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**I. Choose the only correct answer of the multiple choice questions.**

1. Meiosis is the mechanism by which ploidy
  - A. is reduced from diploid to haploid
  - B. is duplicated
  - C. remains the same
  - D. can be changed from triploid to tetraploid
  - E. can be multiplied
  
2. Which of the following statements about the electron transport chain is true?
  - A. Electrons are received from NADH and FADH<sub>2</sub>.
  - B. Electrons are passed from donor to recipient carrier molecules in series of oxidation-reduction reactions.
  - C. Usually the terminal electron acceptor is oxygen.
  - D. Most of the enzymes are part of the inner mitochondrial membrane.
  - E. All of the above.
  
3. Which is the first structure stimulated in a reflex arc?
  - A. effector
  - B. motor neuron
  - C. receptor
  - D. intermediate neuron
  - E. primary nephron
  
4. Which one represents the largest portion of the human cerebral cortex?
  - A. Primary somatosensory cortex
  - B. Frontal cortex
  - C. Primary motor cortex
  - D. Hypothalamus
  - E. Thalamus
  
5. In the kidneys of mammals, loop of Henle can be found in...
  - A. medulla
  - B. cortex
  - C. pelvis
  - D. calyx
  - E. none of that
  
6. An allele is
  - A. a truncated form of a particular gene.
  - B. the more frequent form of the DNA sequence of a particular gene.
  - C. the less frequent form of the DNA sequence of a particular gene.
  - D. a never expressed (silent) DNA sequence, which is a dysfunctional homologue of a known gene.
  - E. one of two or more forms of the DNA sequence of a particular gene.

7. The presence of an enzyme affects the
  - A. amount of activation energy required
  - B. overall energy change, or  $\Delta G$ .
  - C. energy of the reactants.
  - D. energy of the products.
  - E. free energy of the transition state.
  
8. What is the anticodon?
  - A. a part of a double stranded DNA
  - B. a part of a single stranded DNA
  - C. a part of a mRNA
  - D. a part of a tRNA
  - E. a part of a rRNA
  
9. Which one of the followings can occur in the nucleus?
  - A. Fatty acid synthesis
  - B. Protein synthesis
  - C. Starch synthesis
  - D. RNA synthesis
  - E. Cellulose synthesis
  
10. Which organelles contain genetic material?
  - A. mitochondria
  - B. nucleus
  - C. chloroplast
  - D. B and C
  - E. A, B and C

**II. Give the definitions.**

Mendels’s first law:.....

.....

.....

Transcription: .....

.....

.....

## BIOLOGY SAMPLE TEST 2

**1. In the formation of a macromolecule, what type of reaction would join two subunits together?**

- A) hydrophobic reaction
- B) hydrolysis reaction
- C) condensation reaction
- D) denaturation reaction

**2. In bacteria, some of the functions of eukaryotic cells are performed by**

- A) vesicles
- B) lysosomes
- C) mitochondria
- D) nucleoli
- E) the plasma membrane

**3. Enzymes embedded in the membrane of the smooth ER**

- A) synthesize lipids
- B) may be used for detoxification
- C) synthesize carbohydrates
- D) mostly are active only when associated with a membrane
- E) all of the above

**4. Clathrin-coated pits are used to**

- A) extrude bulk fluids from the cell
- B) allow desired molecules directly into the cytoplasm
- C) pass wastes in vesicles to the outside.
- D) bring desired substances from the environment into the cell in vesicles

**5. Cystic fibrosis results from defective ion channels for**

- A) Na<sup>+</sup>
- B) Cl<sup>-</sup>
- C) Ca<sup>++</sup>
- D) ClO<sub>3</sub><sup>-</sup>
- E) H<sup>+</sup>

**6. In aerobic cellular respiration, which generates more ATP, substrate-level phosphorylation or chemiosmosis?**

- A) substrate-level phosphorylation
- B) chemiosmosis
- C) both generate the same amount of ATP
- D) neither generates any ATP

