



# GC UNIVERSITY LAHORE

## Department of Computer Science

### BSCS Entry Test Sample



Instructions: Each Question has 4 possible answers (A, B, C, D). You have to fill the circle on FACE SHEET relevant to correct answer. DO NOT WRITE ANY ANSWER ON THIS QUESTION PAPER. You can use backside of this question paper for rough work.

- Q1.** If x percent of y is 50 then what is y
- |      |       |     |        |
|------|-------|-----|--------|
| A 2x | B 50x | C X | D None |
|------|-------|-----|--------|
- Q2.**  $X = 25a^2 - 25b^2$  and  $Y = [5(a-b)]^2$  then
- |       |       |       |            |
|-------|-------|-------|------------|
| A X=Y | B X<Y | C X>Y | D Not sure |
|-------|-------|-------|------------|
- Q3.** Three of out every 8 students in GCU use public transport. If the university has a strength of 6000, how many students use public transport?
- |        |        |        |        |
|--------|--------|--------|--------|
| A 2150 | B 2700 | C 2250 | D 2400 |
|--------|--------|--------|--------|
- Q4.** What is next number in the series. 0, 2, 6, 12, 20, 30,
- |      |      |      |      |
|------|------|------|------|
| A 40 | B 32 | C 42 | D 50 |
|------|------|------|------|
- Q5.** What is next number in series 1,1,2,3,5,8,13,
- |      |      |      |        |
|------|------|------|--------|
| A 20 | B 18 | C 21 | D None |
|------|------|------|--------|
- Q6.** For how many two digit positive numbers will tripling the tens digit give us a two digit number that is triple of the original.
- |     |     |     |     |
|-----|-----|-----|-----|
| A 0 | B 2 | C 3 | D 4 |
|-----|-----|-----|-----|
- Q7.** The expression  $x^2 - 8x + 12$  is equal to 0 when  $x = 2$  and when  $x = ?$
- |      |      |      |     |
|------|------|------|-----|
| A -2 | B -4 | C -6 | D 6 |
|------|------|------|-----|
- Q8.** if  $a+b = 3(c+d)$  which if the following is average of a, b, c, d?
- |       |           |            |            |
|-------|-----------|------------|------------|
| A c+d | B (c+d)/4 | C 3(c+d)/8 | D 3(c+d)/4 |
|-------|-----------|------------|------------|
- Q9.**  $(x-2)(x+3) - (x-4)(x+5) =$
- |     |      |       |       |
|-----|------|-------|-------|
| A 7 | B 14 | C -14 | D -26 |
|-----|------|-------|-------|
- Q10.**  $c^2 + d^2 = 4$  and  $(c-d)^2 = 2$ , what is value of cd?
- |       |              |         |                      |
|-------|--------------|---------|----------------------|
| A 1   | B $\sqrt{2}$ | C 2     | D 3                  |
| A 1/3 | B 2          | C ln(2) | D $\frac{\ln(3)}{2}$ |
- Q11.** Rule to add two scalars is
- |                     |                   |                   |        |
|---------------------|-------------------|-------------------|--------|
| A Head to tail rule | B Simple addition | C Right hand rule | D None |
|---------------------|-------------------|-------------------|--------|
- Q12.** Current passing through a conductor of resistance 100 MΩ due to 10MV potential difference is
- |         |          |        |         |
|---------|----------|--------|---------|
| A 0.1 A | B 100 mA | C None | D A & B |
|---------|----------|--------|---------|

**Pick the most suitable opposite of the following words.**

- Q13.** Magnify
- |          |              |           |            |
|----------|--------------|-----------|------------|
| A Forget | B comprehend | C Extract | D Diminish |
|----------|--------------|-----------|------------|

- Q14.** CRYPTIC
- |          |          |          |               |
|----------|----------|----------|---------------|
| A Candid | B Futile | C Famous | D Indifferent |
|----------|----------|----------|---------------|

**Write the Most suitable pair of Prepositions**

- Q15.** To get to the Marketing department, you have to go \_\_\_\_\_ those stairs and then \_\_\_\_\_ the corridor to the end.

6	Up/Along	B	Between/Into	C	out of / into	D	up to / out of
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- Q16.** The auditing of accounts means the official inspection of a company's accounts by a qualified accountant, and this — by law each year.

A	requires	B	is required	C	has been required	D	must be required
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**Read the following passage carefully and select the best answer of the questions below.**

“Drug companies lose money when they manufacture drugs for those suffering from rare diseases, because selling drugs to a few people usually does not recoup research and manufacturing costs. Therefore a company manufacturing drug for Loxemia disease will eventually lose money”

- Q17.** Which of the following statement does not support the conclusion of above paragraph?

- A. Loxemia is a common disease.
- B. No private company manufactures drugs for Loxemia.
- C. Research on Loxemia cure is funded by government.
- D. Cancer drugs are very costly and Loxemia is a rare type of cancer.

- Q18.** Which argument is in favor of the above paragraph.

- E. No private company is manufacturing Loxemia Drug.
- F. Loxemia patients are given free drugs by companies.
- G. Prices of Loxemia drugs are falling rapidly.
- H. Loxemia disease is cured by operation only.