University of Heath Sciences, ee

Total MCQs: 220 Max, Marks: 1100

TEST- 2015

rF.Se, and Non- veto ede Students

Instructions:

|, Read the instructions on the MCQs Response Form carcfully,

fl, Choose the Single Best Answer for cach question,

li, Candidates are strictly prohibited from giving any Identification mark except

Roll No. & Signature in the specified columns only,

COMPULSORY QUESTION FOR IDENTIFICATION

Q1D, What is the color of your Question Paper?

A) White, C} Pink,

B) Blue, D) Green,

Ans: Colour of your Question Paper is Blue,

Fill the Circle Corresponding to Letter ?B?

against ?ID? in your MCQ response form

(Exactly as shown in the diagram),

BIOLOGY

Q.133 In response, (l-cells produce plasma cells that synthesize antlbodles and

release In blood plasma and tissue fluld,

A) Cel-Nediated () Humoral

B} Hormona D) Phottact (tl

Q.134 Passive Immunity Is used against: C0

A) Malaria) 0

B) Typhoid 4

Q.135 ows ed due? i)

? Fabi(qus Hl D) Bile Duct

i stage of photosynthesls, the CO: combines with Sto form an

Ned Intermediate,

Rae bisphosphate C) Gycerate-3-phosphate

; Herose sugar 0) Ghyceraldetyde-9-phosphate

Q.137 In glycolysis, glycerate-1,3-blsphosphate Is converted Into glycerate-3-phosphate by losing phosphate molecules,

A)3 (1

8)2 D)4

Q.138 Malate ts oxidized by to oxaloacetate In Krebs?s Cycle,

A) ATP C)NAD

8) HADP D) FAD

Q.139 In electron transport chatn, the electrons from NADH and FADH: are passed to;

A) Cytoclvome () Co-enzyme ¢

B) Cytochrome a) D) Coenzyme Q

Q140 Carrlers of the respiratory chaln are located on:

A) Matrix of mitochondria C) Inner membrane of mitochondria

B) Outer membrane of mitochondria D) Cytoplasmic matrix

Qt41 In and Men Iiposomes-microscople vesicles are sued which are coated with:

A) Heal () Protein

8) Caan D} Carbohydrate

Q.142 The DNA formed by the reverse transcription Is called:

A) rDNA Can

B) cDNA D) ONA

Q.143 Bacterial cells Sale cot

A) adh

B) Ha : ud

Q.144 it aN i er

A) Phage DNA a 0;

B} Genomic rail Ur: Probe

nilfnals In which desired gene Is Inserted Into the eggs of animal Is

Qs At att:

Stem Cell mediated Transfer () Retro-virus mediated gene Transfer

ierolnjection D) Virus vectors

Q.146 Ozone Is a layer of atmosphere extending from km above earth and absorbs

ullraviolent radlallons,

A) 10-50 () 5:30

8) 50-60 D) 10-80

Q.147 Light rays from the sun are absorbed by CO, and re-radlate as radiations,

A) Ulvaviolent C) Infra-Red

6) Indigo D) Green

Q.148 The gases which are produced by burning of fossils fucls and are responsible for acid rain are:

A) CFCs () HO and Onides of Kitrogen

B) CO, and CO D) SO, and Oxides of Hitrogen

Q.149 During successions, the first organisms that develop on bare rock are:

Uchens () Moss

B) Shrubs D) Herbs

Q.150 Trophic level of a herbivore In given food-web Is:

t

<i> Rabbit

NL

Na oti

QJ51 During maternal mitosis, non-dlsjunctlon of autosomal chromosome palr om

Fox ul ?» i

formation of an egg having 24 chromosomes In;

A) Kinefeter?s Syndrome

8B) Dovn's Syndrome

Q.152 amare enarged astssin

A) Down's Syndrome

es iN

Q.153 AlN INN proteln molecules floatinafluld

a () Gueose

photipids D) Carbohydrate

Q.154 he many triplets of microtubules are present In centriole?

() Nine

4 i D) Seven

Q.155 Turner?s syndrome Is characterized by having:

A) Trisomy 21 C) Trisomy 18

B) 44 + XXY 0) 44+X0

Q.156 Which one of the following cell structure Is Involved In the synthests of lipids?

A) Endoplasmic Reticulum C) Centriole

8) Golg Complex 0} Mitochondria

Q.157 Monosaccharides are major components of:

A) DIA, ATP, Ribulose bisphosphate and Cysteine ?C) DA, NADP, ATP and Ribulose bisphosphate

8) DNA, HAD and Insulin D) DNA, RNA and tyosin

Q.158 Blood group antigencontatns; ~

A)Gycoprotans QGyapds

6) Posphils Dp Sphingoipids

Q159 Myosintsa_?=?_typeofprote,

A) Intermediate () Gobular

8) Simple 0} Fibrous

Q.160 Which one the following is an example of unsaturated fatty acld?

