B.Sc. (Hons) 2015-16

SECTION I - ENGLISH

1. Smoking is injurious to health, smoking is:
   (a) Infinitive (b) Adverbe (c) Participle (d) Gerund
2. Choose the correct sentence:
   (a) The teacher gave us a test in English
   (b) The teacher took us a test in English
   (c) The teacher takes us a test in English
   (d) The teacher conducts so a test in English
3. I --------- him good night
   (a) Said (b) Wished (c) Shake (d) Shook
4. My sister is ------- to me, Poaching of ------- is prohibited
   (a) Dear, deer (b) Deer, Dear (c) Deyear, deer (d) Deear, deer
5. The word "bashful" means
   (a) Confident (b) To throw a bash (c) Shy (d) Brave
6. "As graceful as a .----------"
   (a) Duck (b) Hawk (c) Swan (d) Fox
7. The antonym of "precious" is
   (a) Valuable (b) Worthless (c) Rare (d) Treasured
8. Choose the correct sentence:
   (a) Each of the teachers were very cooperative
   (b) Each of the teacher was very cooperative
   (c) Each of the teachers was very cooperative
   (d) Every of the teachers was very cooperative
9. The phrasal very "break down" means:
   (a) To break something (b) To stop working
   (c) To start crying (d) Both (b) and (c)
10. Choose the incorrect pair:
    (a) Tooth: teeth (b) Goose:gooses
    (c) Child: children (d) Sheep: sheep
11. The meaning of Transient is:
    (a) Transparent (b) Permanent
    (c) Temporary (d) Opaque
12. A story that expresses ideas through symbols:
    (a) Allegory (b) Fable (c) Pantomime (d) Swan song

13. Anarchy is ----------
(a) Government by the lords
(b) Absence of government
(c) Government by a king
(d) Government by laws of religion

14. Our team lost the football match although the boys ------- a very good performance
(a) put in (b) put up (c) put on (d) put off

15. What is the antonym of 'frugality'?
(a) Miserliness (b) Economy
(c) Extravagance (d) Thrifty

16. If I take a state roadways bus, I'll get late, ------- ?
(a) isn't it (b) won't I (c) will I (d) is it

17. One who has little faith in human sincerity and goodness:
(a) Egotist (b) Fatalist (c) Stoic (d) Cynic

18. A person who walks in sleep.
(a) Somnambulist (b) Sadist
(c) Pedestrian (d) Itinerant

19. Don't shed crocodile tears:
(a) Tears of a crocodile (b) Insincere sorrow
(c) Weeping like crocodile (d) Tears of regret

20. "Pie in the sky" suggest:
(a) A beautiful surrounding (b) Rainy season
(c) Event unlikely to happen (d) Foreign traditions

21. Find the odd one out:
(a) Stale: fresh (b) truth: lie
(c) Slow:sluggish (d) Teach: learn

22. A loud deep ---------- of an owl breaks the silence of the dreadful night
(a) Hoot (b) Warble (c) Whistle (d) Squeal

23. A graphologist deals with:.
(a) Writing (b) Feet (c) Eyes (d) Teeth

24. Which of the following is an irregular verb?
(a) Call (b) Hope
(c) Befall (d) Help

25. Synonym of *Drench* is :
(a) Wet (b) Rain (c) Soak (d) Dry

Section: II Physics

26. If a deduteron is bombarded on $^{16}_{8}O$ nucleus, an α particle is emitted. The product nucleus is:
(a) $^{13}_{7}N$ (b) $^{10}_{5}B$
(c) $^{9}_{4}Be$ (d) $^{14}_{7}N$ 27.

