

Total MCQ's: 220 Total Marks: 1100

### **UHS MDCAT Past Paper 2015**

- 1. Age of the Earth:
  - a. 14 \* 10<sup>17</sup> sec
  - b. 1.4 \* 10<sup>19</sup> sec
  - c. 1.4 \* 10<sup>17</sup>sec
  - d. 1.4 \* 10<sup>15</sup>sec
- 2. SI unit power is:
  - a. joule
  - b. pound
  - c. watt
  - d. Dyne
- 3. The SI units of torque is:
  - a. Nm<sup>2</sup>
  - b. Nm
  - c. Nm<sup>-1</sup>
  - d. Nm<sup>-2</sup>
- 4. When the lift is falling freely under gravity, then:
  - a. T=W-mg
  - b. T-W=ma
  - c. T=0
  - d. None of these
- 5. Substances that don not flow easily are:
  - a. Honey
  - b. Thick tar
  - c. Mobile Oil
  - d. All of these
- 6. As the droplet accelerates, the upward drag force on it:
  - a. Increase
  - b. Decrease
  - c. Suspend
- d. None of these



7. At	diastolic pressure:
a.	Flow become laminar
b	. Gurgle disappears
c.	External pressure becomes equal
d	I. All of these
8. Mic	chelson's interferometer is an instrument used to measure the distance with:
a	a. Precision
b	o. High precision
С	z. Extremely high precision
d	. None of these
9. The	polarized can be achieved by using process like:
a.	. Coherent sources
b	. Diffraction
С	a. Selective absorption
d	I. None of these
10. M	agnification of a convex lens is:
a.	M=p/d
b.	M=p/q
c.	M=q/p
d.	None of these
11. The	e lower refractive index the fiber core has:
a.	. 1.48
b	. 1.40
C	. 1.54
d	I. 1.42
12. If t	he time period of the simple pendulum 4 sec its frequency would be:
a. :	1.0 sec
b. (	0.75 sec
c. (	0.25 sec
d.	0.1 sec



15. Due to resonance, the amplitude of the body vibrating with natural frequency will.
a. Small
b. Large
c. Extremely Large
d. None of these
14. Sonar is the name of technique or detecting the presence of objects under water by:
a. Eco-ranging
b. Eco-sounding
c. Eco-acoustical
d. All of these
15. Bats navigate and find food by:
a. Eco-sounding
b. Eco-location
c. Acoustical echo
d. None of these
16. The S.I unit of stress is also:
a. Force
b. Pascal
c. Momentum
d. None of these
17. Bulk modulus for mercury is:
a. 27
b. 29
c. 29.4
d. 30



18. By Pascal's law the pressure on the outer sides and everywhere inside the vessel will be the	ame
with same density:	

- a.  $P=2/3P < V^2 >$
- b.  $P=1/3P < V^2 >$
- c.  $P=1/3P < V >^2$
- d. P=3/2P<V><sup>2</sup>

#### 19. The value of Boltzman constant is:

- a. 1.28× 10<sup>-22</sup>JK<sup>-1</sup>
- b. 1.38× 10<sup>-23</sup>JK<sup>-1</sup>
- c. 1.38× 10<sup>-28</sup>JK<sup>-1</sup>
- d.  $1.38 \times 10^{-29} \text{JK}^{-1}$

#### 20. In an isothermal process:

- a. Volume remain constant
- b. Pressure remain constant
- c. Temperature remain constant
- d. None of these

#### 21. The source in the heat engine is at:

- a. Low temperature
- b. High temperature
- c. Zero temperature
- d. None of these

#### 22. The approximate efficiency of Nuclear reactor:

- a. 33%
- b. 32%
- c. 39%
- d. 42%



23. C.R.O is a device which consist of:
a. A grid
b. Indirectly heated cathode
c. Three anode
d. All of these
24. In a brigde rectifier when V <sub>i</sub> is positive at node B with respect to A, which diodes are ON:
a. $D_2$ and $D_4$
b. D <sub>1</sub> and D <sub>3</sub>
c. D <sub>2</sub> and D <sub>3</sub>
d. $D_1$ and $D_4$
25. The passage of an electric current produces, the effects:
a. Heating effect
b. Magnetic effect
c. Chemical effect
d. All of them
26. The process of electrolysis is used for:
a. Separating icons in a liquid
b. Chemical changing
c. Electroplating
d. None of these
27. The chemical changes produce in a liquid depends upon:
a. Nature of liquid
b. Quantity of electricity passed
c. Time for which the current passing
d. All of them
28. One Tesla is equal to:
a. 1 Nm A <sup>-1</sup>
b. 1 N A <sup>-1</sup> m <sup>-1</sup>
c. 1 Nm <sup>-1</sup> A