A) Butyric Acid . . () Patmitic Add

8) Oleic Aad , | Dp Acetic Acid

Q.161 Number of base palrs In one turn of DNA Is: F

f)2 ¢

Q.162 The lymph vessel of villi s called: ?oe

A) Epithelium

B) Afferent hmphvessel =|

cl

163 Right al

A) Bicusp i

() Tricuspid vahe

~ D) Interatria) Septum

Ql $0 te valves are attached to muscular extensions of right ventricle known as

A) Smooth Muscles C) Intercostal Muscles

B) Papilary Muscles D) Skeletal Muscles

Q.165 One complete heart beat consists of one systole and one dlastole and lasts for about:

A) 0.8 sec , | Ch 04sec

8) 0.2 sec | | D)O5 see.

Q.166 Theheart beat cycle starts wiien electleImpulses are generated {rom

A) AV Node () SA Node

B) SV Node D) FQ Node

Q.167 About 70-85% CO; In blood Is carrted: °

A) As carboxylase myogiebin = () Freely as CO,

8) With proteins in plasm ~~ D) Asbarbonate

Q.168 Those nephrons which are present along the border ofthe cortex and medulla ore called:

A) Jintamedulary nephrons C) Interna! nephrons

8) Covtical nephrons D) Outer nephrons

Q.169 When water Is In short supply, Increased water retention occurs through the:

A) Cortical nephrons () dotamedulyy nephrons

B) Proximal Comvaluted Tubule D} The tissue of cortex

Q.170 ?Innephirons, counter-current mullpller occurs at |

A)loopofHene (Bowman's Capsue

8) Collecting Duct D) Gomendus

Q.171 Ascending loop of Henle does not allow outflow of:

A) lla° ions () O° lons

8) K" long D) Water

Q.172 Alarger quantity of dilute urine Is produced In betes

deficlency of:

A)Aniduetic tome «=

B) Aldosterone Ki

Q.173 Water and sodju ie dit

A) Uring C) Adrena! Cortex

0) Proximal Convoluted Tubule & Colecting uct

Ql Iscase ls responsible for dementi (mentory loss)?

A) Parkinson's Disease ??? CEpleps

ley

8) Auheme?s Disease : dD Grave's Disease

Q.175 Neurotransmitter secreted at synapse outside the central nervous stem :

A) Dopamine C) Androgen

B) Polypeptide D) AcetyichoSine

Q.176 = Conduction of action potent from one mode of Ranvier to another In myelinated neurons Is

through: ° ae

A) Hypempo'aizaton (Depolarization

8) hesing Wena Pee 7 D) Saltatory Conduction

Q177 Inthe fallowing dlagram of aclon potent in ancuron, ?x? depicts:

Membrano #50

~ Potential. 0 pe=f-=-\--

(mv) 80 +] xo

A) Depolarization C) Repolarization

B) Polarization D) Hyperpolaization

Q178 In human testls, which structures responsible for mile ee sperm from Inside the testis?

A) Seminiterous tubules Seminal Veskles

A) Proximal part of oviduct

ey Nic

Q.180 Infemales, FSH stimulates the ovary to et

A) Progesterone |

8) Lacuin | | dove ¢

Q.181 i sexually transmilted tnt ed by: ANG

i ee

Wren ar

Q.182 : whlch ne 0 a al cycle, endometslum prepares for the Implantation

() Secretory phase

aD : D) Ontation phase

B) Urinogenttal duct D) Vasa efferentia

Q.179 In whlch part of female reproductive system aa takes 7

Q.163 The total number of ceva and thoracle vertebrate In human vertebral column Is:

8) 19 0) 33

Q.104 Asarcomere ls the region of a myofibril between two successive:

A) Mines ~ a () bands

B) Zines an - D) T-tubules

Q.185 The sarcolemma of muscle fibre folds Invards and forms a system of tubes which runs through

the sarcoplasm called:

A) Myoflaments () Z-fnes

B) Sarcoplasmic reticulum D) Transverse tubules

Q.186 According to sliding filament theory, when muscle bers are stImulated by nervous system, whitch of the following changes occurs?