**7. In anaphase I**

- A) sister chromatids move toward opposite poles
- B) homologous chromosomes move toward opposite poles
- C) terminal chiasmata move toward opposite poles
- D) homologous chromosomes move toward the same pole
- E) homologous chromosomes move randomly toward either pole

**8. The condensation of the chromosome portion containing the rRNA genes causes the disappearance of the**

- A) nucleus
- B) aster
- C) centriole
- D) tubulin
- E) nucleolus

**9. Since the first nucleotides cannot be linked in a newly synthesized strand in DNA replication, \_\_\_\_\_ is required.**

- A) a DNA primer
- B) DNA polymerase
- C) ligase
- D) an RNA primer
- E) helicase

**10. Which of the following are not matched correctly:**

- A) virulent virus-lytic cycle
- B) temperate virus-non-infecting virus
- C) lysogenic virus-viral genome becomes part of the host genome
- D) lytic cycle-kills host cell
- E) none of the above

**11. The skeletal event that terminates a person's vertical growth is**

- A) the replacement of spongy bone by compact bone in the growth plate
- B) the death of Haversian cells in the growth plate
- C) the filling of Haversian canals with calcium in the growth plate
- D) the complete conversion of the growth plate from cartilage to bone

**12. During muscle contraction, Ca<sup>++</sup> ions bind to**

- A) troponin
- B) tropomyosin
- C) myosin
- D) acetylcholine
- E) actin

**13. When triglycerides combine with proteins, they form small particles called**

- A) jaundice
- B) bile
- C) omasum
- D) chylomicrons

**14. Which of the following contains oxygenated blood in an adult human?**

- A) right atrium
- B) pulmonary artery
- C) pulmonary vein
- D) all of the above
- E) none of the above

**15. During exhalation in humans, air moves from the bronchus into the**

- A) bronchioles
- B) alveoli
- C) nostrils
- D) pharynx
- E) trachea

**16. GABA (gamma-aminobutyric acid) is normally found at**

- A) neuromuscular junctions
- B) nodes of Ranvier
- C) sensory receptors
- D) excitatory synapses
- E) inhibitory synapses

**17. The cells responsible for color vision in vertebrates are called**

- A) rod cells
- B) cone cells
- C) bipolar cells
- D) cupula cells
- E) ampullae

**18. Precursors of macrophages are called**

- A) T cells
- B) killer cells
- C) B cells
- D) plasma cells
- E) monocytes

**19. Which of the following would be least likely to be found in the glomerular filtrate?**

- A) plasma proteins
- B) glucose and amino acids
- C) water
- D) urea
- E) all of the above are likely to be found in the glomerular filtrate

