

M-CAT 2012.

Courtesy: UMAIR YASIN

MCAT 2012 ENGLISH

Sorry if any things wrong

Pick the CORRECT option:

- a) Her father is an SP of punjab police
- b) her father is a SP of punjab police
- c) her father was a SP of punjab police
- d) her father were a Sp of punjab police

Bill Gates is one of the wealthiest persons in the world?

Bill gates is one the wealthiest person in the world?

She felt unreal to the voice announcing her about the accident?

She felt unreal as the voice announcing her about the accident?

Choose the correct synonyms:

1. Vertex

Ans : zenith

2. dissonance

Ans : inconsistency

3. sidle

a) sneak

b) sift

4: plethora

Ans: multitude

5: trifle

Ans: minor

6: murky

Ans: unclear

7. facile

A)superfluity

B)superficial

C)delicate

D)useless

8: magnum

A)magnanimity

- B) masterpiece
- C) mega
- D) magnificent

9. Xynado (?)

10. Query

Khan.

UHS MCAT 2012 Mcqs:

CHEMISTRY: Sorry if any things wrong

1. What is catenation?

2. The oxidation state of Mn in KMnO_4 , KMnO_2 , MnO_2 and MnSO_4 ?

3. What is the charge on an amino acid in basic solution?

4. Causes of acid rain

5. The reaction of fats with caustic soda is known as

- a : Esterification
- b: saponification

6. pH of acid rain is

- a: 5
- b: less than 5
- c: 7
- d : btw 5 n 7

7. When alcohol reacts with conc. sulphuric acid at 140 degree centigrade , the product formed is

- a aldehyde
- b alkenes
- c ether

8. which type of reactions are shown by dihaloalkane/secondary halogenoalkane

- a $\text{S}_\text{N}1$
- b $\text{S}_\text{N}2$
- c E1
- d both $\text{S}_\text{N}1$ and $\text{S}_\text{N}2$

9. Two amino acids combined together to form diamine. Glycine and alanine. How would they be named?

- a) Glycylalanine
- b) alanineglycyl?

10. the order of boiling point is?

- A. $\text{water} > \text{HF} > \text{ammonia} > \text{hydrogen chloride}$
- B. $\text{HF} > \text{water} > \text{HCl} > \text{NH}_3$

Khan

UHS MCAT 2012 Mcqs

PHYSICS: Sorry if any things wrong.

1. Calculate B in a solenoid with 10cm length, 100 turns, with 1 micro ampere current in it?

2. If bar magnet is hung from a rope. A solenoid is placed near it. If a magnet is moved inside the solenoid then what will happen to the magnet hanging?

- A) it will move near the solenoid
- B) it will move away

3. SI unit of equivalent dose is?

4. For the bombardment of x rays on target, target material should have the property of?

5. If source moves towards stationary object, then formula for changed frequency is?

6. If the Area of the each capacitor is doubled and the distance between them becomes one half, what will be the value of capacitance

- a) inc. by 4 times
- b) inc. by 2 times
- c) remains same
- d) becomes half

7. Half life of sodium 24?

8. Ratio of tensile stress to tensile strain is called?

9. What will be the apparent weight of the object falling with an acceleration

- a) zero
- b) 2mg

10. If the length of simple pendulum is doubled what will be the ratio of new old frequency to new frequency

- a) $\frac{1}{\sqrt{2}}$
- b) $\frac{1}{\sqrt{2}}$
- c) $\frac{1}{2}$
- d) $\frac{1}{4}$

11. The voltage applied across the capacitor is 10V and the capacitance of the capacitor is 1 micro Farad. What is the energy stored in the capacitor?

12. Two wires placed vertically are carrying current in opposite directions. Which of the following statements is true?

- a) magnetic field in region x is weaker as compared to y and z
- b) magnetic field in region x is stronger as compared to both y and z
- c) magnetic field in region x is weaker as compared to y but stronger as compared to z

13. A ball is moving inside a viscous fluid. The force acting on the ball is given by $F = 6\pi\eta r v$. This is called

- a) Stokes's law

14. Efflux speed of the fluid is 9.8m/s. What will be the height of the fluid?

15. Which one is the graph of a junction diode?

Khan.

UHS MCAT 2012 BIOLOGY Mcqs:
Sorry if any things wrong.