www.entrytestprep.com

d. None of these



ENTRY TEST PREPRATION
29. A solenoid is a cylindrical long and tightly wound coil of a wire, when a current passing through it behaves like a:
a. Source of emf
b. Magnet
c. Electromagnet
d. None of these
30. The S.I unit of magnetic induction is:
a. Weber
b. Weber <sup>2</sup>
c. Tesla
d. Gauss
31. Darkening of X-ray film is proportional to the: a. Current
b. Voltage
c. Radiation Exposure
d. None of these
32. The meta stable state for laser is about:
a. 10 <sup>-8</sup> sec
b. 10 <sup>-5</sup> sec
c. 10 <sup>-3</sup> sec
d. 10 <sup>-2</sup> sec
33. Characteristic X-rays are the X-rays which have:
a. High energy photon
b. Specific wavelength
c .Specific frequency

- d. All of these
- 34. X-rays can penetrate into a solid matter upto:
  - a. Few millimetre
  - b. Several millimeter
  - c. Few centimetre
  - d. Several centimeter



35. The metastable state of He and Ne are nearly equal as:
a. He 20.61 eV; Ne 18.70 eV
b. He 20.61 eV; 20.66 eV
c. He 20.61 eV; 21.66 eV
d. None of these
36. Laser beam can be used for:
a. Welding of detached retinas
b. Destroy tissues in a localized area
c. Sealed off capillaries for prevention of disease
d. All of them
37. Laser beam can be used to generate:
a. One dimensional images
b. Two dimensional images
c. Three dimensional
d. None of these
38. The total change of any nucleus is:
a. Z
b. Ze
c. A
d. None of these
39. The half life iodine -131 is:
a. 2 days
b. 4 days
c. 8 days
d. 10 days
40. The $\alpha$ -particle is more massive than an electron is about times:
a. 500
b. 7000
c. 900
d. 1000



- 41. Neutron interact with materials containing hydrogen atoms and knock-out:
  - minteract with materials containing nyarogen atoms and knock out.
    - a. Electron
    - b. Proton
    - c. Photon
    - d. None of these
- 42. Radio Isotopes can be made easily by bombardment with:
  - a. Electrons
  - b. Protons
  - c. Neutrons
  - d. None of these
- 43. The study of circulation of blood can be made using:
  - a. lodine-125
  - b. Sodium-24
  - c. Phosphorous
  - d. None of these
- 44. Meson is made from:
  - a. A pair of quarks
  - b. A pair of anti-quarks
  - c. A pair of quarks and anti quarks
  - d. None of these
- 45. Mass spectrometer is used to measure the:
  - a. Fractional mass of element
  - b. Exact mass of the element
  - c. The number of elements presents in a molecule
  - d. Average mass of an element
- 46. What is correct relationship btw empirical and molecular formula?
  - a. empirical formula X UNDER ROOT n =molecular formula
  - b. empirical formula /n = molecular formula
  - c. empirical formula x n square = molecular formula
  - d. molecular formula /n= empirical formula



47. If absolute temperature of gas is doubled and the pressure is reduce to one half, the volume of gas will:
a. reduce to ¼
b. be doubled
c. increase four time
d. remains unchanged
48. Which one of the following statement about negative ions is incorrect?
a. they are also known as ions
b. they forms when atoms gains electron
c. they are smaller then the atom from which they were found
d. they are larger than the from which they were found
49. The principle quantum number describes the:
a. shape of the orbital
b. distance from the nucleus
c. spin of the electron
d. orientation from the orbital
50. The atomic radii of the element lie in the order of:
a. 10 power 8 cm
b. 10 power -12 cm
c. 10 power -8 cm
d. 10 power12 cm
51. Which of the following has the greatest covalent character?
a. LiCl
b. NaCL
c. KCL

d. RbCL



52.	Nobel gases are?	
	a. heavy substances	
	b. light substances	
	c. stable substances	
	d. reactive substances	
53.	Calorie is equivalent to:	
	a. 0.4184 j	
	b. 41.84 j	
	c. 4.184 j	
	d. 418.4 j	
54.	The changes in heat energy of chen	nical reaction at constant temperature and pressure is called
	a. enthalpy change	
	b. bond energy	
	c. heat of sublimation	03
	d. internal energy change	
	The ratio of the number of moles o moles of all the components of the s	f a particular component of the solution to the total number olution is called:
	a. molarity	
	b. % age	
	c. mole fraction	
	d. formality	
56.	The %age weight of NaCL , if 2.0g o	f NaCL is dissolved in 20g of h <sub>2</sub> O:
	a. 5%	
	b. 11.5%	
	c. 10.50%	
	d. 9.09%	