**20. Ovulation is caused by the hormone**

- A) FSH
- B) progesterone
- C) oxytocin
- D) estrogen
- E) LH

## Solutions to Biology Sample Test 1

1. D

2. B

3. C

4. D

5. B

6. E

7. E

8. A

9. D

10. C

11. A

12. A

13. E

14. D

15. C

16. B

17. B

18. E

19. B

20. D

## Solutions to Biology Sample Test 2

1. C

2. E

3. E

4. D

5. B

6. B

7. B

8. E

9. D

10. B

11. D

12. A

13. D

14. C

15. E

16. E

17. B

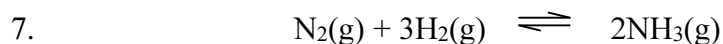
18. E

19. A

20. E

## CHEMISTRY SAMPLE TEST 1

1. A sample of  $N_2$  gas occupies 4.48 L volume under standard conditions (1 atm,  $0^{\circ}C$ ). What is the mass of the sample? The atomic mass of N is 14 amu.
- A: 5.6 g    B: 56 g    C: 2.8 g    D: 28 g    E: 22.4 g
2. Which properties are characteristic for the nonmetals?
1. high electrical conductivity
  2. large ionization energy
  3. high electronegativity
  4. low electron affinity
- A: 1,2    B: 2,3    C: 3,4    D: 2,4    E: 1,2,3
3. Concerning  $1.2 \times 10^{24} CO_2$  molecules, which statements are true? The molar mass is 44 g/mol.
1. it is 12 moles.
  2. it occupies  $1.2 \times 22.4$  L volume under standard conditions.
  3. it has a mass of 88 grams.
  4. it consists of  $3.6 \times 10^{24}$  atoms.
- A: 1,3    B: 1,4    C: 2,3    D: 2,4    E: 3,4
4. Which of the following substances contain covalent bonds only?
1.  $BaCl_2(aq)$
  2.  $CCl_4(l)$
  3.  $HCl(g)$
  4.  $NH_4Br(aq)$
- A: 1,2,3,4    B: 1,2,4    C: 2,3    D: 1,3    E: 2,3,4
5. Which of the following atoms are isotopes of each other?
- X*: 11 protons, 11 electrons, 12 neutrons  
*Y*: 11 protons, 10 electrons, 12 neutrons  
*V*: 11 protons, 11 electrons, 13 neutrons  
*W*: 12 protons, 12 electrons, 12 neutrons
- A: *X* and *Y*    B: *X* and *W*    C: *Y* and *V*    D: *V* and *W*    E: *X* and *V*
6. An aqueous solution is prepared by dissolving 1.6 g NaOH in 250 mL final volume. What is the molar concentration of the solution? The molar mass of NaOH is 40 g/mol
- A: 6.4 mol/L  
B: 1.6 mol/L  
C: 16 mol/L  
D: 0.16 mol/L  
E: 64 mol/L



The reaction is exothermic towards product formation. Which of the following changes of conditions will shift the equilibrium of the reaction to the right?

1. increase the pressure.
2. increase the concentration of  $\text{NH}_3$ .
3. increase the concentration of  $\text{H}_2$  gas.
4. decreasing the temperature.

A: 1,3,4      B: 2,3      C: 2,4      D: 2,3,4      E: 1,2,3,4

8. When two elements,  $X$  (atomic number 13) and  $Y$  (atomic number 8), react the compound formed will be:

A:  $\text{XY}$       B:  $\text{X}_3\text{Y}_2$       C:  $\text{XY}_2$       D:  $\text{X}_2\text{Y}$       E:  $\text{X}_2\text{Y}_3$

9. Which is the most basic solution?

- A:  $\text{pH}=11$
- B:  $\text{pOH}=12$
- C:  $\text{pOH}=2$
- D:  $[\text{OH}^-]=10^{-4} \text{ mol/L}$
- E:  $[\text{H}^+]=10^{-4} \text{ mol/L}$

10. Which set contains only polar molecules?

- A:  $\text{NH}_3$ ,  $\text{H}_2\text{O}$ ,  $\text{SO}_2$
- B:  $\text{SO}_3$ ,  $\text{H}_2\text{S}$ ,  $\text{H}_2\text{O}$
- C:  $\text{HCl}$ ,  $\text{CO}_2$ ,  $\text{NH}_3$
- D:  $\text{Cl}_2$ ,  $\text{SO}_2$ ,  $\text{CO}_2$
- E:  $\text{CCl}_4$ ,  $\text{H}_2\text{O}$ ,  $\text{NH}_3$

11. In any reaction where a calcium atom changes to calcium ion, the calcium atom

1. has lost an electron.
2. has become an anion.
3. has been oxidized.
4. has achieved noble gas electron configuration.

A: 1,2      B: 2,3      C: 3,4      D: 2,4      E: 2,3,4

12. What is the oxidation number of  $\text{Cr}$  in  $\text{K}_2\text{Cr}_2\text{O}_7$

A: -6      B: +6      C: +12      D: -12      E: +2

13. Which group has the greatest first ionization energy?

- A: halogens
- B: carbon family
- C: oxygen family
- D: alkali metals
- E: alkaline earth metals

14. Water solutions of the following five compounds have the same molar concentrations. Arrange them in the order of increasing pH.

