1. if in air the speed of should is 332 m/s then speed of sound in km/h will be

वायु में ध्वनि की चाल 332 मी. /से. है, तो ध्वनि की चाल किमी / घंटे में होगी

 a. 1.1952 किमी / घंटे /1.1952 km/h

 b. 11.952 किमी / घंटे /11.952 km/h

 c. 119.52 किमी / घंटे /119.52km/h

 d. 1195.2 किमी / घंटे/1195.2km/h

2. the refractive index of material of prism μ is

 प्रिज्म के पदार्थ का अपवर्तन सूचकांक μ हैं :

a. $\dfrac{\sin\frac{A+\delta_3}{2}}{\sin\frac{A}{2}}$

b. $\dfrac{\sin\frac{A-\delta_3}{2}}{\sin\frac{A}{2}}$

c. $\dfrac{\sin\frac{A}{2}}{\sin\frac{A+\delta_m}{2}}$

d. none of these /इनमें से कोई नहीं

3. heat flows as a result of difference of

 ऊष्मा का प्रवाह किसके अंतर का परिणाम है :

   (A)   Density/भार   (b)   mass/घनत्व   (c) temperature /ताप   (d) potential difference /विभवांतर

4. in p type semiconductors majority charge carries are

 P- टाइप अर्द्धचालक में बहुसंख्यक आवेश वाहक होते हैं

(a). electron /इलेक्ट्रॉन   (b). holes /होल   (c).   neutrons /न्यूट्रॉन   (d) protons/ प्रोट्रॉन

5. the speed of 5 molecule of a gas (in arbitrary) units are as follows

 एक गैस के 5 अणुओं की गति निम्न है (उपयुक्त मात्रक अनुसार):

2, 3, 4, 5, 6 the rout mean square speed for these molecules

2, 3, 4, 5, 6 इन अणुओं का वर्ग मूल माध्य वेग होगा :

(a). 2.9   (b) 3.52   (c)   4.00   (d) 4.24

6. a white screen is illuminated by green and red light appears to be

एक सफेद पर्दे को हरे ओर पीले प्रकाश में देखा जाता हैं (या प्रकाशित किया जाता है) त बवह कैसा दिखाई देगा :

(a) green/ हरी   (b) yellow/ पीली   (c)   red/ लाल   (d) white/सफेद

7. capacitor is used for

 संधारित्र का उपयोग होता है :

   (a) A.C   (b) D. C .   (c) A. C और D. C.   (d) none of these/ इनमें से कोई नहीं

8. if th steel bob a simple pendulum is replace by a rubber bob then its time period will

यदि किसी दोलक मे उसके इस्पात के गोलक को रबर से बदल दिया जाए उसका आवर्तकाल :

(a) increase/ बढ़ जाती हैं   (b) decrease/घट जाती हैं

(c)   remain the same/ एक समान रहेगा   (d) first increase then decrease/ पहले बढ़ेगा फिर घटेगा

9. a liquid drop diameter is D and surface tension is T break up in to 8 tinny . the charge in energy is

एक तरलीय बूँद जिसका व्यास D है एवं प्रष्ठ तनाव T है, 8 छोटी – छोटी बूँदों में टूट जाती हैं तब ऊर्जा में परिवर्तन होगा :

(a) $2\pi TD^2$ (b) πTD^2 (c) $3\pi TD^2$ (d) $4\pi TD^2$

10. a bar magnet fall from above in to a solenoid kept vertically . during its fall acceleration is

जब एक छड़ स्वतंत्र रुप से ऊपर से एक ऊर्ध्वाधर परिनालिका में गिरती है तब गिरने के दौरान इसका त्वरण:

(a)   greater than G /g से अधिक   (b) less than g /g से कम

(c)   equal to g/ g के बराबर   (d) (where R is the radius of the solenoid / जहाँ R परिनालिक की त्रिज्या हैं

11. barrier potential offa p-n junction diode does not depend on

p-n संधि का प्राचीर विभव किस पर निर्भर नहीं करता हैं

(a) temperature/ तापमान   (b) forward bias/ अग्र अभिनति

(c)   doping density/ डोपिंग घनत्व   (d) diode design/ डायोड संरचना

12. the periodic time of communication satellite is

संचार उपग्रह काआवर्तकाल होता हैं:

(a) 6 hours/घंटे   (b) 12 hours/घंटे   (c) 18 hours/ घंटे   (d) 24 hours/ घंटे

13. if the kinetic energy of a body increase by 0.1% , then percentage increase in its momentum will be

यदि किसी पिण्ड की गतिज ऊर्जा 0.1 प्रतिशत बढ़ा दी जाती है, तो उसके संवेग में कितने प्रतिशत बढ़ोत्तरी होगी :