57.	Which is the correct statement about the following reaction?
	a. 2Fe+3CL <sub>2</sub> →2FeCL
	b. Fe is oxidized
	c. CL <sub>2</sub> is oxidized
	d. none of all above
58.	Which is the oxidation state of oxygen atom in sodium superoxide?
	a1/2
	b. +1/2
	c1
	d2
59.	Chemical equilibrium involving reactants and products in more than one phase is known:
	a. dynamic
	b. heterogeneous
	c. static
	d. homogeneous
60.	e-Chatelier's principle is applied on the reversible reaction in order to:
	a. determine the rate of reaction
	b. determine the extent of reaction
	c. predict the direction of reaction
	d. find the best condition of favourable shifting the position of equilibrium
61.	an increase in concentration of reactants:
	a. decrease the number of collisions
	b. increase the number of collisions directly
	c. has no effect on number of collisions
	d. has inverse effect on number of collisions



62. Rancidity produced in butter can be decreased by adding quinolone to the butter. This statement shows that:
a. quinolone is an inhibitor
b. quinolone is a catalyst
c. quinolone is an activator
d. nothing is impossible
63. The defects in the Mendeleev's periodic table is:
a. K (At.Wt.39.1) has been placed after argon (At.Wt.9.9)
b. in spite of their different properties, alkali metals and coinage metals have been grouped together
c. similar element like Cu and Zn have been placed in different groups
d. all above statements are correct
64. In the periodic table elements are arranged in a period strictly in sequence of:
a. equal charges in the nucleus
b. decreasing charges in the nucleus
c. constant charge in the nucleus
d. increasing charges in the nucleus
65. Which gas among the following burns with blue flame?
a. CO
b. CO <sub>2</sub>
c. NO
d. $N_2$
66. The order of Van der Waals forces in halogens is in the order of:
a. CL <sub>2</sub> >Br <sub>2</sub> >I <sub>2</sub> >"F <sub>2</sub>
b. Br2>Cl2>F2>I <sub>2</sub>
c. F2>CL <sub>2</sub> >Br <sub>2</sub> >I <sub>2</sub>
d. $I_2>Br_2>CI_2>F_2$



67. Coordination number of silver is:

	a. 1
	b. 2
	c. 3
	d. 4
68.	Which element among the following does not belong to d-block?
	a. Ti
	b. Na
	c. Mn
	d. Te
69.	Ozone is an allotropic form of:
	a. carbon
	b. phosphorus
	c. oxygen
	d. sulphur
70.	Sulphur acid is manufactured commonly these days by:
	a. lead chamber process
	b. habers process
	c. contact process
	d. castner process
71.	Air is polluted due to:
	a. oxides of sulphur
	b. CO <sub>2</sub>
	c. SiO <sub>2</sub>
	d. none of these



72. Which of the symbol of element whose atoms have the outermost configuration 2st the following:	s <sup>2</sup> 2p³ among
a. c	
b. Li	
c. N	
d. O	
73. In methane all the bonds are:	
a. sigma	2

b. Pi	
c. sigma and P	i

- d. both a and c
- 74. Which is not the characteristics property of organic compound:
  - a. they form long chain compounds
  - b. they exist in homologous series
  - c. organic compound are generally covalent compound
  - d. organic compound are generally water soluble
- 75. Alkenes combine readily with electrophile such as halogens giving:
  - a. haloalkanes
  - b. vicinal dihalides
  - c. alkyl halides
  - d. vinyl halides
- 76. Which of the following is not an electrophilic substitution reaction of benzene?
  - a. Nitration
  - b. Friedel-Craft alkylation
  - c. Sulphonation
  - d. Free radical chlorinayton of benzene
- 77. SN<sub>2</sub> reaction can be best carried out with:
  - a. Primary alkyl halides
  - b. Secondary alkyl halides
  - c. Tertiary alkyl halides
  - d. All of these
- 78. Alkanes may be prepared by the reduction of alkylhalides with:
  - a. Oxygen
  - b. nascent hydrogen
  - c. Ketones
  - d. Ethers



