

# ADMISSION TEST

**BS (Bioinformatics)**



**SAMPLE TEST**

*Department of Bioinformatics & Biotechnology*

**Faculty of Basic and Applied Sciences**

**International Islamic University, Islamabad.**

**SECTION I****English (Question 1 - 10)**

1. While UK has earned record revenue this year, \_\_\_\_\_ well behind in exports.  
(A) it still lag  
(B) it still lags  
(C) it lag still  
(D) it lags still
  
2. Anna and Tania went shopping, but \_\_\_\_\_ couldn't find anything \_\_\_\_\_ liked.  
(A) they, those  
(B) they, them  
(C) those, they  
(D) they, they
  
3. Nuclear energy is \_\_\_\_\_ dangerous to be used widely.  
(A) so  
(B) such  
(C) too  
(D) that

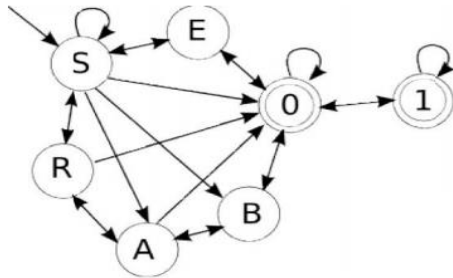
**SECTION II****Mathematics (Question 11 – 20)**

11. What is the distance travelled by a car which travelled at a speed of 80km/hr for 3 hours and 30 minutes?
- A. 275km
  - B. 280km
  - C. 285km
  - D. 290km
12. In a class of 40 students 20% are girls. How many boys are there in the class?
- a. 26
  - b. 28
  - c. 30
  - d. 32
13. Price of sugar is increased by 25%. The percentage of consumption to be decreased so that there would be no increase in the expenditure is
- A. 18%
  - B. 20 %
  - C. 22%
  - D. 24%
14. The number, whose 7% is 42, is
- A. 300
  - B. 400
  - C. 500
  - D. 600

**SECTION III**

**Analytical Reasoning (Question 21 – 30)**

21. Engineers build rafts. For river traffic control, all rafts should be registered. It means that each raft should have a license plate with unique text. The text is composed of letters and digits according to below diagram: start with the letter B and end with digit 0 or 1.



Which of the following license plates cannot be registered?

- A) SS0001
- B) SSS100
- C) SSS001
- D) SBA001

22. You have a long roll of colored paper for a party you are hosting. The paper has three different colors (yellow, red, blue) in a regularly repeating pattern. Your sister has cut out a section of the paper, as shown in the diagram below.



Your sister will give you back the missing piece of paper (shown as ...) if you can correctly guess the size of the piece she cut out. Your sister tells you the piece of paper she cut out is one of the following lengths. Which one is it?

- A) 31
- B) 32
- C) 33
- D) 34

23. Twelve men take 6 hours to finish a piece of work. After the 12 men have worked for 1 hour, the contractor decides to call in 8 more men. How many more hours would 20 men take to complete the remaining work?

- A) 2
- B) 3
- C) 4
- D) 5

**SECTION IV****Subject based (Question 31 - 100)**

31. Severe deficiency of Vitamin-D results in \_\_\_\_\_.
- a. scurvy
  - b. rickets
  - c. night blindness
  - d. osteomalacia
32. People living in high altitudes (like mountains) usually have a \_\_\_\_\_.
- a. smaller number of Red Blood Cells
  - b. larger number of Red Blood Cells
  - c. smaller number of White Blood Cells
  - d. larger number of White Blood Cells
33. The average internal temperature of human body is \_\_\_\_\_.
- a. 35 °C
  - b. 36 °C
  - c. 37 °C
  - d. 38 °C
34. \_\_\_\_\_ is essential for the formation of haemoglobin.
- a. Calcium
  - b. Iron
  - c. Water
  - d. Carbohydrates
35. Haemodialysis means cleaning of
- (A) urine
  - (B) blood
  - (C) glomerular filtrate
  - (D) coelomic fluid
36. A group of genetically identical offspring produced by asexual method called:
- a. Spore
  - b. Clone
  - c. Crop
  - d. Bud
38. Where is RAM located?
- a. Expansion Board
  - b. External Drive
  - c. Mother Board
  - d. All of the above

39. Physical components of computers are called
- a. Software
  - b. Hardware
  - c. Database
  - d. Terminals
40. The operating system manages
- a. Memory
  - b. Processor
  - c. Disk & I/O Devices
  - d. All of the above
41. In how many generations a computer can be classified?
- a. 3
  - b. 4
  - c. 5
  - d. 6
42. In which of the following form, data is stored in computer?
- a. Decimal
  - b. Binary
  - c. Hexadecimal
  - d. Octal
43. Which part of the computer helps to store information:
- a. Disk drive
  - b. Keyboard
  - c. Monitor
  - d. Printer
  - e. None of the above