27. Unit of electric field is not equivalent to:
(a) N/coulomb (b) J/coulomb
(c) V/m (d) J/ coulomb, m

28. A bomb of 12 kg (at rest) explodes into two pieces of masses 4 kg and 8 kg. The velocity of 8 kg mass is 6 m/s. The kinetic energy of the smaller mass is:
(a) 32 J (b) 48 J
(c) 144 J (d) 288 J

29. A charged particle of mass m and charge q moves along a circular path of radius r that is perpendicular to a magnetic field B. The time taken by the particle to complete one revolution is:
(a) $\frac{2\Lambda mq}{m}$ (b) $\frac{2\Lambda q^2 B}{m}$
(c) $\frac{2\Lambda qb}{m}$ (d) $\frac{2\Lambda m}{qB}$

30. Fleming's left hand and right hand rules are used in:
(a) D.C. Motors and A.C,. Generators
(b) *D.C. Generators and A.C. Motors*
(c) D.C. Motors and D.C. Generators
(d) Both rules are same, any one can be used

31. The speed of a body is doubled when it moves over a distance of 10 m. If the initial speed is v, its speed after it covers a further distance of 10 m will be:
(a) $v\sqrt{2}$ (b) $v\sqrt{6}$
(c) $v\sqrt{7}$ (d) $v\sqrt{8}$

32. When light waves suffer reflection at the interface from air to glass, the change in phase of the reflected wave is equal to:
(a) 0 (b) Λ/2
(c) Λ (d) 2A

33. The side of a square is measured to be 12.4 cm ± 0.1 cm. the error in a calculation of its perimeter:
(a) 0.2 cm (b) 0.4 cm
(c) o cm (d) 12.3 cm
34. Identify the pair whose dimensions are equal:
(a) Stress & energy
(b) Torque & work
(c) Force & stress
(d) Force & Work
35. If root mean square molecular speed is doubled, what will the new temperature?
(a) Doubled (b) Halved
(c) Four times (d) Thrice
36. An object is place at 10 cm in from of a concave mirror of radius of cuvature 15 cm Calculate the position of image:
(a) 30 cm (b) -30 cm
(c) 15 cm (d) -15 cm
37. If the distance between two bodies is double, what happen the gravitational force between them?
(a) F/2 (b) 2F
(c) F/4 (d) F/3
38. The dimensions of entropy are:
(a) $M^oL^{-1}T^oK$ (b) $M^oL^{-2}T^oK^2$
(c) $MLT^{-2}K$ (d) $ML^2T^{-2}K^{-1}$
39. A car is megotiating a curved road of radius r. If the coeffi of friction between the tyre and the road is μ, the car will sl if its speed exceeds
(a) $\sqrt{\mu rg}$ (b) $\sqrt{2\mu rg}$
(c) $\sqrt{3\mu rg}$ (d) $2\sqrt{\mu rg}$
40. If the earth were to suddenly contract to half its present size without any change in its mass, the duration of the new day will be:
(a) 6 hours (b) 12 hours
(c) 18 hours (d) 30 hours
41. A Satellite is orbiting close to the earth. In order to make it move to infinity, its orbital speed is to be increased by:
(a) 20% (b) 10% (c) 41.4% (d) 100%

A beam of metal supported at the two ends is loaded at the centre. The depression at the cente is proportional to
(a) Y^2 (b) Y
(c) 1 /Y (d) 1/y2
The current gain for a transistor working as common-base amplifier is 0.96, If the emitter current is 7.2 mA then the base current is
(a) 0.29 mA (b) 0.35 mA
(c) 0.39mA (d) 0.43 mA
A body in equilibrium may not have:
(a) Momentum (b) Velocity
(c) Acceleration (d) Kinetic energy
A dynamo converts:
(a) High voltage into low voltage
(b) Low voltage into high voltage
(c) Electrical energy into mechanical energy
(d) Mechanical energy into electrical energy
Mass and diameter of a planet are twice those of earth. If the time period of a simple pendulum at earth is T, the time period of the same pendulum at this planet will be
(a) 2T (b) T/2
(c) T/1.414 (d) 1.414T
The resultant of two vectors having magnitudes 2 and 3 is 1. The value of their cross product is:
(a) 0 (b) 1
(c) 3 (d) 6
A 220 volt- 1000 watt bulb is connected across 110 volt mains supply. The power consumed will be.
(a) 250 watt (b) 500 watt
(c) 750 watt (d) 1000 watt
A drop of water is broken into two drops. The sum of which property of the two drops is equal to that of a single one:
(a) Surface energy (b) Radius
(c) Volume (d) Surface area
A force of 1 kg wt produces in mass of 9.8 kg an acceleration of:
(a) 1 m/s^2 (b) $\frac{1}{9.8} m/s^2$
(c) 9.8 m/s^2 (d) Zero