ENTRY TEST PREPRATION
79. Oxidation of methyl alcohol gives:
a. Acids
b. Formaldehyde
c. Acetone
d. Ester
80. Which compound is called a universal solvent?
a. H₂O
b. CH₂OH
c. CH₃-O-CH₃
d. C₂H₅OH
81. Methyl alcohol is not used:
a. As a solvent
b. As an unit freezing agent
c. As a Substitute for petrol
d. For denaturing of ethyl alcohol
82. According to Lewis concept ethers behave as:
a. Acid
b. Base
c. Acid as well as a base
d. None of these
83. Which of the following compounds will not give iodoform test treatment with 12 and NaOH?
a. Acetaldehyde
b. 3-Pentanone
c. Butanone
d. Acetone
84. Propanal reacts with Tollen's reagent to form:
a. $Ag_2 + C_2H_5OH$
b. Ag +C₃H <sub>7</sub> OH
C. Ag +C <sub>2</sub> H <sub>5</sub> COOH
D. Ag + CH₃CHO
85. Formula issolution of formaldehyde in water:
a. 20%
b. 60%
c. 10%
d. 40%
86. Acetic acid dehydrates on heating strongly in presence of P <sub>2</sub> O <sub>5</sub> to give:
a. Acetamide
b. Acetyl chloride
c. acetic anhydride
d. Ethyl acetate

- 87. An aqueous solution of an organic compound react with sodium carbonate to produce carbon-dioxide gas. Which one of the following could be the organic compound?
  - a. CH<sub>2</sub>=CH CH<sub>3</sub>
  - b. CH<sub>3</sub>COOC<sub>2</sub>H<sub>5</sub>
  - c. CH<sub>3</sub>- CHO
  - $d. \ CH_3-CH_2-COOH$



88. When carboxylic acid is reacted with soda lime and alkali, it products carbon dioxide and simple hydrocarbon. Which of the following is that:  a. Alkanes b. Alkenes c. Alkynes d. None of all
89. Ninhydrin is used to visualize amino acids in paper chromatography because of it gives the color which is:  a. Bluish violet
b. Yellow
c. Pale yellow
d. Brown
90. Zwitter ion is due to:
a. Amino acid
b. Amines
c. Carboxylic acid
d. Aldehydes
91. Lysine is:
a. Basic
b. Acidic
c. Neutral
d. Amphoteric
92. Abbreviated name of an amino acid consist of first-letters of its name:
a. One
b. Two
c. Three
d. Four
93. Glycine is an amino acid which is:
a. Neutral
b. Acidic
c. Basic
d. Amphoteric



94. Glutamic acid contains two COOH and number of NH <sub>2</sub> groups in it has:
a. 1
b. 2
c. 3
d. 4
95. Which of these polymers in an addition polymer?
a. Nylon6, 6
b. Terylene
c. Polystyrene
d. Epoxy resin
96. The fibre which is made from acrylonitrile as monomers is:
a. Rayon Fibre
b. PVC
c. Acrylic fibre
d. Polyester Fibre
97. The structure of a polymer depends upon how the monomer repeating unit joins to make a polymer. Which is not the type of structure of a polymer among the following?
a. Synthetic polymer
b. Branched linear polymer
c. Linear polymer
d. Cross linked or inter connected polymer
98. Which one of the following enzymes brings about the hyrodlyisis of fats?
a. Urease
b. Maltase
c. Zymase
d. Lipase



99. The reaction between fats and NOAH is called:
a. Esterifcation
b. Fermentation
c. Hydrogenolysis
d. Saponification
100. A fat or oil is characterized for extent of unsaturation by one of the following number. Which one is?
a. Saponification number
b. Acid number
c. Rancidity number
d. lodine number
101. The PH range of an acid rain is:
a. 6.5-7.5
b. Less then 5
c. 8-7.5
d. 7-6.5
102. The reaction of an acid rain is:
a. Release of CO in excess by in complete combustion
b. Formation of excess CO <sub>2</sub> due to combustion and respiration
c. Excess release of No <sub>2</sub> and So <sub>2</sub> from burning of fossil fuel
d. Formation of Nh₃ in excess form industry and coal gas
103. Ali is alwaysabout showing up for work because he feels that tardiness is a sign of irresponsibility:
a. legible
b. tolerable
c. punctual
d. literal



104. Saad argued, "if you about a crime but don't report it, you are \_\_\_\_\_in that crime because you

allowed it to happen."
a. Nullified
b. Stead fast
c. tenuous
d. complicit
105. Choosing a small fuel-efficient car is a purchase for a recent college picture.
a. Corrupt
b. Tedious
c. Unhallowed
d. Judicious
106. I have always admired Umar's I've never seen him rattled by anything:
a. Confidence
b. Union
c. Propriety
107. <u>Each of</u> the employees <u>have had</u> a <u>half hour</u>
a b c
evaluation meeting with his or her
supervisor.
108. Here are one of the three <u>keys</u> you <u>will need</u> to
A b c
Unlock the office door tomorrow.
d
109. The staff at the <u>university</u> library <u>deserve</u>
a b
Recognition for helping to locate the many sources
C d
Needed for the successful completion of my doctoral dissertation.

