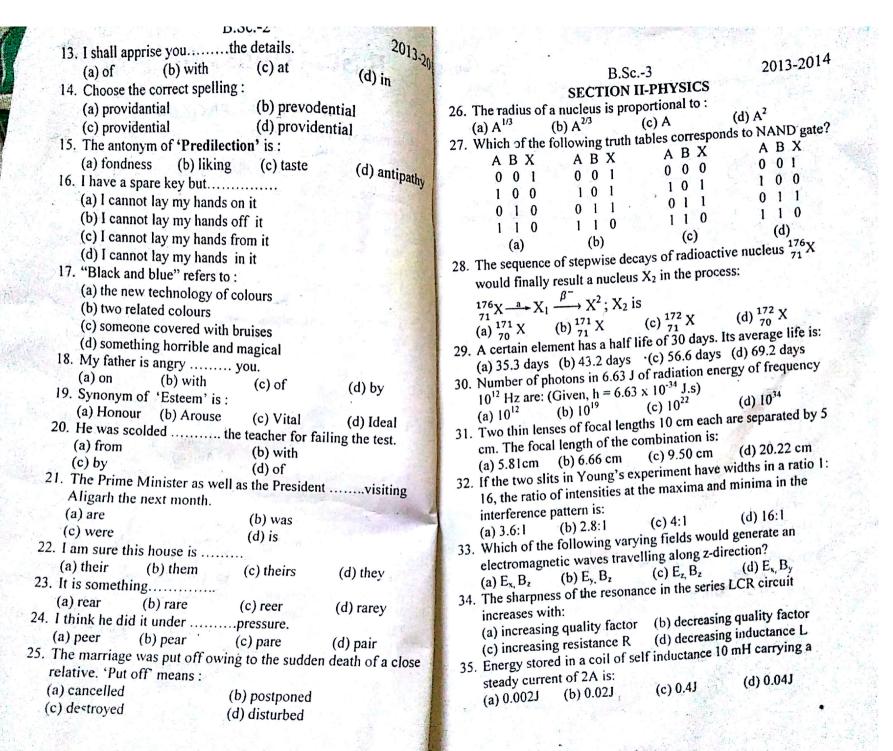
B.Sc. (Hons) 2013-14

SE	CTIC	N 1	-EN	GLI	HZ

1.	You must submit your assign	mentnext M	onday.	
	(a) since (b) at	(c) until	(d) by	
2.	Complete the sentence with the	ne most analogou	s option.	
	riagiance is to flower as smo	ke is to		
	(a) fire	(b) wind		
	(c) cloud	(d) blaze		
3.	Choose the antonym of the gi	ven word : Stign	ıa	
	(a) obstinacy	(b) honour	1000	
VA.	(c) disgrace	(d) vision	3.8	
4.	Aof bees			
	(a) swarm (b) troop (c)	herd (d)	string	
5.	The suffix '-tion' when adde	d to the word 'po	llute' makes it a:	
	(a) noun	(b) verb		
	(c) adjective	(d) adverb		
6.				
	(a) acute sickness (b) aristo			
7.	The plane that we saw was f		Marie Control of the	
	clause in the above sentence	h		
	(a) Noun clause	(b) Adjectival		
	(c) Adverbial clause	(d) Principal c	lause	
8.				
	(a) out (b) away		(d) down	
9.				
	(a) mine, his (b) my, him		(d) me, his	
10). Which of the following pair			
	(a) Thief: Thieves	(b) Lady: Ladies		
	(c) Memento : Mementos	(d) Loaf: Loa	ıfs	
1	 Who laughs last, laughs 	••••		
	(a) worst (b) best	(c) better	(d) good	
12	2. The expression to 'get away	y with' means:		
	(a) reach	(b) recover fr	om	
	(c) not to be caught	(d) spread		
		Street, with		

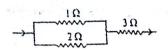


2013-201/ 36. A straight wire carrying a current of 6 A is bent into a semicircular are of radius 3.00 cm as shown in the figure



The magnetic field due to the straight segment of the wire at the centre C of the are is:

- (a) 4.0×10^{-4} T (b) 4.0×10^{-5} T (c) 8.0×10^{-5} T (d) Zero
- 37. In the circuit shown, power developed across 1Ω , 2Ω and 3Ω resistances are in the ratio:



(a) 1:2:3

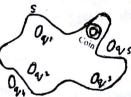
(b) 2:1:27

(c) 4:2:27

- (d) 6:4:9
- 38. Figure shows five charged lumps of plastic and an electrically neutral coin. The cross-section of a Gaussian surface is indicated.

