30 Questions
Part-III (Computer)	10 Questions
Part-IV (Physics)	10 Questions
Part-V (Chemistry)	10 Questions
Part-VI (General Knowledge)	10 Questions

PART-I (ENGLISH)

VOCABULARY: SYNONYMS

1. Choose the alternative closest in meaning to the underlined words in the following sentence.

He decided to deceive the tax authorities.

- a) **Mislead** b) Confuse c) Puzzle d) Target

2. **Synonym of Alert ?**

- a) Intelligent b) Energetic c) **Watchful** d) Observant

VOCABULARY: ANTONYMS

Choose the alternative opposite in meaning to the underlined words in the following sentence.

1. Her nephew isn't ugly.

- a) **Beautiful** b) Handsome c) Large d) Heavy

2. **Antonym of Artificial ?**

- a) Puzzle b) Confuse c) **Mislead** d) Target

USE OF PREPOSITION

1. The chair is made _____ Wood.

- a) With b) **of** c) From d) To

2. Our college is affiliated _____ university of Sindh.

- a) From b) by c) of d) **With**

ERROR DETECTION

1. George has not completed the assignment yet and Maria hasn't neither.
a) The assignment b) Has not c) Yet **d) Hasn't neither**

2. After she had bought himself a new automobile, she sold her bicycle.
a) **Himself** b) Had bought c) She told d) Her

READING COMPREHENSION

1. **Read the given paragraph and choose the best option as the summary.**

Can we see that the earth is a globe? Yes, we can, when we watch a ship that sails out to sea. If we watch closely, we see the ship begin to disappear. The bottom of the ship disappears first, and then the ship seems to sink lower and lower, until we can only see the top of the ship, and then we see nothing at all. What is hiding the ship from us? It is the earth. Stick a pin most of the way into an orange, and slowly turn the orange away from you. You will see the pin disappear, just as a ship does on the earth.

1. **This story is mainly about.**
a) **The shape of the earth.** b) Traveling to the New World
c) Sailing ships in the old days d) The shapes of fruits, such as oranges

2. **The ship in this story**
a) Probably sank to the bottom of the ocean. **b) Was going farther and farther away.**
c) Was actually a toy d) Was a sailing ship.

3. **A globe is shaped like.**
a) A box. b) A pyramid.
c) **An orange.** d) An ice cream cone.

PART-II (MATHEMATICS)

1. **32 is 40 percent of what number ?**
a) 128 b) 12.8 c) 800 d) **80**
2. **Solve $3 + 6 \times (5 + 4) \div 3 - 7$.**
a) **14** b) 11 c) 15 d) 16
3. **What is the average of the first 150 natural numbers?**
a) 70 b) **75** c) 75.5 d) 105
4. $\sin\left(\frac{\pi}{2} - \theta\right)$
a) $\sin \theta$ b) **$\cos \theta$** c) $\tan \theta$ d) $\cot \theta$
5. The limit of $\frac{x^2-4}{x-2}$ as x tends to 2 is _____?
a) **4** b) 2 c) -2 d) 0
6. Find the equation of the parabola with focus F(0, -5) and directrix Y = 5?
a) $X^2 = 20Y$ b) $Y^2 = -20X$ c) **$X^2 = -20y$** d) $Y^2 = 20X$

PART-III (COMPUTER)

1. **The brain of any computer system is _____?**
a) Monitor b) Hard Disk c) **CPU** d) RAM
2. **In the computer system, 1 Nibble is equal to ___?**
a) 4 bytes b) **4 bits** c) 8 bits d) 16 bits
3. **What is known as temporary memory or volatile memory_____?**
a) SSD b) HDD c) **RAM** d) ROM

PART-IV (PHYSICS)

1. **The magnitude of vector $6\mathbf{i} + 2\mathbf{j} + 3\mathbf{k}$ is ?**
a) 49 b) **7** c) 11 d) 121
2. **The formula of inter-conversion of centigrade and Fahrenheit scale is _____?**
a) $C-32/9$ b) **$F-32/9 = C/5$** c) $F-32/9C/9$ d) None
3. If $g = 9.8 \frac{m}{s^2}$ at the surface of earth, the value of 'g' at a height equal to the radius of earth is : (Radius of the Earth = 6400km)
a) $4.9 \frac{m}{s^2}$ b) $9.8 \frac{m}{s^2}$ c) **$2.45 \frac{m}{s^2}$** d) $19.6 \frac{m}{s^2}$

PART-V (CHEMISTRY)

1. Electron was discovered by _____?
a) M. Faraday b) Newton **c) J.J Thomson** d) James Maxwell
2. The radioactive isotope of hydrogen is called _____?
a) Tritium b) Deuterium c) Protium d) A.O.T
3. Chromatography is used to separate _____?
a) Solution **b) Mixtures** c) Molecules d) Atoms

PART-VI (GENERAL KNOWLEDGE)

1. **Hottest desert of world is ?**
a) Sahara Desert b) Arabian Desert c) Thar Desert d) Cholistan Desert
2. **The Capital of Maldives is ?**
a) Abuja b) Thimpu **c) Male** d) None
3. **K-2 is also known as ?**
a) Broad Peak b) Roshan Peak c) Sia Kingri **d) Godwin Austin**