# www.entrytestprep.com



110.	wnen the professor	called out All's name, <u>n</u>	<u>ie waiked</u>		
	Α		b		
	Rather hesitant to t	he front of the room ar	nd stood <u>ther</u>	e shaking	
			D	)	
111.	Besides a swollen gla	inds, Zara <u>also</u> had a so	re		
	Α	b			
	Throat and a high fe	ver			
	C d				4
112.	I <u>thought</u> Mission Imp	possible was <u>best</u> of <u>the</u>	<u>e two</u> films we	<u>watched</u> on Sa	turday.
	а	b	С	d	
113.	a. Ali is exhausted. H	e have running:		0	
	b Ali is exhausted.	He has been running.		107	
	c Ali is exhausted. H	le had been running			
	d Ali is exhausted. I	te has running.		2	
114.	a. The wicked sultan	Loves getting people in	nto trouble		
	b. The wicked sultan	Loves getting people in	n trouble		
	c. The wicked sultan	Loves getting people or	ver trouble		
	d. The wicked sultan	Loves getting people b	y trouble		
115	5. a. If the books had	been cataloged last we	ek; why have	n't they been pl	aced on the shelf'?
		d have been catalogued	d last week; w	hy haven't they	been placed on the
shelf					
		een catalogued last we	-		
		een catalogued last we	•	n't they been p	laced on the shelf'?
		the importance in indiv	•		
	·	the importance to indiv	•		
	c. Mr. Rafiq stressed t	he importance of indivi	iduality		
	d. Mr. Rafiq stressed t	the importance with inc	dividuality		



- 117. a. Last Summer, the heat will have brought hundreds of the people to the ocean
  - b. Last Summer, the heat have brought hundreds of the people to the ocean
  - c. Last Summer, the heat will have brought hundreds of the people to the ocean
  - d. Last Summer, the heat brought hundreds of the people to the ocean
- 118. a. By virtue of your letter of date, we regret we cannot any further rebate.
  - b. On behalf of your letter of date, we cannot allow any further rebate.
  - c. With reference to your letter of date, regret we cannot allow any further regret
  - d. In respect of your letter of date, we regret we cannot allow any further rebate
- 119. a. In the entire history of solar system, thirty billion planets may has been lost.
  - b. In the entire history of solar system, thirty billion planets may have been lost.
  - c. In the entire history of solar system, thirty billion planets may had been lost.
  - d. In the entire history of solar system, thirty billion planets may would have been lost.
- 120. a. She accepted the car in lieu, of her claim for Rs,2,25000.
  - b. She accepted the carwith a view, to her claim for Rs,2,25000
  - c. She accepted the car areegabily, of her claim for Rs,2,2500
  - d. She accepted the car on her account of her claim for Rs,2,25000
- 121. a. They rise with the sun shine and labour till evening
  - b. They rise with the sun shine and labour to evening
  - c. They rise with the sun shine and labour across evening
  - d. They rise with the sun shine and labour around evening
- 122. a. Rubber is a good insulator of electricity and so do glass.
  - b. Rubber is a good insulator of electricity and so do glass
  - c. Rubber is a good insulator of electricity and so do glass
  - d. Rubber is a good insulator of electricity and so do glass

#### 123. COMBAT:

- a. Submit
- b. Fight
- c. Conflict
- d. Fued



#### 124. SUBSIDE:

- A. Submit
- B. Oppress
- C. Diminish
- D. Surrender

#### 125. ABSCOND:

- a. Turn
- b. flee
- c.Manage
- d. Avoid

#### 126. GAINSAY:

- a. Advantage
- b. Proposal
- c. Contradict
- d. Suggestion

#### 127. PROFOUND:

- a. Profuse
- b. Boundless
- c. Deep
- d. Fathomless

#### 128. SOPORIFIC:

- a. Lethargic
- b. Merry
- c. Soothing
- d. Impressive

#### 129. ANNEAL:

- a. Commence
- b. Forget
- c. Patch
- d. Temper

## www.entrytestprep.com



130. ABOI	WINATION:
	a. Revulsion
	b. disgust
	c. Criticism
	d. Attack
131. BERL	ESQUE:
	a. Insult
	b. Irritate
	c. Mock
	d. Annoy
132. FOST	ER:
	a. Encourage
	b. Fabricate
	c. Foment
	d. Nurture
133. The r	easoning from the specific to general is called:
	a. inductive
	b. deductive
	c. hypothetical
	d. suggestive
134. Paste	eurization developed by Louis pasture is being widely used for preservation of:
	a. Milk
	b. Milk products
	c. meat
	d. both a & b
135. A cor	nnecting and supporting tissue in animal is being widely used for prevention of:
	a. Connective
	b. Muscle
	c. Nerve
	d. Bone