If
$$q_1=q_4 + 3.62 \text{ nC}$$

 $q_2=q_5=-7.96 \text{ nC}$
 $q_3=-4.51 \text{ nC}$



the electric flux through the surface is (Given, $\epsilon_0 = 8.85 \times 10^{\circ}$ $^{12}C^2/Nm^2$)

(a) $-10^3 \text{ Nm}^2/\text{C}$

(b) $-10^2 \text{ Nm}^2/\text{C}$

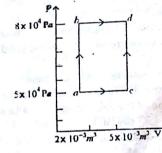
(c) $+ 10^2 \text{ Nm}^2/\text{C}$

- $(d) + 10^3 \text{ Nm}^2/\text{C}$
- 39. Initially sphere S₁ has a charge of 50 e and sphere S₂ has a charge of +20 e. The spheres are made of conducting material and are identical in size. If the spheres then touch, the resulting charge on sphere S₁ is:
 - (a) -30e (b) -15e
- (c) + 20 e
- (d) + 35 e
- 40. A standing wave is represented by $y = 4 \cos(2\pi x/50) \sin$ $(100\pi t)$, where y is the displacement of the particle. A node will occur at:
 - (a) 12.5 cm (b) 25 cm
- (c) 50 cm
- (d) none of these

B.Sc.-5

2013-2014

- 41. Distance between two consecutive nodes is:
 - (a) $\lambda/4$
- (b) $\lambda/2$
- (d) $\lambda/2$ (c) \
- 42. Two identical simple pendula are oscillating with amplitudes a and 2a respectively. Ratio of maximum velocities of their bobs is:
 - (a) 1:4
- (b) 1:2
- (c) 4:1
- (d) 2:1
- 43. A flask contains two gases A and B in the ratio of 3:1 by mass. The temperature of the mixture is 30°C. The ratio (A:B) of their average kinetic energy per molecule is:
 - (a) 3:1
- (b) 1:3
- (c) 9:1
- (d) 1:1
- 44. A thermodynamic process is shown in the adjacent figure. In process a b, 600 J of heat is added while in the process b d 200 J. The total heat added in the process a c d is:
 - (a) 800 J
 - (b) 600 J
 - (c) 560 J
 - (d) 650 J



- 45. Two wires of the same material have their diameters in the ratio 2:1 and lengths in the ratio 1:2 respectively. If they are stretched by the same force, their elongation will be in the ratio: (d) 1:4 (c) 2:1(b) 1:8
- (a) 8:1 46. A body weighs 63 N on the surface of the earth. The gravitational force on it due to the earth at a height equal to half the radius of the earth is:
 - (a) 63 N
- (b) 28 N
- (c) 21 N (d) 31.5 N
- 47. A 3000 kg motor car can accelerate from rest to a speed of 30 m/sec in 10 seconds. To cause this acceleration, what average power the engine of car must produce? Neglect the losses due to friction:
 - (a) 135 kW (b) 145 kW
- (c) 155 kW (d) 160kW

48. A retarding force of 150 N is applied to a body of mass 300 gm moving with a speed of 20 m/sec. How long does the body take to stop?

(a) 0.04 sec (b) 0.4 sec

(c) 4 sec

(c) MLT-1

(d) 40 sec

49. A bullet is fired horizontally from a gun situated at a height of 40 m above a horizontal plane with a velocity of 200 m/s to hit a target on the horizontal plane. The target is situated at:

(a) $400 \sqrt{2}$ m (b) $600 \sqrt{2}$ m (c) $800 \sqrt{2}$ m (d) $900 \sqrt{2}$ m 50. Dimension of surface tension is:

(a) MT⁻²

(b) MLT⁻²

(d) ML^2T^{-2}

SECTION III-CHEMISTRY

51. The process in which there is no transfer of heat between system and surroundings is known as:

(a) Isothermal (b) Adiabatic (c) Isochoric (d) Isobaric

52. When temperature of a crystalline solid is raised from 0 to 115 K, its entropy:

(a) remains constant (b) decreases (c) increases

(d) may increase or decrease depending upon nature of solid

53. Which one of the following is not a Lewis acid:

(a) NH₃ (b) BCI₃

(c) CO³⁺

 $^{3+}$ (d) Mg^{2+}

54. The value of ionic product of water at 298 K is:

(a) $1.0 \times 10^{-7} \text{ M}^2$

(b) $1.0 \times 10^7 \text{ M}^2$

(c) $1.0 \times 10^{-14} \text{ M}^2$

(d) $1.0 \times 10^{14} \text{ M}^2$

55. According to Faraday's first law of electrolysis the amount of chemical reaction occurs at any electrode during electrolysis by a current is proportional to:

(a) conductivity of electrolyte (b) dilution of electrolyte

(c) temperature

(d) quantity of electricity passed through electrolyte

56. In a Daniell cell $Zn(s) + Cu^{2+}(aq) \rightarrow Zn^{2+}(s) + Cu(s)$ the reduction half reaction is:

(a) $Cu^{2+}(aq)+2e^- \rightarrow Cu(s)$

(b) $Zn^{2+}(aq)+2e^- \rightarrow Zn(s)$

(c) $Zn(s) \rightarrow Zn^{2+}(aq) + 2e^{-}$

(d) $Cu(s) \to Cu^{2+}(aq) + 2e^{-}$

57. For a chemical reaction the half life period (t_{1/2}) is independent of initial concentration of reacting species. The order of reaction is:

(a) 0

(b) 1

(c) 1.5

(d)2

2013-2014 B.Sc.-7 Which one of the following is emulsion? (c) milk (d) cloud (a) paint (b) butter For a orthorhombic crystal system, which is incorrect? (a) $a \neq b \neq c$ (b) $\alpha = \beta = \gamma = 90^{\circ}$ (c) $a = b \neq c$ (d) none The hybridization of Xe in XeF₂ and XeF₄ are respectively: (b) sp³d and sp³d² (a) sp^3d^2 and dsp^2 (d) sp³d² and sp³d (c) sp² and sp³ d The following coordination compounds [CO(NH₃)₆] [Cr(CN)₆] and [Cr(NH₃)₆] [CO(CN)₆] exhibit the isomeric relation: (b) Ionisation isomers (a) Linkage isomers (d) Structural isomers (c) Coordination isomers Bauxite is an ore of: (d) None of the above (c) Fe (a) Cu (b) A1 The radial part of wave function depends on the quantum numbers: (d) Lonly (c) $\lfloor m_1 \rfloor$ (b) n only (a) n,] Which is a good conductor of heat and electricity? (c) fullerene (d) none (a) diamond (b) graphite

Which one of the following is metalloide:

(a) Li

(b) Be

(c) Xe

(a) Li SF₄ has:

(a) Seesaw geometry

(b) Tetrahedral geometry

(c) Planar geometry (d) Distorted tetrahedral geometry
An octahedral complex is formed when hybrid orbitals of
following types are involed:

(a) sp³

(b) dsp²

(c) sp^3d^2

(d) sp³d

(d) Te

Out of the following which structures represent the same compound:

(A) (B) (C) (b) B,C (c) A,C (d) A,B,C

(a) A,B (b) B,9 Benzene undergoes:

(a) electrophilic addition

(b) electrophilic substitution

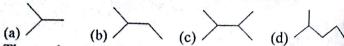
(c) nucleophilic addition

(d) both (a) and (c)

70. A β-hydroxy carbonyl compound is obtained by the action of NaOH on:

- (a) (C₆H₅)₃ C.CHO
- (b) C₆H₅.CHO (d) CH₁CHO

- (c) H.CHO
- 71. Which of the alkane is synthesized from single alkyl halide?