A:  $\text{CH}_3\text{COOH}$ ,  $\text{HCl}$ ,  $\text{NaCl}$ ,  $\text{NH}_3$ ,  $\text{KOH}$

B:  $\text{KOH}$ ,  $\text{NH}_3$ ,  $\text{NaCl}$ ,  $\text{CH}_3\text{COOH}$ ,  $\text{HCl}$

C:  $\text{HCl}$ ,  $\text{CH}_3\text{COOH}$ ,  $\text{NaCl}$ ,  $\text{NH}_3$ ,  $\text{KOH}$

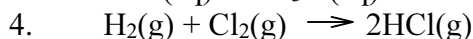
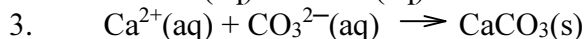
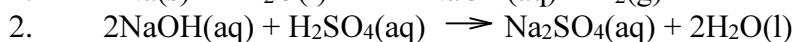
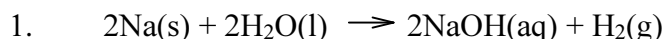
D:  $\text{HCl}$ ,  $\text{CH}_3\text{COOH}$ ,  $\text{NH}_3$ ,  $\text{KOH}$ ,  $\text{NaCl}$

E:  $\text{CH}_3\text{COOH}$ ,  $\text{HCl}$ ,  $\text{KOH}$ ,  $\text{NaCl}$ ,  $\text{NH}_3$

15. How many grams of solid potassium chloride are needed to prepare 200 mL solution with 15 % m/m concentration? The density of the solution is 1.2 g/mL.

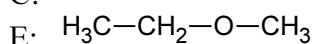
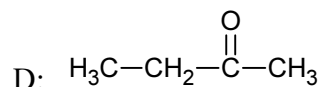
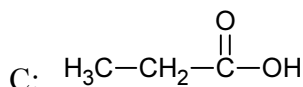
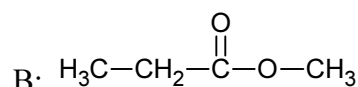
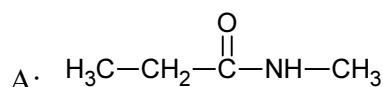
A: 25 g      B: 0.25 g      C: 360 g      D: 36 g      E: 0.09 g

16. Which are the oxidation-reduction reactions?

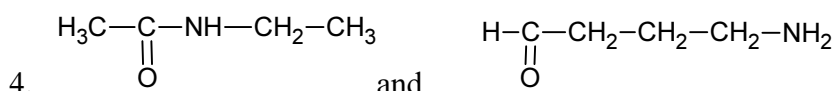
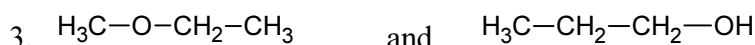
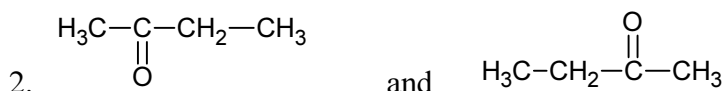
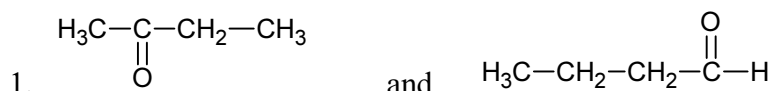


A: 1,2,3,4      B: 1,2      C: 3,4      D: 1,3      E: 1,4

17. Choose the compound with an ester group.

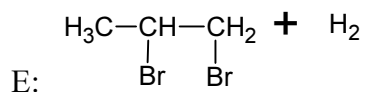
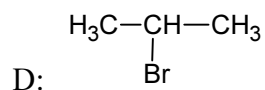
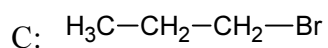
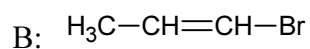
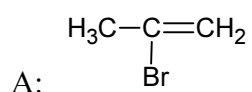