136. The study of fossil and their relationships to the evolution of life on e	arth is:
a. Fossilization	
b. Paleontology	
c. Palaeobotany	
d. Palaezoology	
137. The interphase of Meisos lack:	
a. G₁ Stage	
b. G <sub>2</sub> Stage	
c. G₃ stage	
d. G <sub>4</sub> stage	
138. The microtubules are composed of a protein tubulin and traces of: a. DNA b. RNA c. NAD d. FAD	5.
139. The separation of homologous chromosomes occur of: a. Prophase b. Metaphase c. Anaphase d. Telophase	
<ul> <li>140. An unwanted clone of cells formed by uncontrolled growth of cells is: <ul> <li>a. Tumour</li> <li>b. growth</li> <li>c. Lump</li> <li>d. swelling</li> </ul> </li> <li>141. The presence of invading cells in otherwise normal tissue in an indica <ul> <li>a. malignancy</li> <li>b. melanoma</li> <li>c. sarcoma</li> <li>d. growth</li> </ul> </li> </ul>	
d. growth 142. Stroma is fluid in the chloroplast which surrounds:	
<ul> <li>a. Granum</li> <li>b. Intergranum</li> <li>c. Thylakoids</li> <li>d. both a &amp; b</li> <li>143. In prokaryotes mitosis is missing and cell divides by:</li> <li>a. Fission</li> <li>b. budding</li> <li>c. fragmentation</li> <li>d. conjugation</li> </ul>	



144. There are 14 chromosomes in:
a. onion
b. garden pea
c. maize
d. oat
145. Accumulation of lipids in brain cells lead to mental retardation and even:
a. bereavement b. demise
c. physical disability
d. death
146. Fungal cell wall contains:
a. pectin
b. silica
c. chitin
d. lignin
147. The types of amino acids which have been found to occur in cells and tissues are about:
a. 17
b. 107
c. 170
d. 71
148. On hydrolysis, oligosaccharides yield monosaccharaides from:
a. one to ten
b. two to ten
c. two to twenty
d. ten to twenty
149. Glucose will form a ring known as:  a. ribofuranose
b. glucopyranose
c. Furoribanose
d. pyroglucanose
150. Waxes are widespread as protective coatings on:
a. fruits
b. leaves
c. stems
d. both a & b
151. DNA is generally located inside the nucleus while rna is concentrated in:
a. mitochondria
b. chloroplasts
c. Peroxisomes
d. cytoplasm
a. cytopiasiii
152. If non-protein part is loosely attached to the protein part it is known as:
a. cofactor
b. coenzyme
c. holoenzyme
d. prosthetic group
153. If the amount of enzyme is increased by two fold the reaction rate is:

www.entrytestprep.com

a. sameb. doublec. four foldd. three fold



ENIRY IEST PREPRATION
154. Non-competitive Inhibitors from enzyme inhibitor complex at a point other than the:
<ul> <li>155. Some enzymes use mental-ions as co-factors like.</li> <li>a. Mg<sup>2</sup></li> <li>b. Fe<sup>2</sup></li> <li>c. Cu<sup>2</sup></li> <li>d. all a, b, c</li> </ul>
156. Some species of Aspergillus are used for fermenting/production soy sauce and soy paste from:
158. Cell walls of archaebacteria are different from:     a. probacteria     b. cyanobacteria     c actinobacteria     d. eubacteria
159. Smallpox is caused by: a. poxviruses b. parvoviruses c. paramyxoviruses d. adenoviruses
160. Tamarindus indica; Cassia fistula, Bauhinia variegate are familiar plants of family:  a. Fabaceae  b. Poaceae  c. Mimosaceae  d. Caesalpiniaceae
161. Lycopersicm esculentum is commonly known as: a. potato b. kachaloo c. tomato d. kachnar
163. Physalis (Ground- Cherry) produces an edible fruit enclosed in a bladder like persistent calyx the