(a) 0.05 %   (b) 0.1 %   (c) 1.0 %   (d) 10 %

14. which reaction occurs in atom bombs

परमाणु बम में कौन सी क्रिया होती है:

(a) fission/घटन   (b) controlled fission/ नियंत्रित संघटन

(c)   uncontrolled fission/अनियंत्रित संघटन   (d) thermonuclear/ ऊष्मीय नाभिकी

15. the dimension of surface is

पृष्ठ तनाव के लिये विमीय मात्रक हैं :

(a) $ML^0 T^{-2}$ (b) MLT^{-2} (c) $ML^{-1}T^{-2}$ (d) $ML^{-2} T^{-2}$

16. a photon and an electron have equal E. Then is proportional is to

एक फोटॉन और एक इलेक्ट्रॉन के पास मान E ऊर्जा है तब किसके समानुपाती हैं –

(a) $\sqrt{E}$ (b) $\frac{1}{\sqrt{E}}$ (c) $\frac{1}{E}$ (d) E does not depend upon /पर निर्भर नहीं करता हैं

17. the motion of gas molecular will be

गैस के अणुओं की गति होगी :

(a) one dimensional/ एक विमीय

(b) two dimensional/द्विविमीय

(c) three dimensional/ त्रिविमीय

(d) only up and down /केवल ऊपर नीचे

18. the SI unit of magnetic dipole moment is

चुंबकीय द्विध्रुव संवेग की SI इकाई है :

(a) Am^{-1} (b) Am^2 (c)$mA^{-1}S$ (d)$mA^{-2}S$

19. the body cools from $60°C$ to $50°C$ in 10 minutes . if the temperature is $25°C$ and assuming newton's law of cooling to held good , the temperature of the body at the next 10 minutes will be

एक वस्तु $60°C$ से $50°C$ तक ठंडी होने पर 10 मिनट का समय लेती है। यदि कमरे का तापमान $25°C$ हैं और न्यूटन का शीतलन नियम कार्यरत है तब वस्तु का तापमान अंतिम 10 मिनट में होगाः

(a) $38.5°C$ (b) $40°C$ (c) $42.85°C$ (d) $45°C$

20. which of the following is the worst conductor of heat

निम्न में से कौन ऊष्मा का सबसे खराब चालक है :

(a) rubber/ रबर   (b) air/ हवा   (c)   glass/ काँच   (d) copper/ ताँबा

21. newton's first of motion describes which of the following

न्यूटन के गति का पहला नियम निम्न में से किसे व्याख्या करता है:

(a) energy/ ऊर्जा   (b) work/ कार्य   (c)   inertia/ आघूर्ण   (d) moment of inertia/ जड़त्व आघूर्ण

22. which of the following isdnot a electromagnetic waves

निम्न में से कौन सी विदुयत चुंबकीय तरंगें नहीं हैं –

(a) y - ray / किरणें

(b) x - ray / किरणें

(c)   sound waves/ ध्वनि तरंगें

(d) radio waves /रेडियों तरंगें

23. the function of rectifier is

दिष्टकारी का कार्य है :

(a)   to convert AC into DC/ AC को DC में परिवर्तित करना

(b) to convert DC into AC/ DC में AC में परिवर्तित करना

(c)   both of the above /उपरोक्त दोनों

(d) none of the these /उपरोक्त में से कोई नहीं

24. THE monochromatic bean of light passes from a denser medium to a rarer medium as a result it is

जब कोई एक वर्णीय प्रकाश पुंज घने माध्यम से विरल माध्यम में प्रवेश करती है तो :

(a) velocity increase/ उसका वेग बढ़ जाता है   (b) velocity decrease/ उसका वेग घट जाता हैं

(c) frequency decrease/ उसकी आवृत्ति घट जाती हैं   (d) wavelength decrease/   उसका तरंगदैर्ध्य घट जाता हैं

25. at absolute temperature T , the mean square velocity of gas molecules is

परम ताप T पर गैसे के अणुओं का वर्ग मूल माध्य वेग है:

(a) $V_{rms} = \sqrt{\dfrac{3kT}{m}}$ (b) $V_{rms} = \sqrt{\dfrac{3mT}{k}}$ (c) $V_{rms} = \sqrt{\dfrac{kT}{m}}$ (d) $V_{rms} = \sqrt{\dfrac{4kT}{m}}$