18. Which pairs are structural isomers?

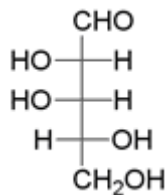


A: 1,2      B: 2,3      C: 1,3,4      D: 2,3,4      E: 1,2,3,4

19. The main product in the following reaction is:



20. Which statements are true for the following molecule in its open chain form?



1. It is an aldopentose.
2. It has 4 chiral carbon atoms.
3. It is a monosaccharide.
4. It is a D-sugar.

A: 1,3

B: 2,4

C: 3,4

D: 1,2,3

E: 1,3,4

## CHEMISTRY SAMPLE TEST 2

1. Which substances could be decomposed by chemical reactions?
1. water                      2. sugar                      3. mercury                      4. argon
- A: 1,2              B: 2,3              C: 3,4              D: 2,4              E: 1,3
2. What is the volume of 8.8 g CO<sub>2</sub> at STP? The molar mass of CO<sub>2</sub> is 44 g/mol.
- A: 22.4 L      B: 2.24 L      C: 44.8 L      D: 4.48 L      E: 0.20 L
3. Under the symbol of 2SO<sub>3</sub> you may understand
1. 2 moles of SO<sub>3</sub>  
2. 2 molecules of SO<sub>3</sub>  
3. 6 moles of O<sub>2</sub>  
4. 2 x 6 x 10<sup>23</sup> O atoms
- A: 1,2,4              B: 2,3              C: 3,4              D: 1,2,3              E: 1,2
4. A radioactive isotope has a half life of 10 days. What fraction of the original amount of the isotope remains after 30 days?
- A: 1/2              B: 1/3              C: 1/6              D: 1/8              E: 1/10
5. Which main energy shell can accommodate a maximum number of 8 electrons?
- A: 1              B: 2              C: 3              D: all of them              E: none of them
6. An element has the electron configuration of 1s<sup>2</sup>2s<sup>2</sup>2p<sup>6</sup>3s<sup>2</sup>3p<sup>2</sup>. The number of valence electrons is
- A: 2              B: 4              C: 8              D: 12              E: 14
7. Which element - shown with its electron dot symbol - gives a compound with nitrate ion that has the formula of X(NO<sub>3</sub>)<sub>2</sub>?
- A:  $\ddot{X}$               B:  $:\ddot{X}:$               C:  $\cdot\dot{X}\cdot$               D:  $\cdot\ddot{X}\cdot$               E:  $\cdot\ddot{X}\cdot$
8. Magnesium forms an ion with a charge of
- A: 1+ by losing one electron.  
B: 1- by gaining one electron.  
C: 2+ by losing two electrons.  
D: 2- by gaining two electrons.  
E: 3+ by losing 3 electrons.

9. Which molecules contain polar covalent bonds?

1. CO<sub>2</sub>                      2. CCl<sub>4</sub>                      3. F<sub>2</sub>                      4. KF

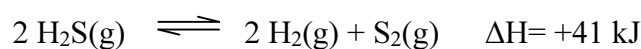
A: 1,2              B: 2,4              C: 1,2,3              D: 2,3,4              E: 1,3,4

10. Ionic bond is likely to form between the atoms of

1. C and Br              2. Ca and I              3. P and Cl              4. O and Na

A: 1,2              B: 2,3              C: 2,4              D: 1,2,4              E: 3,4

11. Which of the following changes will shift the reaction at equilibrium to the left?



1. Increase the concentration of H<sub>2</sub>S.
2. Decrease the temperature.
3. Increase the pressure.
4. Increase the concentration of H<sub>2</sub>.