Section III - Chemistry

51. The hybridizationin XeF_2, XeF_4 and XeF_6 respectively is
(a) dsp^3, d^2sp^3, d^3sp^3
(b) sp^3d, sp^3d^2, sp^3d^3
(c) sp^3d^2, sp^3d, sp^3d^3
(d) sp^3d^3, sp^3d^2, sp^3d

52. The oxidation number of Cr in CrO_3 is:
(a) +3 (b) +5
(c) +6 (d) 0

53. The most abundant metal in the earth crust is:
(a) Na (b) Al
(c) Ca (d) Fe

54. Photochemical smog is caused by:
(a) CO (b) CO_2
(c) O_3 (d) NO_2

55. Which of the following aldehydes does not respond Fehling's test
(a) Acetaldehyde (b) Bufanaldehyde
(c) Propioaldehyde (d) Benzaldehyde

56. What will be the molality of the solution containing 18.25 g o & HCl gas in 500 g of water?
(a) 0.1 m (b) 0.5 m
(b) 1 M (d) 1 m

57. Rayan is a:
(a) Natural polymer (b) Semisynthetic
(c) Synthetic (d) Cross linked polymer

58. The geometry of NF_3 molecule is:
(a) Bent (b) Trigonal-planar
(c) Tetrahedral (d) Trigonal-pyramidal

59. For a chemical reaction, half-life period is independent of initial concentration of the reacting species. The order of reaction is:
(a) 0 (b) 1
(c) 1.5 (d) 2

60. Which has the highest partial pressure in atmosphere?
(a) CO_2 (b) H_2O
(c) O_2 (d) N_2

1. Amorphous solids are:
(a) Super cooled liquids (b) Solid substances
(c) Liquids
(d) Substances with definite m.p.

2. van't hoff factors x,y and z for association, dissociation and no change of solute in the solution respectively are in the order:
(a) X< Y< Z (b) X> Z> Y
(c) X < Z < Y (d) X > Y > Z

3. When the electron of a hudrogen atom jumps from n = 4 to n = 1 state, the number of spectral lines emitted are:
(a) 15 (b) 9 (c) 6 (d) 3

4. The metal showing smallest work function in hotoelectric effect:
(a) Mg (b) Ca (c) K (d) Cu

5. Thermodynamically, the most stable form of carbon is:
(a) Diamond (b) Graphite
(c) Fullerences (d) Coal

6. Which one of the following is aerosol?
(a) Smoke (b) Paint
(c) Cheese (d) Milk

7. Which one is strongest electrolyte in the following?
(a) NaCl (b) CH_3COOH
(c) NH_4OH (d) $C_6H_{12}O_6$

8. Physical adsorption increases when:
(a) Temperature increases
(b) Temperature decreases
(c) Temperature remains constant
(d) Temperature increases above 60 °C

9. Percentage of gold in 18 carat fold is:
(a) 75.0% (b) 20.0%
(c) 80.0% (d) 38.67%

10. If the de Broglie wavelength of a particle of mass m is 100 times its velocity, then its value in terms of its mass (m) and Planck's constant(h) is:
(a) $\frac{1}{10}\sqrt{h}$ (b) $10\sqrt{\frac{h}{m}}$
(c) $\frac{1}{10}\sqrt{\frac{h}{m}}$ (d) $10\sqrt{h}$

71. Which one of the following is an extensive property?
(a) Temperature (b) Density
(c) Volume (d) pressure

72. If a reaction is first order in A and second order in B, then the differential rate equationis is:
(a) Rate=K[A][B]$^{1/2}$
(b) Rate=K[A][B]^2
(c) Rate=K[A]^2[B]
(d) Rate=k[A]$^{1/4}$[B]

73. If dispersed phase is liquid and dispersion mediums is solid, the colloid is classified as:
(a) Sol (b) Gel
(c) Aerosol (d) Foam