b. cherries c. peppers

husk, the name husk:

a. potatoes

- d. tomatoes



164. The Honey Bee is a useful insect that provides man with:
a. honey
b. wax
c. sugar
d. both a & b
165. Sublingual glands are situated below the:
a. jaws
b. ears
c. tongue
d. eyes
166. At the junction between oesophagus and stomach is special ring of muscles called:
a. pyloric sphincter
b. ileocolic sphincter
·
c. cardiac sphincter
d. gastric sphincter
167. The softened, partly digested, slimy food mass is rolled into small oral lump called:
a. bolus
b. chyme
c. ball
d. pill
168. Parietal or oxyntic cells secrete:
a. nitric acid
b. Sulphuric acid
c. Hydrochloric acid
d. acetic acid
169. Partial pressure of the oxygen is abbreviated as:
a. OP <sub>2</sub>
b. PP <sub>2</sub>
c. PPO <sub>2</sub>
d. PO <sub>2</sub>
170. Haemoglobin in man increase the oxygen carrying capacity of the blood to about:
a. 45 times
b. 55 times
c. 65 times
d. 75 times
171. The main tracheae divide and subdivide forming very fine tubules called:
a. tracheids
b. bronchiloles
c. arterioles
d. tracheoles
172. The opening of larynx is called:
a. epiglottis
b. bronchioles
c. arterioles
d. tracheoles
173. Kidney stones are formed in metabolic disease:
a. hypertension
b. hypercalcemia
c. hypertonic
d. hypomagnesaemia



- 174. In haemodialysis blood is circulated through a machine which contains a dialyzer, called:
  - a. natural kidney
  - b. permanent kidney
  - c. artificial
  - d. temporary
- 175. The nephrons arranged along the cortex are celled?
  - a. cortical nephrons
  - b. juxlamedullary nephrons
  - c. medullary nephrons
  - d. pelvic nephrons
- 176. Urea is product from the metabolism of:
  - a. amino acids
  - b. fatty acids
  - c. nucleic acids
  - d. nitric acids
- 177. The excretory product that requires maximum water for its elimination as compared to other:
  - a. Ammonia
  - b. Urea
  - c. Uric acid
  - d. Creatinine
- 178. Lactic acid accumulation causes muscles:
  - a. cramp
  - b. fatigue
  - c. tetany
  - d. all of the above
- 179. Bones to bones attachment is by:
  - a. tendon
  - b. nerve
  - c. ligament
  - d. sinew
- 180. A state of physiological inability to contract is called:
  - a. cramp
  - b. tetany
  - c. muscle stiff
  - d. muscles fatigue
- 181. Skeleton muscles are also called striped or striated muscles because they show alternate light and dark bands e.g.
  - a. triceps
  - b. biceps
  - c. pantaceps
  - d. both a & b
- 182. The cardiac muscles are:
  - a. striated & voluntary
  - b. non-stripped & involuntary
  - c. striated & involuntary
  - d. non-stripped & involuntary
- 183. The cranum consist of eight bones, 4 unpaired and 2 paired which protect:
  - a. Liver
  - b. kidney
  - c. brain
  - d. stomach



- 184. Cluster of neurons product sensation of pleasure, punishment or sexual arousal when stimulated, in the:
  - a. pons
  - b. thalamus
  - c. hippocampus
  - d. amygdala
- 185. In the sensory neurons, the single, elongated dendeite is called a:
  - a. Dendron
  - b. dendroot
  - c. dendrof
  - d. dendia
- 186. Which is not neurotransmitter:
  - a. nor-epinephrine
  - b. serotonin
  - c. dopamine
  - d. L-dopa
- 187. The cerebellum is important in co-ordinating:
  - a. heart beat
  - b. movements of the body
  - c. respiratory activities
  - d. voluntary actions
- 188. In infants, the deficiency of thyroxin causes a dwarfed condition called:
  - a. gigantism
  - b. dwarfism
  - c. cretinism
  - d. myxedema
- 189. The hormone produced by mucosa of the pyloric region of the stomach is:
  - a. secretin
  - b. gastrin
  - c. serotonin
  - d. epinephrine
- 190. Glucagon cause an increase in levels of blood:
  - a. glucose
  - b. sucrose
  - c. lactose
  - d. urea
- 191. Interstitial cells produce gonadal hormones called:
  - a. Testosterone
  - b. 17 β-hydroxytestosterone
  - c. progesterone
  - d. both a & b
- 192. The end or complete stop of the menstrual cycle is called:
  - a. femopause
  - b. genopasue
  - c. menopause
  - d. repopause
- 193. During pregnancy pituitary gland produces:
  - a. somatotrophin
  - b. Gonadotrophin
  - c. Oxytocin
  - d. Luteotropic hormone



