

# Biology

**1)The effect of a pair of gene located at one locus on another pair of gene located at another locus is called..**

n normally breathing cycle

How much air is inhaled ??

500ml

400ml

700ml

**2)most polysaccardes are composed of which complex monosaccarides?**

**Glucose is transported inward by**

Osmosis

Carrear proteins

Diffusion

Active trandport

**3)Water is transported by**

Osmosis

Carrear proteins

Diffusion

Active trandport

**4)cellwall is synthesized by?**

a. plasma membrane

b.endoplast

c.ectoplast

d. cytoplasm

**5)How much blood is transported to body during each beat?**

65ml

75ml

60ml

70ml

80ml

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6)Villi present in...

7)The common units of carbohydrates.....

8)cell wall is secreted from

9)Plasm membrane is named so because it surrounds

- a.semi.fluid cell contents
- B.protoplast
- C.cell wall

10)Amphibians live onn...?

- a)on water
- b) on land
- c) on water and on land

11)Amphibian heart is

- a) 2 chambered
- b) 4 chambered
- c) 5 chambered

12)NADH produces?

A.3 Atp

13)Gentic mutation occur in

- A.dna
- B.rna
- C.protein
- D.all

14)DNA is found in which of the following?

- a) Golgi complex
- b) lysosome

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- c) mitochondria
- d) ribosomes.

15) Ribosome has which rna?

- A. polysome
- B. Ribosomal

Which enzyme present in stomach curdles the milk?

15) Bacterial endospore ensures?

16) similar group of cells performing the same function are called?

17) which organ has its DNA always (something like that)

18) Which of the following have both external and internal digestion

- A. Hydra
- B. planaria
- C. Cockroach

19) What are Ger egg laying birds called

20) 2nd common type of hepatitis?

21) Germ theory proposed by

- \*Louis Pasteur
- \*Robert Koch

21) There is an other enzyme in breast milk that causes the coagulation of milk or forms precipitates of milk.... it is:

- Renin
- Trypsin
- Amylase
- Lypase

22) which one of these posses intracellular and extracellular digestion? hydra , pitcher plant , planaria , cockroach ?

23) Respiration results in how many ATPs ...???

A:36

24) Which of the following is not the function of adrenaline:

- A) increase in heart rate
- B) increase in breathing rate
- C) decrease in the rate of digestion
- D) conversion of glucose to glycogen

25) Which is not function of cerebrum

Thyroid gland requires high amount of

- a- phosphate
- B- calcium.
- c. Iodine

26) Which of the following is used for functioning of organs..(I think it was like this)

- A) Sonography
- B) CT scan
- C) Ultrasound

27) gamma radionuclide used in

- PRT
- CAT
- SPEC
- USG

28) embryo stages egg zygote 2cell stage gastrula blastula

29) treponema pallidum causes

- a) syphilis
- b) gonorrhoea
- c) Aids
- d) herpes

30) Bones of skull?

31) T-cells provide

- A) humoral immunity
- B) passive immunity
- C) cell mediated immunity

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32) Straight chain of polypeptide has structure?

- A) primary
- B) tertiary
- C) secondary
- D) quaternary

33) Bond which holds alpha helix together

- A) hydrogen
- B) disulphide
- C) ionic
- D) covalent

34) Shape of tobacco mosaic virus

Second major type of hepatitis

Ribosome have which rna

35) Total nb of bone on skull

28

36) Plant and animal have in common ? Cell wall cell membrane

37) neurons are joined together by? Synapse dendrites axon sheath etc

38) cell wall is made up from? Ectoderm endoderm cell membrane etc

39) Tobacco Mosaic Virus (TMV) is.?

- A- spherical.
- B- tadpole .
- C- rodshaped.

40) Total yield of Atp ?.

41) How many ATP are formed from NADP.?

42) When glucose moves from body fluid to blood which process takes place..endosmosis ,active transport,osmosis ,facilitated diffusion

43) Ecological succession starting from drylands....?

Ans: xerosere

## Physics

1)gravitational constant unit?

2)Newton's rings are result of? a)polarization B)diffraction

3)Which of the following is not sedimentation algorithm.

4) vertical force on an object with 1000N upward force, 9000N downwards and 500N towards left.

A.500

B.1000

C.10000

D.1050

5)neutrons penetrate further bcs of? Ans electrically neutral

6)What is true about the daughter element formed by beta radiation?

Options yad nahi bug right one was

Same mass no but charge no greater than parent element

7)What is true about isotopes?