A: 1,2              B: 1,2,3              C: 2,3,4              D: 1,2,3,4              E: 2,3

12. Which solution contains the largest amount of glucose?

- A: 0.5 L of 2 M solution  
B: 50 mL of 0.2 M solution  
C: 1000 mL of 1 M solution  
D: 0.25 L 5 M solution  
E: 500 mL 0.5 M solution

13. Choose the solution with the highest hydronium ion concentration.

- A: pH = 2 HBr solution  
B: pH = 2 HNO<sub>3</sub> solution  
C: 0.1 M HCl solution  
D: 0.1 M CH<sub>3</sub>COOH solution  
E: 0.1 M H<sub>3</sub>PO<sub>4</sub> solution

14. The oxidation number of Mn in MnO<sub>4</sub><sup>-</sup> ion is

A: +1              B: +8              C: +5              D: -7              E: +7

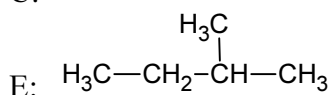
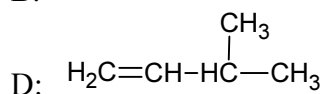
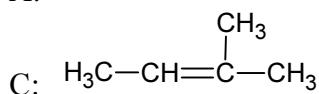
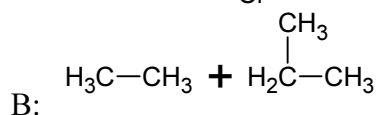
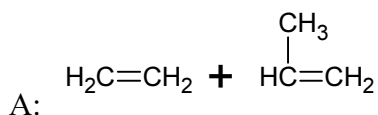
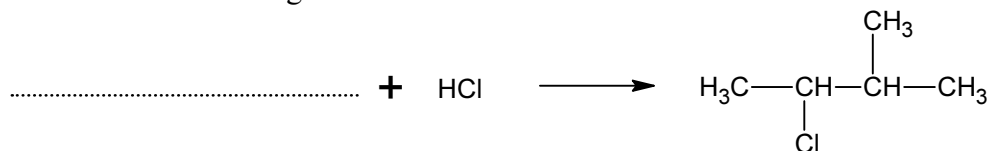
15. In the stomach the hydrochloric acid concentration is about 0.1 M. How many milliliters of the gastric fluid contain 0.5 g of HCl?  
The molar mass of HCl is 36.5 g/mol.

A: 36.5 mL    B: 137 mL    C: 0.011 mL    D: 91.3 mL    E: 1.8 mL

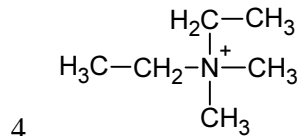
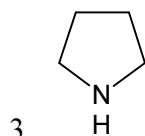
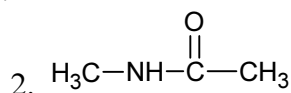
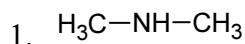
16. You need to prepare a sodium chloride solution with 10 % m/m concentration. If you start from 50 g of NaCl what is the mass of water needed to make the solution?

- A: 450 g    B: 500 g    C: 60 g    D: 5 g    E: 0.85 g

17. What is/are the missing reactant/s?



18. Which of the compounds below are amines?



A: 1,2

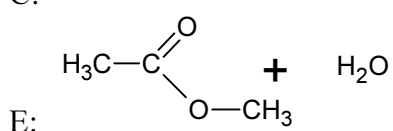
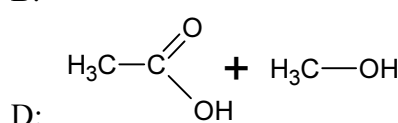
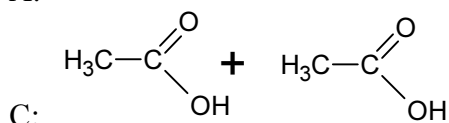
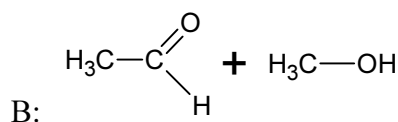
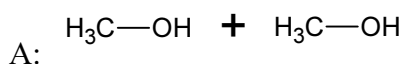
B: 1,2,3

C: 2,3,4

D: 1,2,3,4

E: 1,3,4

19. Which reactants produce an ester?



20. Which statement is *true* for disaccharides?

A: Cellulose is one of them.

B: Their solid phase has an ionic lattice structure.

C: They are well soluble in water.

D: They can be prepared from monosaccharides by hydrolysis.

E: They always contain an aldose and a ketose.