- 194. The haploid egg develops into haploid offspring and it is called haploid:
   a. budding
   b. fission
   c. parthenogesis
   d. regeration
- 195. The mechanism that produces new generations and maintains a species is:
  - a. fertilization
  - b. conception
  - c. reproduction
  - d. ovulation
- 196. Uterus opens into the vagina through:
  - a. neck
  - b. cervix
  - c. corvine
  - d. cervelat
- 197. The components of immune system include the lymphocytes (B and T) and the
  - a. antigens
  - b. monocytes
  - c. antisera
  - d. antibodies
- 198. Antibodies are manufactured in:
  - a. B-lymphocytes
  - b. T-lymphocytes
  - c. C-lymphocytes
  - d. G-lymphocytes
- 199. The lymph mostly closely resembles with:
  - a. Blood
  - b. interstitial fluid
  - c. Plasma
  - d. Both a & b
- 200. The tricuspid and bicuspid valves close, and the sound made is:
  - a. jub
  - b. hub
  - c. dup
  - d. lub
- 201. Capillaries are blood vessels with walls that are only:
  - a. one cell thick
  - b. two cell thick
  - c. four cell thick
  - d. eight cell thick
- 202. The water splitting step of photosynthesis that release oxygen is called:
  - a. hydrolysis
  - b. lysis
  - c. hydrolysis
  - d. photolysis
- 203. Chlorophyll a, b, c, and d are found in eukaryotic photosynthetic plants and:
  - a. yeast
  - b. fungi
  - c. bacteria
  - d. algae



- 204. The molecular formula for chlorophyll a is:
  - a.  $C_{55}H_{72}O_2N_4Mg$
  - b.  $C_{55}H_{71}O_7N_4Mg$
  - c.  $C_{55}H_{72}O_4N_6Mg$
  - d.  $C_{55}H_{70}O_6N_4Mg$
- 205. Only photosystem I is involved in:
  - a. non-cyclic electron flow
  - b. cyclic electron flow
  - c. both a & b
  - d. none
- 206. The exchange of respiratory gases ( $CO_2$  and  $O_2$ ) between the organism and in environment is called:
  - a. external respiration
  - b. cellular respiration
  - c. both a & b
  - d. none
- 207. The gene of interest is joined with the sticky ends produced after cutting the plasmid with the help of another special enzyme known as:
  - a. DNA ligase
  - b. RNA ligase
  - c. DNA polymerase
  - d. DNA isomerase
- 208. There are three billion base pairs in the:
  - a. horse genome
  - b. pig genome
  - c. human genome
  - d. monkey genome
- 209. PCR takes its name from:
  - a. RNA polymerase
  - b. DNA polymerase
  - c. DNA ligase
  - d. endonuclease
- 210. DNA threats are chemically cut into pieces of different size in:
  - a. Maxam-Gilbert method
  - b. Sanger's method
  - c. Smith's method
  - d. Sanford's method
- 211. Genetic engineering may enhance the ability of bacteria to extract?
  - a. Copper
  - b. Uranium
  - c. gold
  - d. all a, b, c
- 212. An association between certain fungi and the roots of plant growing in acid soil is:
  - a. Lichens
  - b. predation
  - c. Mycorrhiza
  - d. commensalism
- 213. The cause of greenhouse are:



- a. over urbanization
- b. deforestation
- c. industrialization
- d. all a, b, c
- 214. Air is being polluted rapidly due to:
  - a. industrialization
  - b. automobiles
  - c. sewage
  - b. both a & b
- 215. Bioconversion is the digestion of wastes by bacteria which products:
  - a. methane
  - b. ethane
  - c. butane
  - d. propane
- 216. The destruction of forests leave the soil barren and this is called:
  - a. a-forestation
  - b. forestation
  - c. deforestation
  - d. all of the above
- 217. A monochromat can perceive:
  - a. three colours
  - b. yellow colour
  - c. only one colour
  - d. two colours
- 218. A sex-limitation trait is limited to only one sex due to:
  - a. taxonomic difference
  - b. ecological difference
  - c. physiological
  - d. anatomical difference
- 219. Acquired characteristic of an individual cannot be:
  - a. inherited
  - b. lost
  - c. flourished
  - d. mutated
- 220. Similarity in characteristics resulting from common ancestry is known as:
  - a. analogy
  - b. homology
  - c. topology
  - d. apology