Agriculture chemistry

1. the full form of DDT
2. डी. डी. टी . का पूर्ण शब्द रुप हैं –

(a) Dibromo diphenyl trichloro ethane/ डाइब्रोमो डाइफेनिल ट्रइक्लोरो ईथेन

(b) dichloro diphenyl trichloro methane/ डाइक्लोरो डाइफेनिल ट्राइक्लोरो मीथेन

(c) dichloro dimethyl trichloro ethane /डाइक्लोरो डाइमेथिल ट्राइक्लोरो ईथेन

(d)) dichloro diphenyl trichloro ethane/ डाइक्लोरो डाइफेनिल ट्रइक्लोरो ईथेन

2. among the following which is aromatic

निम्नलिखित में से कौन – सा ऐरोमेटिक यौगिक हैं
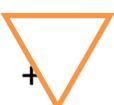
(a)   (b)   (c)   (d)

3. what is the wavelength of the spectral line in lyman series if n_2 =3

यदि n_2 =3 है तो लाइमन श्रेणी में स्पेक्ट्र रेखा की तरंग दैर्ध्य होगी –

(a) 102.6 nm   (b) 102.6 m/s   (c) 108.7 nm   (d) 685 nm

4. which of the following orbitals are not possible – 1p ,2p, and 3p

निम्नलिखित में से कौन – सा कक्षक संभव नहीं हैं ?

(a) 3 f   (b) 1 p, 2p   (c) 2 p , 3 f   (d) 1 p and 3 f

5. an organic compound contain C = 65.45% , H = 0.09 % and N = 25.95 % . if molecular weight of the compound is 65 then its empirical formula is

एक कार्बनिक यौगिक में C = 65.45% , H = 0.09 % और N = 25.95 % है। यदि उसक यौगिक का अणुभार 65 है तो उसका प्रायोगिक सूत्र होगा –

(a) C_3H_5N (b) $C_3H_7N_2$ (c) C_3H_7N (d) C_3H_6N

6. de Broglie equation is

डी – बोर्गली समीकरण है –

$$\frac{mv}{h}$$

7. if infrared radiation having waves length 3× 10 ^{6}, then its frequency is

a. 4× 10^6 nm   b.   3× 10^6 nm   c. 3×10 ^{2} nm   d.3 ×10^8 nm

8. the PH value of 10^{-2} molar HNO_3 solution is

A. 4   B. 6   C. 7   D. 2

9. LPG mainly contain is

a. butane and isobutene   b. Ethane + butane   c. Methane   d. Hydrogen + methane and isobutene

10. what is the most important source of CO pollutant

a. soil microorganism   b. Water microbes   c. CO_X ,NO_X D. Marine organism

11. antimarcovnikov 's addition to HBr is not observed in

a. but -1 –ene   b. Pent -2 ene   c . propene   d. But -2 ene

12. if 4.0 gm of NaOH are dissolved per litre then molarity of the solution is

a. 0.1m   b. 4m   c. O.4 m   d. 0.5 m

13. according to Henderson equation , Ph of acid buffer is given by

A. $pKa = Ph + Log \frac{[Salt]}{[acid]}$ B. $Ph = pKa + Log \frac{[Salt]}{[acid]}$

c. $Ph = PKa\ Log \frac{[acid]}{[Salt]}$ d. $pOH = pKa + Log \frac{[Salt]}{[base]}$