1. which is a terminal acceptor of electron in ETC

- a) cytochrome
- b) oxygen

2. heart rate breathing is controlled by?

3. role of mesosomes

- a) dna synthesis
- b) rna synthesis
- c) protein synthesis
- d) metabolism

4. fasciola is a name designated to

- A: tapeworm
- b: liver fluke
- c: earthworm
- d: pin worm

5. Ascaris is

- a) triploblastic
- b) diploblastic
- c) acelomates

6. What is pleiotropy?

7. In Down's syndrome, which pair fails to segregate?

8. At which stage FADH is formed in Krebs's cycle?

9. Biological unit which consists of a number of tissues

10. If 44 autosomes + xxy, which disease is it?

11. Carbohydrates composed of

12. Mesoderm form the...

13. Volume of air remaining in lungs

14. Peptide bond is between

15. How many FADH₂ are released in Krebs's cycle?

16. The components of homeostatic regulation are?

A) Cerebrum, medulla, Hypothalamus

17. Max absorption of water takes place in which part of the nephron?

18. The action of ADH is on which part of the nephron?

19. What is the number of cranial nerve pairs?

20. Which is formed by fusion of 4 posterior vertebrae of pelvic girdle?

21. Bundles of myofibrils are enclosed in?

Ans: Sarcolemma

22. Ca^{++} gets attached to what during muscle contraction?

A) tropomyosin

B) Troponin

23. The part of neuron which carries message away from cell body is

24. Breathing, heart rate and swallowing is controlled by which part of brain?

a) Cerebellum

b) medulla oblongata

c) pons

25. Vasopressin and oxytocin are released from which lobe of brain?

26. Which is directly matured into sperms?

27. Syphilis is caused by?

28. Sex of offspring is determined by which type of gamete?

A) Heteromorphic Y chromosome

29. Polymorphism is observed in which type of animal?

A) cnidaria

b) porifera

30. In recombinant DNA technology, plasmids are used as?

31. Plastids are found in

a) animals

b) plants and animals

c) plants d) viruses

32. Millions of copies of single gene are produced by

33. ADA enzyme lacking disease is

34. Definition of Symbiosis

35. Algae and fungi act as

a) decomposers

36. In case of snake bites which immunity is produced?

37. Antibodies are produced in

38. Antigens stimulate to produce

39. T lymphocytes are produced under the action of

40. Veins that carry oxygenated blood

41. Plasma constitutes volume of blood a) 50% b) 55%

42. Mammalian mature RBC don't have a) nucleus b) haemoglobin
43. Residual air which always remain in lungs is a) 1.5 litres b) 3.5 lit
44. Trypsinogen is activated by
45. Gastrin is produced by
46. Stomach wall mix fruit with gastric juice eventually converts it into semi-solid mass called
47. End product of glycolysis is
48. in cyclic phosphorylation the product is
49. succinate is oxidized into
50. in electron transport chain the final acceptor of electrons is
51. both in respiration and photosynthesis the intermediates r
52. cell wall of fungi is made up of
53. _____ r produced by living organisms and is used to treat infectious diseases
a) immunogens
b) antibodies
54. mumps and measles r
a) envelopes RNA viruses,
b) non envelopes RNA viruses,
c) DNA viruses,
d) non enveloped DNA viruses
55. cell membrane is chemically composed of
56. lipid metabolism take place in
57. free ribosomes r found in
58. ribosomal RNA r produced and stored in
59. irreversible inhibitors and reversible non competitive inhibitors' definitions
60. co-factor which is inorganic in nature is called
a) activator,
b) prosthetic group,
c) apoenzyme,
d) holoenzyme)
61. carbohydrates r made up of
a) C, H, O
b) C, O, S
c) C, N, R
62. Biological control's definition
63. ABO blood group gene is represented by which symbol?

64. Niche is a

65. Male reproductive organ implants is called
a) calyx (OUT OF SYLLABUS Q)

65. Beta cells of liver secrete which hormone

- a) glucagon
- b) gastrin
- c) insulin

(Guys, this question was incorrect and every candidate was given 5 marks as a compensation)

66. How many bones are present in each half of pelvic girdle?

- a: 3
- b: 4
- c: 2
- d: 1

67. Uterus opens in external genitalia through

- a) cervix
- b) vulva

68. Mesoderm gives rise to