72. The product 'A' of the following reaction is:

73. Which of the following is an organometallic compound?

- (a) Lithium dimethylamide
- (b) Lithium acetate
- (c) Phenyl lithium
- (d) Sodium methoxide
- 74. The product of the following reaction is:

75. A base-sugar-phosphate unit in nucleic acid is known as:

- (a) phospholide
- (b) nucleoside

(c) nucleotide

(d) base phosphate

B.Sc.-9 SECTION IV-MATHEMATICS

76. The points on the curve $4x^2 + 9y^2 = 1$, where the tangents are perpendicular to the line 2y + x = 0, are:

(a)
$$\left(\frac{3}{2\sqrt{100}}, -\frac{1}{3\sqrt{10}}\right)$$
 and $\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$

(b)
$$\left(-\frac{3}{2\sqrt{10}}, -\frac{1}{3\sqrt{10}}\right)$$
 and $\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$

(c)
$$\left(-\frac{3}{2\sqrt{10}}, -\frac{1}{3\sqrt{10}}\right)$$
 and $\left(\frac{3}{2\sqrt{10}}, -\frac{1}{3\sqrt{10}}\right)$

(d)
$$\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$$
 and $\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$

- (b) $\left(-\frac{3}{2\sqrt{10}}, \frac{3\sqrt{10}}{3\sqrt{10}}\right)$ and $\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$ (c) $\left(-\frac{3}{2\sqrt{10}}, -\frac{1}{3\sqrt{10}}\right)$ and $\left(\frac{3}{2\sqrt{10}}, -\frac{1}{3\sqrt{10}}\right)$ (d) $\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$ and $\left(-\frac{3}{2\sqrt{10}}, \frac{1}{3\sqrt{10}}\right)$ 77. Let $f(x) =\begin{cases} \sin^{-1} |x| & \cos \frac{1}{x}, & x \neq 0 \\ 0 & x, & x = 0 \end{cases}$ and f(0) = 0, then:
 - (a) Right hand limit is not equal to left hand limit at x=0
 - (b) Limest at x = 0 is not equal to the value of the function at x=0
 - (c) Function is continuous at x = 0
 - (d) Nome of the above
- 78. If $f: \mathbb{R} \to \mathbb{R}$ is defined by $f(x) = x^2 + 1$, then the values of $f^{-1}(17)$ and f'(-3) are respectively:
 - (a) ϕ , {4,-4}, (b) {4,-4}, ϕ
- (c) $\{4,-4\}$, $\{2,-2\}$ (d) $\{3,-3\}$, ϕ

- 79. If $1 \times x^2 = 0$, then
 - (a) x = 3

(b) x = 3 or 6

(c) x = 3 or 3/2

- (d) none
- 80. The value of the determinant:

$$\begin{vmatrix} x+1 & x+2 & x+4 \\ x+3 & x+5 & x+8 \\ x+7 & x+10 & x+14 \end{vmatrix}$$
 is:

- (a) -2
- (b) x^2+2

(c)2

- (d) none of these
- 81. If a matrix A is invertible, then inverse of A is:
 - (a) always non-singular matrix
- (b) always singular matrix
- (c) may be non-singular matrix
- (d) non-singular as well as singular matrix
- 82. The radius of the circular section of the sphere $|\vec{r}| = 5$ by the plane $-((^{\wedge}_{i} + ^{\wedge}_{i} + ^{\wedge}_{k}) = 3\sqrt{3}$ is:
 - (a) 1
- (b) 2
- (c) 3
- (d) 4

s4. The constraints

 $-x_1+x_2 \le 1$

 $-x_1 + 3x_2 \le 9$

 $x_1, x_2 \ge 0$ defines on:

(a) bounded feasible space

(b) unbounded feasible space

(c) both bounded and unbounded feasible space

(d) none of these

85. Four eards are drawn from a pack of 52 cards. The probability of drawing exactly one pair is:

(a) 0.4

(b) 0.5

(c) 0.8

(d) 0.3

86. The regression coefficient of y on x is 2/5 and x on y is 4/3. If the acute angle between the regression line is θ , then tan θ is equal to:

(a) 1/9

(b) 2/9

(d) none of these

(c) 1/18 87. A and B throw a dice. The probability that A's throw is not greater than B's is:

(a) 5/12

(b) 7/12

(c) 1/6

 $(d)^{1/2}$

88. If $\frac{\sin(x+y)}{\sin(x-y)} = \frac{a+b}{a-b}$, then $\frac{\tan x}{\tan y}$ is equal to:

(b) $\frac{a}{b}$

 $(c)\frac{a+b}{a-b}$

89. In an examination a candidate is required to pass four different subjects. The number of ways he can fail is:

(a) 4

(b) 10

(c) 15

(d) 24

90. If $cos(\alpha + \beta) = 0$, then $sin(\alpha + 2\beta)$ is equal to:

(a) $-\sin\alpha$ (b) $\cos\alpha$

(c) $\sin \beta$

(d) $\cos\beta$

91. The maximum value of $sin\theta cos\theta$ is:

(a) 1

(c) $\frac{1}{\sqrt{2}}$

92. Let $A = \{3,4\}$ and $X = \{0,1,2,3,4\}$. Let A' denotes the complement of A in X. Then:

 $(a)\{0\}\in A'$ $(b)\ 0\subseteq A'$

 $(c) \{0\} \subseteq A'$

 $(d) \phi \in A'$

B.Sc.-11

2013-2014

93. In a group of 50 people, 35 speak Hindi, 25 speak both English and Hindi and all the people speak at least one of the two languages. Then:

(a) 12 people speak only English and not Hindi

(b) 35 people speak English

(c) 10 people speak only Hindi and not English

94. Let A and B be two nonempty subsets of a set X such that A is not a subset of B. Then:

(a) A is a subset of complement of B

(b) B is a subset of complement of A

(c) A and B are disjoint

(d) A and complement of B are not disjoint

95. The maximum distance of the point P (6,7) from the circle

 $x^2+y^2+4x-2y-11=0$ is:

(a) 4 (b) 10 (c) 14 (d) 6 96. If the slope of one of the lines $ax^2 + 2hxy + by^2 = 0$ be the square of the other, then $\frac{a+b}{h} + \frac{8h^2}{ab}$ is:

(d) 8

97. The distance between two parallel lines is unity. A point P lies between the two lines at a distance k from one of them. The length of a side of an equilateral $\triangle PQR$, the vertex Q of which lies on one of the parallel lines and vertex R lies on other line, is:

(a) $\frac{1}{\sqrt{3}}\sqrt{k^2-k+1}$

(b) $\frac{2}{\sqrt{3}}\sqrt{k^2+k+1}$

(c) $\frac{1}{\sqrt{3}}\sqrt{k^2+k+1}$

(d) $\frac{2}{\sqrt{3}}\sqrt{k^2-k+1}$

98. $\int_0^3 [x] dx$ is equal to:

(a) 1

(b)

(c)3

(d) 4

B.Sc.-13

2013-2014

99. $\int \frac{2^x + 3^x}{5^x} dx$ is:

(a) $\frac{\binom{2}{5}^{x}}{\log_{e}\frac{2}{5}} + \frac{\binom{3}{5}^{x}}{\log_{e}\frac{3}{5}} + C$ (b) $\frac{\log_{e}(\frac{2}{5})}{\frac{2}{5}} + \frac{\log_{e}(\frac{3}{5})}{\frac{3}{5}} + C$

(c) $\left(\frac{2}{5}\right)^{\bar{x}} \log_e \left(\frac{2}{5}\right) + \left(\frac{3}{5}\right)^{x} \log_e \left(\frac{3}{5}\right)$

(d) none of the above

100. The area of the region bounded by the curves $y = x^2 + 2$, y = x, x = 0 and x = 3 is given by:

(a) 21 sq units (b) $\frac{21}{2}$ sq units (c) 15 sq units (d) $\frac{15}{2}$ sq units

SECTION V BIOLOGY

- 101. Origin of new species in the populations occupying the same geographic area is termed as:
 - (a) Sympatric speciation
- (b) True speciation
- (c) Autogenous speciation
- (d) Phyletic speciation
- 102. Which of the following is not the function of liver in adult human beings?
 - (a) Production of bile
- (b) Haemopoesis
- (c) Formation of urea
- (d) Destruction of dead RBC
- 103. The first genetically engineered protein hormone produced commercially is:
 - (a) Thyroxine (b) Insulin
- (c) Aldosterone (d) ADH
- 104.B-cells mature in:
 - (d) Lymph nodes (a) Thymus (b) Bone marrow (c) Spleen
- 105. The type of scales found in sharks are:
 - (a) Ganoid (b) Placoid
- (d) Cycloid (c) Ctenoid
- 106.Hexagonal mid-dorsal scales are present in:
 - (a) Cobra
- (b) krait
- (c) Pit viper
- (d) Pit-less viper
- 107. The outer layer of blastocyst surrounding the embryonic mass is called:
- (a) Trophoblast (b) Ectoderm (c) Ectoblast (d) Periblast 108. At high altitudes, there is:
 - (a) an increase in the number of erythrocytes
 - (b) an increase in the size of erythrocytes
 - (c) decrease in the number of erythrocytes
 - (d) decrease in the number of both erythrocytes and leucocytes