14. which of the following compound exhibits geometrical isomerism

a. (CH)2 (COOH)2   B. (CH2)2 (COOH)   C. C2H2Br   d. CH3 CHO

15. which of the following has the lowest ph value

a. 1m HCl   B. 1M NaOH   C. 1M H2 SO4   D. 1M C2 H3 OH

16 . the principal buffer present in human blood is

A. NaH_2PO_4+ Na_2HPO_4 B. $H_3 PO_4$ + NaH_2PO_4 C. Na_2HPO_4 + $Na_3 PO_4$ D. H_2CO_3 + HCO_3

17. the formula charge on nitrogen atom of nitrite ion is

a. -1   b. -3   c. 0   d. -5

18. the IUPAC name of mustard gas is

A. sulphur monochloride   b. ß- chlorovinyl dichloroarsine

c. ßß- dichloro diethyl sulphide   d. ßß- dichloro diethyl sulphide

19. choose the correct order of repulsion between electron pairs

a. bond pair – bond pair > lone pair – lone pair > lone pair – bone pair

b. lone pair – bond pair > lone pair – bond pair -> lone pair –lone pair

c. bond pair – bond pair > lone pair – bone pair > lone pair – lone pair

d. lone pair – bone pair > lone pair –lone pair > bone pair > bond pair

20 . how mony mole of water are present in 180 gram of water

a. 7Mole   b. 18 Mole   c. 18 Mole   d. 100 Mole

21. which of the substance given below is not present in RNA

A. THYMINE   B. URACIL   C. RIBOSE   D. PHOPHATE

22. what happens when HCl gas is passed through saturated NaCl solution

a. NaCl will precipitate out   b. HCl dissolved in NaCl solution

c. HCl gas will precipitate out   d. Both forms the miscible compound

23. soap is a

A. Salt of glycerol   b. Salt of fatty acid   c. Mixture of ether   d. Mixture of ester

24. what will be the PH of 1m $NaNO_3$ solution at 15^OC

A. 6   B. 7   C. 3   D. 10

25. How mony layers are absorbed in chemical adsorption

A. 1   B.2   C. Many   d. 0

Math

1. The sum of a G.P. with common ratio 3 is 364 and last term is 243 then the number of terms is
   एक गुणोत्तर श्रेणी का सर्वानुपात 3 है और उसके सभी पदों का योग 364 है यदि उसका अंतिम पद 243 है तब उसमें पदों की कुल संख्या है:

   (a) 6   (b)   5   (c) 4   (d) 10

2. Median is follows is
   निम्नलिखित की माध्यिका है :

   222, 2000, 1180 , 1785, 1500, 560, 782, 1200, 385, 1123

   (a)1500   (b) 1030   (c) 1151.5   (d) 1500.8

3. If sum of infinite term of a G.P. is 3 and sum of squares of its term is 3 then first term and common ratio respectively will be
   यदि एक गुणोत्तर श्रेणी के अनंत पदों का योग 3 है और उसके पदों के वर्गों का योग 3 है। तब उसका पहला पद और सार्वानुपात क्रमशः होंगे

   (a) $\frac{3}{2}$, $\frac{1}{2}$ (b) $1, \frac{1}{2}$ (c) $\frac{3}{2}$, 2   (d) none of these/ इनमें से कोई नहीं

4. $\log_a{}^k (M) = ?$

   (a) $K \log_a M$ (b) $a \log_k M$ (c) $1/a \log_k M$ (d) $1/k \log_a M$

5. $\cos 50\,°\ cos10° - sin50° \sin 10° = ?$

   (a) $\frac{1}{\sqrt{2}}$ (b) $\frac{\sqrt{3}}{2}$ (c) $\frac{1}{2}$ (d) 1

6. The sum of n terms of two A..P. is $nA+n^2$ where A and b are constants then its common difference
   यदि एक समान्तर श्रेणी के द पदों का योग $nA+n^2$ है जहाँ । और ठ अचर हैं उसका सार्वन्तर होगा :

   (a) A- B (b) A + B (c) 2 A   (d) 2 B

7. If three geometric means be inserted between 2 and 32 then third geometric mean will be
   यदि 2 और 32 के बीच तीन गुणोत्तर माध्य डाले गये हों तब तीसरा गुणोत्तर माध्य होगा :

   (a)8 (b) 4 (c) 16 (d) 12

8. The sum of n term ratio of two A.P. are in the ratio 2n + 3 : 6n + 5 then the ratio of their 13 th terms is
    दो समान्तर श्रेणियों के द पदों के योग का अनुपात 2n + 3 : 6n + 5 है तब उनके तेरहवें पदों का अनुपात है :

   (a) 53 : 155   (b) 27 : 77 (c) 29 : 83 (d) 31 : 89

9. $\frac{\sin 7x - \sin 5x}{\cos 7x + \cos 5x} = ?$

   (a) Tan x   (b) cot x (c) tan 2x   (d) cot 2x

10 . $\log_b a \cdot \log_c b \cdot \log_a c$ = ?

(a) 1   (b) 0   (c) $\log_a abc$ (d) none of these / इनमें से कोई नहीं

11 . if 4 th ,7 th and 10th terms of a G.P. are a,b and c respectively then the relation between a,b and c is

यदि एक गुणोत्तर श्रेणी का चौथा, सातवां और दसवां पद क्रमशः a, b व c है तब a, b और c में संबंध है :

(a) $b = \frac{a+c}{2}$ (b) $a^2 = bc$ (c) $b^2 = ac$ (d) $c^2 = ab$

12. the first terms of an A.P. is 2 and common difference is 4 . the sum of its 40 terms will be

एक समान्तर श्रेणी का प्रथम पद 2 है और सार्वान्तर 4 है तब उसके 40 पदों का योग होगा :

(a) 3200   (b) 1600   (c) 200   (d) 2800

13. if $\log_{10} 2 = a$ and $\log_{10} 6 = b$ then $\frac{\log_{10} 80}{\log_{10} 12}$ = ?

(a) $\frac{a+3}{a+b}$ (b) $\frac{3+a}{a+2b}$ (c) $\frac{3a+1}{a+b}$ (d) $\frac{3+a}{a+b}$

14. if $x^2 + y^2 = 5xy$ then   log (x+ y) = ?

यदि $x^2 + y^2 = 5xy$ तब   log (x+ y) = ?