Same charge no but diff mass no

8)if the high heat reservoir is at 400J and low heat reservoir is at 300J....calculate the efficiency

9)ideal gas constant?

10)Speed is 10m/s and frequency is 5 Hz....find wavelength...??

11)If temperature increases by 2 ...what will be effect on general gas eq...? Ans is i think  $2nR$ ....

12) The internal energy of the system is 560 and the work done by surroundings is 320....find Q...?

13) A wire of length 2 m carries a current of \_\_\_\_ A.. How strong will be the magnetic field when the wire is 2 cm away and then 4 cm away?

Sorry magnitude of current yad nh. □

- a) 2
- b)  $2\sqrt{2}$
- c)  $4\sqrt{2}$
- d) 3

14) Single convex lens it applies to all :

- A) image always larger than object
- B) smaller than object
- C) image formed on same side of object
- D) erect
- E) inverted

15) parallel rays after passing through principal axis of convex lens

- A) converge on focal point
- B) away to focal point
- C) converge on center of sphere
- D) diverge

## Chemistry

1) Density of blood is.....than water

- Less
- Greater
- Equal

2) An Azeotropic mixture of two liquids has a higher boiling point.

- A) shows positive deviation from Raoult's law
- B) shows negative deviation from Raoult's law
- C) shows ideal behavior
- D) none of the above

3) The difference between saturated and unsaturated fats...? Ans...unsaturated have double bonds...

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4) 3 moles of  $\text{CH}_3\text{CH}_2\text{OH}$  reacts with 1 mole of  $\text{PBr}_3$  to produce 1 mole of X and three moles of  $\text{CH}_3\text{CH}_2\text{Br}$ ... what is X...?

15)  $\text{K}^{19}$  will have electronic configuration...?

16) There's a compound that on hydrolysis gives  $\text{C}_3\text{H}_7\text{NH}_2$ ... if that same compound is reacted with dilute  $\text{HCl}$ ... then the new compound formed will be????...

17) Which one is macromolecule

A. ice

B. silicon(4)oxide

C. magnesium oxide

D.

18) Chromium reacts with  $\text{H}_2\text{SO}_4$  to give the following complex (complex of  $\text{Cr}^{3+}$ )... the colour is:

Brown

Blue

Pink

D. yellow

19) Ethanoic acid can not be converted to ethanoyl chloride by reacting it with:

$\text{PCl}_3$

$\text{PCl}_5$

$\text{SOCl}_2$

20) Ethyl and isopropyl iodide treated with Wurtz-Fittig reaction then what will be formed ?

21) Which of the following is Wurtz-Fittig reaction.

22) Electric conduction is high in

A. solid  $\text{NaCl}$

B.sugar sol

C.solid graphite

23)Lead is removed from silver by using ....???

24)Why are neutrons readily penetrating particles?

A. They have neutral charge

25)The rate of reaction of a compound is  $K[A][B]$ , if the volume of a vessel is reduced to  $1/4$  then tell the rate of reaction as compared to original rate.....

26)Which of the following statements is true?

A)All nitrates of group 2 metals are decomposed by heat to give the oxide  $NO_2$ .

B)Aqueous sodium nitrate is acidic to litmus.

C)Aqueous ammonium nitrate is alkaline to litmus

D)alkali metal nitrates are insoluble in water

27)Specific heat of vaporization of water 574 Kcal/kg

28) $C_3H_4O_3$  empirical formula ascorbic acid

29)phenol reacts with Zn A.oxidation b. reduction (right one)

30) $CN^-$ ,  $CO$ ,  $NO^+$  have which of the following in common

31)What is the correct order of osmotic pressure

$BaCl_2$ ,  $NaCl$  and sucrose solution

## English

1)Superficial is opposite in meaning to?

A.deep

2))you should stick ..... your promise.

A.by

B.to

3)Chubby synonym (fat

4)Fundography is used to study/check the functioning of ? A) Heart B) Eye C) Liver D)

Stomach

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m

5)Change to indirect speech  
Ali thought, "she went home."

.6)Change to passive

1. The group was watching the movie.
2. The lion ate the rabbit.
3. Brush your teeth.

7)He is envious ----- everyone's achievement.

- a) From
- b) to
- C) Upon

8)the criminal was \_\_\_ although it was proved that he was not seen at the scene of crime .. a) abandoned b) expelled c)exhumed d ) rescined

the meaning of following word luminous

9)Ali thought , "She went to lahore".

Indirect direct narration

10)Antonym of Moisture.?.

11)The teacher said "i shall appreciate it" into indirect\*?

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