74. On the decrease of concentration of electrolyte, the conductivity:
(a) Increases (b) Decreases
(c) Remains constant
(d) May increase or decrease depending upon the nature of electrolyte

75. An isobar of $_{20}Ca^{40}$ is:
(a) $_{18}Ar^{40}$ (b) $_{20}Ca^{38}$
(c) $_{20}Ca^{42}$ (d) $_{18}Ar^{38}$

Section IV- Mathematics

76. If A={(x,y):$x^2+y^2=25$} and B=[(x,y):$x^2+9y^2=144$], the A∩ B contains
(a) one point (b) three points
(c) two points (d) four points

77. The value of x for the maximum value of $\sqrt{3}Cos\ x+\sin x$ is
(a) 30^0 (b) 60^0
(c) 45^0 (d) 90^0

78. $\text{It}_{x\to 0}\frac{(1+x)^{\frac{1}{x}e+\frac{1}{2}}\ ex}{x2}$ is equal to
(a) $\frac{11}{12}e$ (b) $-\frac{11}{12}e$
(c) $\frac{11}{24}e$ (d) $-\frac{11}{24}e$

If z is a complex number, then |z-3|+|z+3|=10 represents
(a) a circle (b) an ellipse
(c) a hyperbola (d) none of these

If |x|< 1, then the coefficient of x^n in the expansion of $(1+x+x^2+x^3+....)^2$ is
(a) n (b) n-1
(c) n+2 (d) n+1

A sequence is a ternary sequence, if it contains dights 0,1 and 2. The total number of ternary sequence of length 9 which either begin with 210 or end with 210 is
(a) 1458 (b) 1431
(c) 729 (d) 707

If sin y=x sin (a+y), then $\frac{dy}{dx}$ is equal to
(a) $\frac{\sin y}{sin^2(a+y)}$ (b) $\frac{\sin a}{sin^2(a+y)}$
(c) $\frac{sin^2(a+y)}{\sin a}$ (d) $\frac{sin^2(a+y)}{\sin y}$

If $f(x)=\begin{vmatrix} x^3 & \sin x & \cos x \\ 6 & -1 & 0 \\ p^3 & p^2 & p \end{vmatrix}$, where p is a constant then $\frac{d^3}{dx^3}(f(x))_{x=0}$ is equal to:
(a) 0 (b) 1
(c) -1 (d) None of these

Let (x)=$(2-\frac{x}{a})\ (2-\frac{x}{a})^{\tan(\frac{\pi x}{2a})}$
(a) $\frac{2}{\pi}$ (b) $e^{-2/\pi}$
(c) 2 (d) $e^{2/\pi}$

If I= $\int_{-\frac{\pi}{6}}^{\frac{\pi}{6}}\frac{\pi+4x^5}{1-\sin(|x|+\frac{\pi}{6})}$ dx, then I is equal to
(a) 4π (b) $2\pi+\frac{1}{\sqrt{3}}$
(c) $2\pi-\sqrt{3}$ (d) $4\pi+\sqrt{3}-\frac{1}{\sqrt{3}}$

86. The value of $\int_0^{\pi/2} \frac{\sqrt{\sin x}}{\sqrt{\sin x}+\sqrt{\cos x}}\,dx$ is

(a) $\pi/4$ (b) $\frac{\pi}{2}$

(c) $3\pi/4$ (d) None

87. A ladder 5 meter long standing on a horizontal floor leans against a vertical wall,. If the top of the ladder slides downwards at the rate of 10 cm/sec. When the lower end of the ladder is 2 meter from the wall, the rate, at which the angle between the floor and ladder decreasing, is

(a) 0.5 rad/sec (b) 0.05 rad/sec

(c) 0.005 rad/sec (d) None of these

88. The equation of the curve passing through the point $(1, \pi/4)$ and having slope of tangent at any point (x,y) as $\frac{y}{x}-\cos^2\left(\frac{y}{x}\right)$ is

(a) $x=1-\tan\left(\frac{y}{x}\right)$ (b) $x=e^{-\tan(y/x)}$

(c) $x=e^{1-tan-1\left(\frac{y}{x}\right)}$ (d) $x=e^{1-tan\left(\frac{y}{x}\right)}$