(a) log (x) + log y   (b) log x + log y + log 7

(c) ½ (log x + log y + log 7)   (d) 1/2 (log x + log y) + log 7

15. if $\log_3 (3x- 8) = 2 - x$ then   x = ?

   $\log_3 (3x- 8) = 2 - x$ तब   x = ?

   (a) 1   (b) 2   (c) 3   (d) none of these / इनमें से कोई नहीं

16. . characteristic of $\log(5.37 \times 10^{-3})$ is

   $\log(5.37 \times 10^{-3})$ का पूर्णांश हैं :

   (a) 0   (b) 1   (c) 3   (d) -3

17. a numberof reciprocal of the other . if the arithmetic mean of mean is $\frac{13}{12}$, then numbers are

यदि एक संख्या दूसरी संख्या की व्युत्क्रम है और उनका समान्तर माध्य $\frac{13}{12}$ है तब वह संख्याऐं हैं

(a) $\frac{1}{4}, \frac{4}{1}$ (b) $\frac{2}{5}, \frac{5}{2}$ (c) $\frac{3}{4}, \frac{4}{3}$ (d) $\frac{3}{2}, \frac{2}{3}$

18. $\sin\frac{\pi}{4} \cos\frac{\pi}{12} + \cos\frac{\pi}{4} \sin\frac{\pi}{12}$ = ?

(a) $\frac{\sqrt{3}}{2}$ (b) $\sqrt{2}$ (c) $\frac{1}{2}$ (d) none of these /इनमें से कोई नहीं

19. if sum of the infinite an G.P. is 9 and sum of its two terms is 5 , then common ratio will be

यदि एक अनंत गुणोत्तर श्रेणी का योग 9 और उसके प्रथम दो पदों का योग 5 हैं तब उसका सर्वानुपात होगा :

(a) $\frac{1}{3}$ (b) $\frac{3}{2}$ (c) $\frac{3}{4}$ (d) $\frac{2}{3}$

20. if the sum of n terms of 3, 7, 11, 15 ……is 406 then n is

यदि 3, 7, 11, 15 …… के n पदों का योग 406 है तब n हैं :

(a) 5 (b) 10 (c) 12 (d) 14

21. mode of the following data will be

निम्नलिखित आंकड़ों का बहुलक होगा :

25,15, 23, 40, 27, 25, 20, 17, 29

(a) 40 (b) 15 (c) 23 (d) 25

22. which of the following is the square root of variance

निम्नलिखित में से कौन प्रसरण का वर्गमूल होता है :

(a) mean deviation/ माध्य विचलन   (b) standard deviation/ मानक विचलन

(c) mode/ बहुलक   (d) none of these / इनमें से कोई नहीं

23. G.M. of the series 3 , 3^2, 3^3….3n   is

श्रेणी 3 , 3^2, 3^3….3n का गुणोत्तर माध्य है :

(a) $\frac{2}{3n}$ (b) $3^{\frac{n+1}{2}}$ (c) $3^{\frac{n}{2}}$ (d) $3^{\frac{n-1}{2}}$

24. यदि $7\sin^2\theta + 3\cos^2\theta = 4$ तब $\tan\theta = ?$

(a) $\pm\frac{1}{\sqrt{2}}$ (b) $\pm\frac{1}{\sqrt{3}}$ (c) $\pm\frac{1}{2}$ (d) $\pm\frac{1}{3}$

25. if the first terms of an A.P. is 10 and last terms is 50 and the sum of all terms is 300 . then the number of terms in it are

एक समान्तर श्रेणी में प्रथम पद 10, अंतिम पद 50 तथा सभी पदों का योग 300 हैं। तब श्रेणी में कुल पदों की संख्या है :

(a) 5 (b) 4 (c) 10 (d) 15

Agriculture biology

1. Central sugarcane breeding institute is located is

केंद्रीय गन्ना प्रजनन एवं शोध संस्थान स्थित है –

(a) Bhopal/ भोपाल   (b) delhi/ दिल्ली   (c) lucknow /लखनऊ (d) Coimbatore/ कोयम्बटूर

2. which of the oldest breeding method

निम्न में से कौन सबसे पुरानी प्रजनन विधि है?