## Solutions to Sample Test Chemistry 1

1. A
2. B
3. E
4. C
5. E
6. D
7. A
8. E
9. C
10. A
11. C
12. B
13. A
14. C
15. D
16. E
17. B
18. C
19. D
20. E

## Solutions to Sample Test Chemistry 2

1. A
2. D
3. E
4. D
5. B
6. B
7. A
8. C
9. A
10. C
11. C
12. D
13. C
14. E
15. B
16. A
17. D
18. E
19. D
20. C



14. I ... my best friend for 15 years.  
a) know                      b) am knowing                      c) have known                      d) have been knowing
15. You ... noise in the library.  
a) mustn't                      b) needn't                      c) don't have to                      d) don't need to
16. You... those jeans. They don't suit you.  
a) shouldn't have bought                      b) shouldn't bought                      c) can't have bought                      d) can't bought
17. The midday weather was ... for us to walk around.  
a) too hot                      b) very hot                      c) so hot                      d) enough hot
18. I ... talk to her again if I were you.  
a) will talk                      b) would talk                      c) would have talk                      d) would talked
19. I am not sure where Tom is. He ... to the garage.  
a) might have gone                      b) can have gone                      c) should have gone                      d) would have gone
20. My friend invited me to his new villa, of ... he is very proud.  
a) what                      b) whom                      c) which                      d) that
21. Stomatology is the branch of medicine concerned with diseases of the \_\_\_\_\_.  
a) mouth                      b) stomach                      c) body                      d) gums
22. Patients with rheumatoid arthritis can experience a limited series of movement. 'Series of movement' means the same as \_\_\_\_\_.  
a) range of motion                      b) rate of motion                      c) rate of flexibility                      d) range of disability
23. Which suffix means diminution?  
a) -osis                      b) -pathy                      c) -itis                      d) -penia
24. Both doctors and patients should \_\_\_\_\_ to find the most beneficial way of treating hypertension.  
a) change                      b) strive                      c) concern                      d) consider
25. When an electrical impulse is released from the SA node, it \_\_\_\_\_ the atria \_\_\_\_\_.  
a) is caused - contract                      b) causes - contraction  
c) causes - to contract                      d) is causing - to contract

26. Many factors are known to influence an individual's susceptibility to infection. The word 'susceptibility' means the same as\_\_\_\_\_.

- a) capability                      b) morbidity                      c) predisposition                      d) response

27. If one has vascular problems, he has to see a/an\_\_\_\_\_.

- a) urologist                      b) pulmonologist                      c) angiologist                      d) nephrologist

28. An \_\_\_\_\_ in the conduction of the impulse from the SA node to other parts of the heart is known as heart block.

- a) impairment                      b) impediment                      c) exertion                      d) arrhythmia

29. Loss of bone mass in osteoporosis is a degenerative process. The word 'degenerative' means the same as \_\_\_\_\_.

- a) deteriorating                      b) delayed                      c) continuous                      d) up-building

30. \_\_\_\_\_ methods are based on practical experience, such as observations.

- a) Etiological                      b) Empirical                      c) Pathological                      d) Physiological

## ENGLISH SAMPLE TEST 2

1. His sister ... in Madrid for the last five years.  
a) was living                      b) lived                      c) lives                      d) has been living
2. As there is no answer when I knock, I think he ... out.  
a) ought to be                      b) must to have been                      c) must be                      d) might been
3. By this time next year you ... London.  
a) will leave                      b) will have left                      c) will be leaving                      d) will have been left
4. That bag looks heavy. I ... you with it.  
a) am helping                      b) will help                      c) help                      d) must to help
5. A new novel by Dan Brown ... .  
a) has just published                      b) just published                      c) was just published                      d) has just been published
6. Ten years ago, he ... ten hours a day.  
a) could be able to work                      b) was able work                      c) was able to work                      d) able to work
7. I ... the book back to the library yesterday.  
a) must take                      b) had to take                      c) have to take                      d) must have to take
8. You ... this essay for this class. It is due only in two weeks.  
a) needn't have written                      b) can't have written                      c) must have written                      d) need have written
9. The arrangements ... without my knowledge.  
a) were made                      b) had been made                      c) were making                      d) had made
10. Mary ... in England for 10 years. Now she lives in the States.  
a) has lived                      b) had lived                      c) lived                      d) has been living
11. What ... this time next week?  
a) will you do                      b) will you be doing                      c) shall you do                      d) will you have done
12. Sally has been working here ... .  
a) for six months                      b) since six months                      c) six months ago                      d) six months before
13. As soon as we ... the office the phone started ringing.  
a) entered                      b) have entered                      c) were entering                      d) had been entering
14. She says she'd be ... if you travelled to Scotland on holiday.  
a) very happier                      b) much more happier                      c) more happier                      d) much happier