- 109 Succus entericus is the name given to:
 - (a) A species of enteric bacteria
 - (b) Vermiform appendix
 - (c) Succession of bacteria in intestine
 - (d) Intestinal juice
- 110.In birds, males are designated as:
 - (a) ZW
- (b) XX
- (c) XY
- (d) ZZ
- 111. Crossing over takes place during:
 - (a) Interphase
- (b) Prophase-I
- (c) Prophase-II
- (d) Anaphase-I
- 112. Which of the following abbreviations is not related to wild life organizations:
 - (b) WWF (a) IUCN
- (c) CITES
- (d) IUDs
- 113. Peripatus is a connecting link between:
 - (a) Annelida and Mollusca
 - (b) Annelida and Arthropoda
 - (c) Protozoa and Porifera
 - (d) Coelenterata and Ctenophora
- 114. The characteristic smell of the bulb of onions is due to the presence of:
 - (a) Sugar stored in the scale leaves
 - (b) Organic compounds of sulphur stored in the scale leaves
 - (c) Bad odours of the soil in which they are cultivated
 - (d) Reserve carbohydrates
- 115.A free living anaerobic bacterium capable of fixing nitrogen is:
 - (a) Azotobacter
- (b) Rhizobium
- (c) Clostridium
- (d) Streptococcus
- 116. The mechanical support to stem is provided by:
 - (a) Spring wood
- (b) Heart wood

(c) Sapwood

- (d) Autum wood
- 117. Energy transfer across trophic level is facilitated to the process of:
 - (a) Photosynthesis
- (b) Competition (d) Symbiosis
- (c) Predation 118.If temperature around the plant increases by 10°C the rate of transpiration:
 - (a) will be doubled
- (b) will become 3.16 (= $\sqrt{10}$) times
- (c) will become 10 times
- (d) will become 5 times

119 Electron Transport System (E13) is present in:	B.Sc15	2013-2014
and the middle of the control of the	130.Coffee is adulterated with:	2013 20
(a) Outer intochondrial membrane (b) Inner mitochondrial membrane	(a) French beans (b) Chicory	
	(c) Soya beans (d) None of thes	_
(a) In batusen outer and inner introchondrial membrane	131. The knowledge of Horae Science has a tremen	dous prostical
120 Definion of molybdenum causes.	application in:	dous practicar
(b) mercuse in growth	(a) Birth to old age life	
(d) Necrosis and molting	(b) Birth to adolescent life	
121. Which of the following does not occur in cyclic electron	(c) Day to day life	
transport and photophosphorylation?	(d) Infancy to adult life	
(a) Photolysis of water (b) O ₂ evolution	132. Vertical lines in a design suggest:	
(c) Formation of reduced NADPH (d) All of the above	/ \ 1 'C	(d) All aca
(c) Formation of reduced in the above	133. Primary function of clothing is:	(d) All of these
122. Female heterogamy is observed in: (a) Drosophila (b) Birds (c) Honey bee (d) Grasshopper	(a) Self expression	
(a) Drosophila (b) Birds (c) Honey bee (d) Grasshopper 123. The VNTR, belongs to a class of satellite DNA referred to as:	(b) Sense of well-being	
123. The VNTR, belongs to a class of sateline Briting for as:	(c) Self adornment	
(a) Mini-satellite (b) Centromere (c) Chromomere (d) T-DNA	(d) Social status	
124.Dragonflies are used for the biocontrol of:	134. The average growth spurt in girls takes place b	etween
(a) rust fungi (b) TMV (c) trichoderma (d) mosquitoes	(a) 10-12 years (b) 9-13 years (c) 11-14 years	(d) 13 16 years
125.Increase in concentration of toxicants along successive trophic	135.A major part of iodine in the human body is pro	esent in the
level is called:	(a) Liver	eschi in me.
(a) Eutrophication (b) Resource degradation	(b) Parathyroid gland	
(c) Toxication of food chain (d) Biomagnification	(c) Thyroid gland	A. Carrier of
WOLED COMPLETE	(d) Pancreas	
SECTION VI HOME SCIENCE	136.'Energising' and 'Adjusting' are the phases of:	
126. For becoming a lecturer in Home Science, applicants are	(a) Planning (b) Controlling (c) Evaluating	(4)):
required to qualifyfor lecturership conducted by	by the objective of plaining and furnishing a hou	ise is.
University Grant Commission:	(a) proportion (b) palance (c) beauty	(d) pattern
(a) National Entrance Test	138. Ergot seeds are the common adultrants for	(-) Pattern
(b) National Entrepreneur Test	(a) Nice (b) Wheat (c) Daine	(d) Maize
(c) National Eligibility Test	133. The number of needles or loop per inch is know	wn as:
(d) National Equality Test		
127. The principle of design is:	(a) 1995	inched in:
(a) line (b) texture (c) emphasis (d) form		
128. Texture of a fabric refers to:	1 171. Autility to communicate effectively:	
(a) Appearance of the fabric (b) Feel of the fabric		
(c) Both (a) and (b) (d) either (a) or (b)	and the cycle is a period	of:
129. Whooping cough pathogen spreads through:	(a) I ampli	covery
(a) water (b) food (c) air (d) soil	(c) Launching period (d) All of these	Service Services