(a) selection/ चयन   (b) introduction/ परिचय   (c) hybridization/ संकरण   (d) mutation breeding /उत्परिवर्तन प्रजनन

3. the function of velamen tissue is

वेलमान ऊतक का कार्य है –

(a) protection/ सुरक्षा देना   (b) to provide cork /कार्क बनाना

(c) absorption of moisture/ नमी अवशोषित करना   (d) respiration /श्रवसन

4. sclerenchymatous hypodermis is found in

दृढ ऊतकीय हाइपोडर्मिस पाई जाती हैं –

(a)   monocot stems/एक बीजपत्री तने में (b) dicots stem /द्विबीजपत्री तने में

(c) monocots roots / एक बीजपत्री जड़ों में (d) gymnosperm plant /जिम्नोस्पर्म पौधों में

5. inferior ovary and cypsela fruit are found in

अधोवर्ती अंडाशय एवं सिपसेला फल पाया जाता है –

(a) malvaceae family /मालवेसीकुल में   (b) liliaceae family/ लिलियेसी कुल में (c) compositae family /कम्पोजिटी कुल में   (d) ranunculaceae family /रेनिनकुलेसी कुल में

6. the blood pigment of earthworm is

a. cyanin   b. Haemin   c. Haeocyanin   d. Haemoglobin

7. crosses between two plant by the same variety are called

a. intervarietal   b. intergeneric   c.interspecific   d.intraspecific

8. who discovered anaerobic respiration

a.peffer   b calvin   c.Pasteur   d. kotychev

9. periplaneta belongs to

a. annelida   b. Arthropoda   c. mollusca   d.platyhelminthes

10. pith which for the central core of stem is also called as

a. medulla   b. bast   c.epiblema   d.groundtissue

11. earthworm respire by

a.moist skin   b.clitellum   c.stenida   d. prostomium

12. which of the following produces silk

a. bombus indica   b. bombyx mori   c.butterflies   d.dysdercus koenigii

13. first product of photosynthesis is

A.RuBP   B.OAA   C. PGA   D.PHAL

14. Pulse crops belong to family

a.rutaceae   b.solanaceae   c.lenguminoceae   d.malvaceae

15. five kingdom classification is given by

A Aristotle   b. Darwin   c.whittaker   d. Bergey

16. kranz anatomy is found in

a. C_4 plant   b. C_3 plant   C. C_2 plant   D.succulent plant

17. perianth is found in

a.crucifereae   b. solanaceae   c.liliaceae   d.malavaceae

18. which is responsible for guttation

 a. osmosis   b.root pressure   c.photosynthesis   d.transpiration

19. kingdom monera includes

 a.bacteria   b.cyanobacteria   c. both   d. none of these

20. the placentation in lenguminoceae is

 a.axile   b.free central   c.parietal   d. marginal

21. in monocot leaves the guard cells are

 a. bean shaped   b.oval   c.dumb bell shaped   d.none of these

22. the universal hydrogen acceptor is

 a. ATP   b.TPP   c.CoA   b.NAD

23. incomplete metamorphosis occurs in

 a.cat   b. cockroach   c.cow   d.crocodile

24. bulliform cell are found on the upper epidermis of

 a.cladodes   b.all dicot leaves   c. phylloclade   d.many monocot leaves

25. polyarch vascular bundles are usually found in

 a.monocot root   b. dicot stem   c.monocot stem   d.dicotroots

Pre agriculture test 2015

Agriculture question

1. Which of the following instrument is used to count for total sperm

A. Refractometer   B. hydrometer   C.monometers   D. haemocytometer

 2. The fat percentage in ghee is

 A.97%   B. 92 %   C.99.5%   D. 81 %

3.The C:N ratio in sawdust is

 A.25:1   B. 225:1   C. 250:1   D.125:5

4. Fany is a fermented wine made from

 A. Palm   B.mango   C. cashew Apple   D. Apple

7.The protein content in gram is

 A. 61.5 %   B.4.5   C.10 %   D.21.1%

8.Toxic of organic causes peripheral nerve paralysis in cattle is called

A.Tetanous   B.Botulism   C.both   D. None of these

9. The Score Points For Cow greded Very Good are

A. 90-95   B. 85-90   C. 70-80   D.80-85

10The Ratio of Lactose Protein and Ash in Buffalo Milk Is

 A. 12:10:   B.11:7:3   C. 13:3:2   D.none of these

11. Man's constituent of Ice Cream is
A. Fate   B.vitamin   C.lactose   D. all of the above

12. Long term loan is giving for the period of
A. 1-4 year   b. 4 year   c. 2-5 year   d. more than 5 year

13. The Temperate fruit is
A. Apple   b. guava   c. kagzi line   d. mango

14 Starch Adulteration in Milk Can be Detected by
a. fehling's solution   b. azurin test   c. iodine test   d. all the above

15. Shubra Shweta Gaurav are Variety of
A. Pea   B. Linseed   C. Tur   D.Gram

16 The Color Of Brown Swiss Is More Similar to
A. Jersey   B.Holstein   C.Guernsey   D.None of these

17. Which Animal Is Difficult to Mark
A. Heifer   B.ox   C. cow   D.all of the above

18. Cropping Rotation Intensity of Maize –wheat -Gram- Moon Is
A.200%   B.250%   C.200%   D.300%

19 Specific Heat is Higher
A.In Sand   B. In silt   C.In clay   D. in Humus

20 .Jelly is prepared at the temperature of
A. 95°C   B. 115 ^{O}C   C.105 ^{O}C   D. 75 ^{O}C