15. Julia didn't phone me ... she promised.  
 a) in spite of                      b) although                      c) even                      d) however
16. There ... hardly any people in the streets when the delegation passed.  
 a) was                      b) has been                      c) were                      d) have been
17. I don't think the lift ... yet.  
 a) has repaired                      b) has been repaired                      c) was repaired                      d) had been repaired
18. You ... lie down. You look terribly pale.  
 a) would better                      b) had better                      c) would rather                      d) had rather
19. Mum warned me ... eat too much of the chocolate cake.  
 a) not                      b) don't                      c) shouldn't                      d) not to
20. Mr Jefferson is ... person to talk to.  
 a) a such interesting                      b) such an interesting                      c) a so interesting                      d) so an interesting
21. An osteosclerotic bone is dense and brittle, which means that it is\_\_\_\_\_.  
 a) compacted and breaks easily                      b) soft, fragile                      c) porotic, fragile                      d) easily deformed and fragile
22. '-tropic' is a suffix that means \_\_\_\_\_.  
 a) rupture                      b) nutrition                      c) stimulation                      d) herniation
23. A lack of vitamin A leads to eye dryness which is referred to as \_\_\_\_\_ in medicine.  
 a) keratosis                      b) keratitis                      c) xerophthalmia                      d) conjunctivitis
24. Tumors of the adrenal cortex results in virile characteristics in patients. The word 'virile' means the same as\_\_\_\_\_.  
 a) frail                      b) deteriorating                      c) dramatic                      d) manly
25. When a liquid can easily change into a gas, it is \_\_\_\_\_.  
 a) violent                      b) versatile                      c) sublime                      d) volatile
26. When unwanted content is emptied through a tube or a hole, such as urine from the urethra, it is referred to as \_\_\_\_\_.  
 a) voiding                      b) producing                      c) secreting                      d) incontinence
27. Which describes best the act or sound of coughing?  
 a) to breathe quickly, taking short breaths  
 b) sudden noisy expulsion of air from the lungs  
 c) a whistling sound while breathing  
 d) aspired air is blown out

28. The spinal cord is a cylindrical \_\_\_\_\_ located in the canal of the vertebral column.  
a) line                      b) structure                      c) curvature                      d) framework
29. The cerebrum forms most part of the brain. 'Most part' means the same as \_\_\_\_\_.  
a) fragment                      b) stalk                      c) bulk                      d) graft
30. Fibroblasts are stationary cells. The word 'stationary' means \_\_\_\_\_.  
a) arranged in lobules                      b) motile                      c) producing fibers                      d) not moving

## Solutions to English Sample Test 1

1. c
2. b
3. c
4. b
5. a
6. a
7. a
8. b
9. a
10. c
11. a
12. c
13. a
14. c
15. a
16. a
17. a
18. b
19. a
20. c
21. a
22. a
23. d
24. b
25. c
26. c
27. c
28. a
29. a
30. b

## Solutions to English Sample Test 2

1. d
2. c
3. b
4. b
5. d
6. c
7. b
8. a
9. a
10. c
11. b
12. a
13. a
14. d
15. b
16. c
17. b
18. b
19. d
20. b
21. a
22. b
23. c
24. d
25. d
26. a
27. b
28. b
29. c
30. d