89. If $y(t)$ is a solution of $(1+t)\frac{dy}{dt}-ty=1$ and $y(0)=-1$, then $y(1)$ is equal to

(a) $-\frac{1}{2}$ (b) $e+\frac{1}{2}$

(c) $e-\frac{1}{2}$ (d) $\frac{1}{2}$

90. Integrating factor of the differential equation $\frac{dy}{ax}+y=\frac{1+y}{x}$ is

(a) $\frac{x}{e^x}$ (b) $\frac{e^x}{x}$

(c) xe^x (d) e^x

91. $\acute{\omega}$ is a cube root of unity, then $\begin{vmatrix} x+1 & \omega & \omega^2 \\ \omega & x+\omega^2 & 1 \\ \omega^2 & 1 & x+\omega \end{vmatrix}$ is equal to

(a) x^3+1 (b) $x^3+\omega$

(c) $x^3+\acute{\omega}^2$ (d) x^3

92. If $A=\begin{bmatrix}1 & -1 & 1\\ 2 & 1 & -3\\ 1 & 1 & 1\end{bmatrix}$, $10B=\begin{bmatrix}4 & 2 & 2\\ -5 & 0 & \alpha\\ 1 & -2 & 3\end{bmatrix}$ and B is inverse of A, then the value α is

(a) 0 (b) 2 (c) 4 (d) 5

93. If the system if linear equations $x+y+z=6$, $x+2y+3z=14$ and $2x+5y+\lambda z=\mu$ $(\lambda,\mu \in R)$ has a unique solution the

(a) $\lambda\neq 8$ (b) $\lambda=8, \mu\neq 36$

(c) $\lambda=8, \mu=36$ (d) None

94. The quadratic equation whose roots are reciprocal of the roots of the equation $ax^2+bx+c=0$ is

(a) $bx^2+cx+a=0$ (b) $cx^2+bx+a=0$

(c) $cx^3+ax+b=0$ (d) $bx^2+ax+c=0$

95. If three students, A,B,C, can solve a problem with probabilities 1/3, ¼ and 15 resepectively, then the probability that the problem will be solved is

(a) 2/5 (b) 3/5 (c) 4/5 (d) None

96. Using cofactors of elements of second row, the value of the determinant $\Delta=\begin{vmatrix}5 & 3 & 8\\ 2 & 0 & 1\\ 1 & 2 & 3\end{vmatrix}$ is

(a) 7 (b) 8 (c) 5 (d) 3

97. If $A=\begin{bmatrix}2 & 3\\ 1 & -4\end{bmatrix}$ and $B=\begin{bmatrix}1 & -2\\ -1 & 3\end{bmatrix}$ then $(AB)^{-1}$ is given by

(a) $\frac{1}{11}\begin{bmatrix}14 & 5\\ 5 & 1\end{bmatrix}$ (b) $\frac{1}{14}\begin{bmatrix}11 & 4\\ 5 & 1\end{bmatrix}$

(c) $\frac{1}{11}\begin{bmatrix}5 & 14\\ 1 & 5\end{bmatrix}$ (d) $\frac{1}{11}\begin{bmatrix}5 & 1\\ 14 & 5\end{bmatrix}$

98. The equation of the normal the point (1,1) on the curve $2y+X^2=3$ is

(a) $x+y=0$ (b) $x-y=0$ (c) $x+y+1=0$ (d) $x-y+1=0$

99. The positional average of central tendency is

(a) GM (b) HM (c) AM (d) Median

100. The inverse of a symmetric matrix is

(a) symmetric (b) Skew-symmetric

(c) diagonal matrix (d) none of these

Section V- Biology

101. In which type of cell the primitive form of nucleus is found in?
(a) Prokaryotic cell (b) Eukaryotic cell
(c) Virus (d) none of above

102. Who discovered conjugation in bacteria?
(a) Khorana (b) Zinder & Lederberg
(c) Beadle & Tatum
(d) Lederberg & Tatum

103. The deficiency of molybdenum results in
(a) Wilting of plants (b) Increase in plant growth
(c) Chlorosis of leaves (d) Molting and necrosis of leaves