21 .Role of selection in the Development of Animals
A.35-40%   B.20-25%   C.25-30%   D.5-10%

22. N:S ratio of wool is
A. 4:1   B. 5:1   C. 3:1   D.2:1

23. Seedlessness in Banana is due to
A. Embryo abortion   B. triploidy   C.Male sterility   D.Aneuploidy

24 .Mayur is a variety of
A. Gladiolus   B.Marigold   C.Dahila   D.rose

25. Cross staff is made by
A. iron   B. copper   C.wood   D. Brass

26. Most Common zinc Fertilizer is

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A. Zinc Sulphate   B. . Zinc oxide   C. . Zinc ash   D. . Zinc chelate

27.Which Of The Following Animal Has Longest Gestation Period
 A.Mare   B. elephant   C. Buffalo   D. donkey

28. If an Animal has six rings on horn , What its is
 A.48 months   B.8 years   C. 6 years   D.54months

29.Which of the following items paved for estimating cost of milk production
 A. Labour   B. feed   C. Health   D. none of these

30. Maize- Potato- green Gram an Example of
 A.Double Cropping   B.Relay Cropping   C. inter Cropping   D.all of the above

31. The Freezing Point of Cow Milk
 A. $-0.456^{O}C$ B. $-0.595\ ^{O}C$ C. $-0.514\ ^{O}C$ D. $-0.547\ ^{O}C$

32.which of the drought resistant crop
 A.sweet potato   B.okra   C. potato   D. cauliflower

33. Which Of The Following Is Most Important In inhibiting The Digestibility of Paddy straw
 A.Silica   B. oxalate   C.Ligrin   D. All of the above

34.Sprouting in potato can be prevented by
 A.IAA   B. NAA   C. ABA   D. ETHYLENE

35.Blind Hoeing is related to
 A. Sugarcane   B.maize   C.wheat   D. all of the above

35 Which of the following is not a Mendel law
 A. dominance   B. independent.assortment
 C. law of segregation   D. gravitation

36. Removal of tail in sheep is known as
 A.Shooting   B. docking   C.tattooing   D. none of the these

37.Commonly used herbicide under zero tillage
 A.Diquat   B.paraquat   C.both.   D. None of these

38. Which of the hardest Substance in Animal Body
 A.Enamel   B.cartilage   C. bone   D.all of the above

39.One of the most important factor in the successful use of the milking machine is
 A.Getting spare parts   B. getting the cow uesd to it
 C.keeping it clean   D.None of these

40.Raching is common practice in

A.Japan   B. Australia   C. USA   D.all of the these

41.Srinagar is the variety of
  A.Rose   B.gerbera   C. tuberose   D. gladiolus

42.Which type of soil is suitable for a sprinkle method of irrigation
  A.sandy soil   B.Loamy soil   C.clay soil   D. non of these

43.Father of tillage
  A.J.b Lawes   B.Liebig   C. jethro Tull   D.None of these

44.Samarat is the variety of
  A.Urad   B. Arhar   C.Moong   D. Soybean

45.In the human milk water found is
  A.80%   B. 87.43%   C.87.5%   D.82.5%

46.The End Product of Protein Metabolism in Poultry is mainly
  A.Uric acid   B.urates   C.ammonia   D. urea

47.Canine teeth are Found In Which Of The Following Animals
  A. Pig   B. Bull   C.Cow   D. Goat

48. Solam is made up of
a. C horizon   b. A horizon   c. A+B HORIZON   D. C+D horizon

50. refractometer reading of pure milk is
A. 48   B. 58   C. 68   d.38

51 . papaya is a rich source of
a. Vitamin A   b. vitamin B   C . vitamin C   d. none of these

52. IMF is the part of
a. RBI   B. SBI   C world bank   d. none of these

53. swine belong to the family of
a. bovidae   b. suidae   c.both   d. none of these

54. Sussex breed is originated from
 a. England   b. india   c. france   d. Italy

55. burdizzo castrator is an equipment used is
 a. castration   b. insemination   c. tracking   d. all the above

56. a well developed soil have
 a. A horizon   b. B horizon   c. C Horizon   d. all the above

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57. how many time , atrazine is most soluble than simazine
a. 4   b.6   c.   2   d. none of these

58. pusa red is a variety of
a. carrot   b. chillli   c. onion   d. tomato

59 . bridge irrigation system was first introduced by
a. india   b. china   c. Israel   d. Australia

