

Annex A

Paper Pattern

Program: **BSCS / BSSE / BEEE**

Time Allowed: 1 hour

Paper Type: Objective type (MCQ based)

Sections: Four

Details of Sections:

- | | | |
|------|--|------------------------------------|
| i. | Section I: Mathematics and Analytical Skills | (20 questions) Compulsory for all |
| ii. | Section II: English | (20 questions) Compulsory for all |
| iii. | Section III: Physics | (20 questions) Compulsory for all |
| iv. | Section IV: Computers | (15 questions) For Pre-Engineering |
| v. | Section V: Chemistry | (15 questions) For ICS |

Note: Calculator are **NOT** allowed.

Model Paper

Section I - Mathematics & Analytical Skills

Choose the correct answer:

Q.1. $\frac{3}{4}$ part of tank is full of water. When 30 litres of water is taken out it becomes empty. The capacity of the tank is?

- | | |
|-------------|-------------|
| a) 36 litre | c) 40 litre |
| b) 38 litre | d) 42 litre |

Q.2. The sum of four consecutive integers is 1290. The greatest of them is?

- | | |
|--------|--------|
| a) 321 | c) 323 |
| b) 322 | d) 324 |

Q.3. Which word does NOT belong with the others?

- | | |
|----------|---------|
| A. Leg | C. Foot |
| B. Glove | D. Shoe |

Section B: ENGLISH

PICK THE CORRECT CHOICE

1. If there is some chance of succeeding, it would be unwise to _____ it at this stage.

- A. craggy C. abandon
- B. grasp D. clutch

2. Choose the sentence which is most appropriate – grammatically, semantically & logically.

- A. Sorry to keep you. How long are you waiting? C. Sorry to keep you. How long have you been waiting?
- B. My apologies for delaying. How long have you been waiting D. None

3. Choose the sentence which is most appropriate - grammatically, semantically and logically

- A. This site will give at least several no-follow links to your blogs and site from your articles.
- B. This site allows you to give several no-follow links to your blogs and site from your articles
- C. Both are wrong.

Section C: PHYSICS

1 Name of the instrument to measure atmospheric pressure?

- a Barometer c Bolometer
- b Barograph d Calipers

2 Which instrument is used to measure the power of electric circuit?

- a Voltmeter c Wave meter
- b Wattmeter d Viscometer

3 Who discovered Atom?

- a Madam Curie c Rutherford
- b James Chadwick d John Dalton

Section D: Computers

1 WWW stands for ?

- a World Whole Web c Web World Wide
- b Wide World Web d World Wide Web

2 USB refers to a kind of port in the system.

- a TRUE
- b FALSE

3 If a computer has more than one processor then it is known as ?

- a Uniprocess c Multithreaded

b Multiprocessor

d Multiprogramming

Section E: Chemistry

1 Due to rusting the weight of iron

a decreases

c unchanged

b increases

d none of the above

2 Mass number of a nucleus is

a the sum of the number of neutrons and protons

always less than its atomic

b always more than the atomic weight

c number

d None of these

3 Which is not a type of elements

a Metals

c Metalloids

b Non Metals

d Gases