2013-2014

B.Sc.-16

143. The change in texture, colour and physical state which occurs when starch is heated in water is called:

(a) Coagulation (b) Gel (c) Gelatinization (d) None of these

144. Vat dyes are suitable for:

(a) Cellulose fibres

(b) Nylon fibres

(c) Polyester fibres

(d) All of these

145.Difficulty in walking is known as:

(a) Anorexia (b) Amnesia

(c) Ataxia

(d) Aplasia

146. Which income refers to the stream of commodities and facilities which the family enjoys over a given period of time:

(a) Money income

(b) Real income

(c) Psychic income

(d) None of these

147. Minimum sustenance level for an individual is termed as:

(a) over poverty line

(b) below poverty line

(c) poverty line

(d) none of these

148.Bandhej is a technique of:

(a) Tie and dye

(b) Batik

(c) Block printing

(d) All of these

149. Which among the following is the pre-dominating secondary sex characteristic of boys at adolescence?

(a) Hips

(b) Hair

(c) Skin

(d) Voice

150. The B-complex vitamin thiamine is also known as:

(a) Vit B₁

(b) Vit B₂

(c) Vit B₃

(d) Vit B₅

Answers: B.Sc.(Hons) 2013-14 - Series- A

1-d, 2-a, 3-b, 4-a, 5-a, 6-b, 7-b, 8-d, 9-a,10-d, 11-b, 12-c, 13-a, 14-c, 15-d, 16-a, 17-c, 18-b, 19-a, 20-c, 21-d, 22-c, 23-b, 24-a, 25-b, 26-a, 27-b, 28-d, 29-b, 30-c, 31-b, 32-b, 33-d, 34-a, 35-b, 36-d, 37-c, 38-a, 39-b, 40-a, 41-b, 42-b, 43-d, 44-d, 45-b, 46-b, 47-a, 48-a, 49-a, 50-a, 51-b, 52-c, 53-a, 54-c, 55-d, 56-a, 57-b, 58-c, 59-a, 60-b, 61-c, 62-b, 63-a, 64-b, 65-d, 66-a, 67-c, 68-c, 69-b, 70-d, 71-c, 72-d, 73-c, 74-a, 87-b, 88-b, 89-c, 90-d, 91-b, 92-c, 93-c, 94-d, 95-c, 96-b, 97-d, 98-c, 109-d, 110-d, 111-b, 112-d, 113-b, 114-b, 115-c, 116-b, 117-c, 118-a, 129-c, 130-b, 131-c, 132-d, 133-b, 134-c, 135-c, 136-b, 137-c, 138-c, 149-d, 150-a.