60. native of water hyacinth is
A. Australia   b . brazil   c. india   d. none of these

61. normal rate of water of application in drip irrigation
A. 10 /h   b. >100 /h   c. 50-100 /h   d. 1-10 /h

62. daily per capita milk consumption recommended by the medical authorities
A. 280g   b. 200g   c. 300g   d. 250g

63. growth of the plant measured by
A. Hydrometer   b. kescograph   c. planimeter   d. none of these

64. grape used for preparation of
A. Wine   b. jelly   c. kismiss   d. all the above

65. temperature of artificial vagina while collecting semen is
A. 51-53°C   B. 41-45 ^{O}C   C. 30-35 ^{O}C   D. 61-65 ^{O}C

66. stage of rice crop sensitive to salinity alkalinity is
A. Seeding   b. flowering   c. both   d.none of these

67. which of the following bacteria are killed by pasteurization of milk
A. vegetative organism   b. pathogenic bacteria
 c. mesophiic bacteria   d. all the above

68. which of the following is a method of judging of animal
A. mass selection   b. score card method   c. pedigree method   d. all the above

69. serious pest of groundnut is
A. white grub   b. rice moth   c. rice borer   d. all the above

70. injection give to cow for the onset of utrus is
A. funine   b. sulphamezathine   c. gestile   d. all the above

71 .which of the following is after cultivation operation
A. closing deep craves   b. earthing up   c. inter cultivation   d. all the above

72.the disease found in sheep during monsoon
A. FMD   B. foot rot   c. rinder pest   d. all the above

73 . cotton hybrid mainly grown
A. central zone   b. south zone   c. both   d. north zone

74.chrynathimum is the national flower of
 A. INDIA   B. JAPAN   C. USA   D. CHINA

75. The normal life span of sheep s about
 A. 15-16 YEAR   B. 8-9 YEAR   C. 10-12 YEAR   12-15 YEAR

 76. which of the following sheep breed gives superior carpet wood
 A. COKLA   B. lehi   c. gaddi   d. all the above

77. length of onset rod is
a. 1M   B. 4M   C. 6M   D. 12 M

78. Lactose content in skim milk yogurt
A. 0.5-1.1   b. 4.7- 5.3   c. 0.1-0.14   d. 3.2 -3.4

79.which grain is said to be poor man's food
A. wheat   b. ragi   c. maize   d. broken rice

80. which crop is suitable for pulses and soil

A. PEA   B. Soybean   c. mustard   d. peanut

81 . green manure is mostly used as a source of

 Zinc   b. nitrogen   c. carbon   d. oxygen

82. central soil salinity research institute is located at

A. KARNAL   B. jodhpur   c. dehradun   d. none of these

83. the milk cane are generally fabricated with

A. IRON and alloy   b. nickel and alloy   c. aluminum and alloy d. chromium and alloy

84. which type of soil structure is found in grassland area

A. granular   b. platy   c.columnar   d. none of these

85. fragrance is controlled by

A. poly gene   b. monogene   c. oligo gene   none of these

86. egg cell treatment is done to reduced the rate of ……….loss

Carbon dioxide   b. oxygen   c. energy   d. none of these

87. cow milk is

A. More digestive   b. low digestive   c. common digestive   d. none of these

 88. which of the following crop grown in kharif season

 A. PEGEON PEA   B. OAT   C. BARLY   D. CHICKPEA

89. highest fate percentage in the milk has found in

 A. goat   b. sheep   c. elephant   d. buffalo

90.   which of the following is essential for dairy business

 a. capital   b. management   c. land and labour   d. all the above

91. which of the following the gland is a apocrine gland

A. TESTES   B. pancreas   c. mammary gland   d. all the above

92. fat in milk is percentage in

A. emulsion form   b. solid   form   c. colloidal form   d. solution form

93. hard cheese prepared by

 a.protozoa   b. virus   c. bacteria   d. all the above

94. ratio of wheat and mustard in inter cropping system

A. 9:1   B. 8:1   C. 8:2   D. 9:1

95. MILK sugar lactose is made of

 Sucros +galactose   b. glucose + galactose   c. glucose + sucrose   d. glucose + fructose

96. strawberry is a

A. short day plant   b. long day plant   c. neutral plant   d. none of these

97. the size of milch cattle should be

 A. triangle   b. hexagonal   c. square   d. all the above

98. which crop is suitable for hay

A. Lucerne   b oat   c. beseem   d. all the above

99. which crop is called as wonder crop

A. sunflower   b. safflower   c. soybean   d. urd

100. whene did the second phase of operation flood take   place

A. 1966-1971   B. 2000-2005   C. 1978-1985   D. 1991-1995