A) bands shorten | C) Z-lines move frther apart

B) H-zone becomes more visb!e d) hands shan

(187 Iflatie acd buildup in thigh muscles it causes muscle tiredness ond pan This condton i called:

A) Musde Fatigue C) Camps

B) Tetany D) Oxygen debt in muscles

Q.108 Thyroxine defldency In adults results Ino condition called:

A)Getnsm | QThyotoinia

B) Kypothyrocdism : D) poeta

Q.189 ? arcells oh pancreas seaeten hormone nouns as:

A) Glucagon () Gastrin

8) Insufin D} Rennin

Q.190 X-linked recessive tralt Is:

A) Hypophosphstemia uN)

a sa ets ie ho

Q191 Human skin Hf

() x-linked inheritance

ioe 0) y-lnked inheritance

Q.t evolutionary polnt of view, which respiratory proteln Is common In many organisms?

A) Cytochrome a C) Citochrome c

B) Cytochrome b 0) Cytochrome d

Q.193 Number of pairs of autosomes tn humons In:

()21

B) 24 0) 22

Q.194 ABO blood system Is an example of:

A) Polygenes C) Mutple Aleles

B) Mulipte genes D) Mutiple Mutation

Q.195 Which molecular structure of enzyme fs essential for activity of enzyme?

A) Primary Structure C) Secondary Structure

B) Quatemary Structure D) Tertiary Structure

Q.196 Which one of the following edible products Is widely pasteurized?

A) Soft drinks Mok

B) Mango squash D) Orange Juice

Q.197 Albosomes are tIny organisms, which are Involved In the synthesis of:

A) Protein () Nudeus

B) RNA D) Huclosome

Q.198 Which organclle is bounded by two membranes?

A) Ribosome C) lysosome

B) Nitochondria D) Nudeotus

Q.199 At he beginning of nuctear division, the number of microtubule s¢ In (

centrloles that migrate to opposite poles are:

A)9

6) 18

Q.200 The disease in ai an ?as + @ Is known as:

A) Down's syndi ion gy.

8) <éil 4 Jacob's syndrome

Q.201 wl oo

C) Hypoghycemis

tes ? D) Addison's Disease

Q.202 ?Ejectlon of milk from mammary glands Is under the control of which one of the following hormones?

A) Androgen () Progesterone

B) Oxytocin D) Estrogen

Q.203 ? Granulocytes are:

A) Monocytes, Eosnophils, Basophils C) Neurophils, Eosinophils, Basophils

B) Basophils, Macrophages, Neurophils D) Monocytes, Macrophages, Basophils

Q.204 ? Response of body against the transplanted organ Is:

A) Homenstatic Response C) Primary Response

B) Behavioral Response D) Ced-mediated Response

Q.205 Some enzymes require helper which Is non-proteln part for its efficlent functloning that Is called:

A) Accelerator C) Prosthetic group

B) Cofactor 0) Apoenzyme

Q.206 Pepsin, proteln digesting enzymes, sets best pit:

A) 3.00 Q)2.00

8) 450 0) 6.00

Q.207 Which one of the following Is an example of competitive inhibitor?

A) Glucose () Suanie Aad

B) Fumerate 0) Melonate

Q.208 ?HIVIs classified as:

A) Bacteriophage () Retrovirus

6} Cncavus D)Iesahedral vs ait

Q.209 Cyanobacteria are: (0)

A) Photosutotrophic bacteria

B} Chemosythtc bacer , AWRY a

mii

Qit0 During favourable conditions, certal bacteria produces:

A) Ribosomes C) MRochondria

B) Plasmids D) Spores

Q.211 ? Inrhlzopus, zygote forms temporary, (

A) 2ygospore

8} Spore

Q212 =

Ac () Tapeworm

Q2 i ie the body cavity Is In the form of:

()

Psedlocoelem

Femod 0) Enteron

Q.214 Isa good example of polymorphism,

A) Hydra ()

B) Starfish D) Equptectella

Q.215 Name common gut roundworm parasite of human and pigs,

A) Aascaris lumberocoides C) Pheretima posthuma

8) Lumbericus terresaris 0) Hirudo Medidnalis

Q.216 Is also called liver fluke,

A) Dugesia C) Fasciola

B) Taenis D) Coral

Q.217 Oxyntic cells In stomach produces:

A) Pepsin C) Gastrn

B) Pepsnogen Ha

Q.218 The hormone which inhibits the secretion of pancreatle Juice Is:

A) Secretin C) Thyrone

8) Gastin D) Parathormone

Q.219 ? Trypsinogen ts activated to trypsin by:

A) HO C) Mucus

8) Enterokinase D) Gastrin

Q.220 The emulsification of fats Is the role of:

A) Saliva () Gastrin

B) Pancreatic juice D) Bile