BS (COMPUTER SCIENCE) SAMPLE TEST PAPER

Following are the 4 test that will be used for BS(CS) Candidates:

Total: 100 Question

20 Questions from each section

Total Time: 90 minutes

BS(CS)-Pre-Eng

Sections:

- 1. General Knowledge
- 2. English
- 3. Physics
- 4. Chemistry
- 5. Mathematics

BS(CS)-Pre-Med

Sections:

- 1. General Knowledge
- 2. English
- 3. Physics
- 4. Chemistry
- 5. Biology

BS(CS)-Sci-Gen/Computers

Sections:

- 1. General Knowledge
- 2. English
- 3. Physics
- 4. Computing
- 5. Mathematics

BS(CS)-Others

Sections:

- 1. General Knowledge
- 2. English
- 3. Analytics
- 4. Computing
- 5. Mathematics

1. General Knowledge

1.	The largest ocean of the world is		?
	b) c)	Atlantic Pacific Indian None of these	
2.	Wł	nich is the longest river of Pakistan?	
	b) c)	River Ravi Indus River River Cheenab River Jehlum	
3.	Em	nirates is an airline of?	
	b) c)	Saudi Arabia Qatar UAE Malaysia	
4.	Ca _l	pital of India is?	
	b) c)	Mumbai Dehli Chennai Lucknow	
5.	Sha	aheen Air Line is the airline of?	
	b) c)	Pakistan Brunei India Iran	

2.English

1.	The science departments wanted the money to be used for laboratory equipments the chancellor decided in favour of the library.		
	a. So that		
	b. Consequently		
	c. But		
	d. Although		
	a. Attiough		
2.	The teacher often <u>discusses</u> our difficulties & <u>offers</u> helpful		
	suggestion.		
	a. Discusses		
	b. About		
	c. Offers		
	d. Suggestion		
3.	It was past bed time, when I <u>arrived home</u> , but I found them <u></u> a		
	the table waiting for me.		
	a. Past		
	b. Arrived home		
	c. Sitting both		
	d. Waiting for me		
4.	It was midnight he finished his home work.		
	a. Although		
	b. When		
	c. After		
	d. So		
5.	The idea for the air supported plastic structure from an		
	aeronautical engineer in 1945.		
	a. For		
	b. Has come		
	c. An		
	d. In		

3.Physics

1.	 If the sizes of charged bodies are very small compa we treat them as 	If the sizes of charged bodies are very small compared to the distances between them, we treat them as		
	a. Zero chargesb. Point chargesc. Single charged. No charges			
2.	2. The property which differentiates two kinds of cha	rges is called		
	a. Equality of chargeb. Polarity of chargec. Fraction of charged. None of the option			
	Explanation: The property which differentiates two kincharge.	nds of charges is called polarity of		
3.	3. The ionisation potential of hydrogen is 13.6 V. The be (a) -10.2 eV (b) -6.4eV (c) - 3.4 eV (d) - 4.4 eV	energy of the atom in n = 2 state wil		
4.	 4. The electron in hydrogen atoms is excited to n = 5 frequencies of radiation which may be emitted is: (a) 4 (b) 10 (c) 8 (d) 5 	state, the number of different		
5.	5. The ratio of the angular momentum of an electron orbit is (a) 12 (b) 14 (c) 4 (d) 2	in first orbit to that in the second		

4.CHEMISTRY

1.	The constituent part of matter is/are
b. c.	Electron Proton Neutron All of these
2.	Which of the following colours possess highest frequency?
b. c.	Yellow Green Blue Indigo
3.	Second shell can have electrons.
a. b. c. d.	7
4.	Which of the following atom has largest radius?
b.	Na Mg Ca K
5.	Analysis of an unknown substance showed that it has a high boiling point and is brittle. It is an insulator as a solid but conducts electricity when melted. Which of the following substances would have those characteristics?
c.	HCI AI KBr SiF ₄

5. Mathematics

b. An irrational

c. Neither rational nor irrational

1. Can we write 0 in the form of p/q?
a. Yes
b. No
c. Cannot be explained
d. None of the above
Explanation: 0 is a rational number and hence it can be written in the form of p/q.
Example: 0/4 = 0
2. The three rational numbers between 3 and 4 are:
a. 5/2, 6/2, 7/2
b. 13/4, 14/4, 15/4
c. 12/7, 13/7, 14/7
d.11/4, 12/4, 13/4
Explanation: There are many rational numbers between 3 and 4
To find 3 rational numbers, we need to multiply and divide both the numbers by $3+1=4$
Hence, 3 x (4/4) = 12/4 and 4 x (4/4) = 16/4
Thus, three rational numbers between 12/4 and 16/4 are 13/4, 14/4 and 15/4.
3. In between any two numbers, there are:
a. Only one rational number
b. Two rational numbers
c. Infinite rational numbers
d. No rational number
Explanation: Take the reference from question number 2 explained above
4. $\sqrt{9}$ is number.
a. A rational

d. None of the above

Explanation: $\sqrt{9} = 3$

5. $3\sqrt{6} + 4\sqrt{6}$ is equal to:

a. 6v6

b. 7√6

c. 4√12

d. 7√12

Explanation: $3\sqrt{6} + 4\sqrt{6} = (3 + 4)\sqrt{6} = 7\sqrt{6}$

6.Biology

d) Electrolysis

a) b) c)	trol of organisms by using living organisms is called Bioremediation Integrated disease management Antisepsis Biological control
2. Brar	nch of biology which deals with the study of chemical components and chemical
	ses in living organisms is called
a)	Molecular biology
b)	Physiology
-	Biochemistry
d)	Atomic biology
	is the potential source of chemical energy for cellular activities
,	C-H bond
	C-O bond
	C-N bond
a)	P-O-C bond
4. Pero	entage of water in brain cells is
a)	20%
b)	65%
c)	85%
d)	89%
5. Brea	akdown of large molecules into smaller ones utilizing water molecules is
a)	Hydration
b)	Hydrolysis
c)	Dehydration synthesis

7.Computing

1 is a set of rules that defines how webpages transfer on the Internet
a. Top-level domain
b. Hypertext Transfer Protocol
c. IPv4
d. Web 2.0
2. Power users may work with a high-end desktop, sometimes called a(n), that is
designed to handle intense calculations and powerful graphics.
a. Laptop
b. Server farm
c. Gaming desktop
d. workstation
3 software is an application that allows users to organize data in columns and rows
and perform calculations on the data.
a. Spreadsheet
b. Presentation
c. Document management
d. Database
4 The is the main circuit board of the computer.
a.ALU
b.Motherboard
c.CPU
d. System chassis
5. The is the method the Internet uses to store domain names and their
corresponding IP addresses.
a. domain name system (DNS)
b. W3C
d. File Transfer Protocol (FTP)
c. top-level domain (TLD) d. File Transfer Protocol (FTP)

8. Analytics

Question(1-4)

A developer will build five houses in a certain town on a street that currently has no houses on it.

The developer will select from seven different styles of houses—F, G. H, I, J, K. and L. The town's planning committee has placed the following restrictions on the developer: No style can be selected for more than one house.

Either style I must be selected or style L must be selected, but both cannot be selected. If style K is selected, then style H must also be selected.

If style G is selected, then style I cannot be selected.

1. If style G is one of the styles selected for the street, then which of the following sty	les must
also be selected?	
(A)E	

(A)F (B) J (C) K (D) **L**.

2. Which of the following is an acceptable combination of styles that can be selected for the street?

(A)F, G, H, J. K (B) F, G, J, K, L (C) F, H, J H. L (D) G. H, I, J. K

3. If style L is one style not selected for the street, then the other style NOT selected must be which of the following? -

(A)F (B) G **(C) H** (D) I

4. If F, G. and J are three of the styles selected for the street, then which of the following must be the other two styles selected?

(A) H and I
(B) H and K
(C) H and L
(D)I and K

Question 5-9

Seating arrangement in a row:

Directions for questions 9 to 13: Answer the questions based on the following information.

- i. A, B, C, D, E, F and G are sitting on a bench and all of them are facing East.
- ii. C is to the immediate right of D, but not next to F.

iii. B is at the extreme end and has E as his neighbour.iv. G is between E and F.v. D is sitting third from the South end.
5. Who is sitting to the right of E? (1)A (2) C (3) D (4) G
 6. Which of the following pairs is sitting at the extreme ends? (1)A, B (2) A, E (3) C, B (4) F, B
7. The person sitting third from the North end is (1)E (2) F (3) G (4) D
8. Between which of the following pairs is D sitting?(1)A, C(2) A, F(3) C, E(4) C, F
9. Which of the conditions from i to v given above is not required to find out the place where A is sitting?

- (1) i
- (2) ii
- (3) iii
- (4) All are required.