104. Turner's syndrome is caused due to
(a) Presence of an additional copu of x-chromosome
(b) Presence of an additional copy of chromosome number 21
(c) Absence of one of x-chromosomes (45 with XO)
(d) Change in one base in gene codig for hemoglobin

105. The non-motile gametes are produced by the member of
(a) Chlorophyceae (b) Rhodophyceae
(c) Cyanophceae (d) Phaeophyceae

106. Which of the following cell is featured in majourity of angiosperms
(a) Albuminous cells (b) Sieve cells
(c) Trachieds (d) Companion cells

107. The tapetum nourishes the developing
(a) Embryo (b) Endosperm
(c) Nucellus (d) Pollen grains

108. The sporangia bearing leaves of Pterodophytes are called
(a) Microphylls (b) Sporophylls
(c) Megaphylls (d) Macrophylls

109. Chemiosmotic hypothesis for ATP generation during oxidative phosphorylation was proposed by
(a) Melvin Calvin (b) Joshua Lederberg
(c) Peter Mitchell (d) Selman A. Waksman

10. Important objectives of biotechnology in agriculture sector is
(a) To produce pest resistance varieties
(b) To increase the nitrogen content
(c) To decrease the seed number
(d) To increase the plant weight

111. *Puccinia graminis iritici* caused rust disease in
(a) Gram (b) Wheat
(c) Rice (d) Pea

112. In photosystem I, the reaction centre cholorophyll a has an absorption peak at
(a) 590 nm (b) 700 nm
(c) 650 nm (d) 680 nm

113. Which among the followings is not a bacterial disease
(a) Typhoid fever (b) Pneumonia
(c) Malaria (d) Tuberculosis

114. Air that is left in the lung after forced expiration is
(a) Residual volume (b) Tidal volume
(c) Vital capacity (d) Reserve volume

115. Rods and cones are present in
(a) Iris (b) Cornea
(c) Sclerotic (d) Retina

116. Collaterial glands of female cockroach helps in
(a) Copulation (b) Formation of Ootheca
(c) Formation of exoskeleton (d) Fertilization

117. Aristotle's lantern is found in
(a) Star fish (b) Brittel star
(c) Sea Cucumber (d) Sea Urchin

118. During buccal respiration in frog
(a) Nostril remain closed and glottis remain open
(b) Nostril remain open and glottis remain closed
(c) Both nostril and glottis remain closed
(d) Both nostril and glorris remain open

119. Antrum is the cavity of
(a) Blastula (b) Carpus luteum
(c) Graafian follicle (d) Gastrula

120. In earthworm, the typholosole is a part of which system.
(a) Circulatory (b) Locomotion
(c) Digestive (d) Excretory

121. Diversity of habitat in a geographical area is:
(a) Alpha (b) Beta
(c) Gamma (d) Delta

122. Excretory product in cockroach is:
(a) Ammonia (b) Urea (c) Uric acid (d) None

123. Roundworms are
(a) Pseudocoelomate (b) Coelomate
(c) Acoelomate (d) None

124. Adrenal cortex secretes:
(a) Mineralocorticoids (b) Glucocorticoids
(c) Gondocorticoids (d) All of the above

125. In earthworm setae is absent from:
(a) Ist and last segment (b) Clitellum
(c) All segments (d) Phyrayngeal region

Section VI – Home Science

126. All carbohydrates are made up of carbon, hydrogen & oxygen. The ratio between the numbers of hydrogen & oxygen atoms in their molecules is always:
(a) 1:1 (b) 2:1
(c)2:3 (d) All o the above

127. The word textiles come from a latin word 'Textile' which means:
(a) Fabric (b) Weave
(c) Loop (d) None

128. Which of the following is not the special finishes:
(a) Mercerizing (b) Shrinkage control
(c) Bleaching (d) Dyeing

129. B.C.G. vaccination provides protection against
(a) Typhoid (b) Measles
(c) Tuberculosis (d) Diphtheria

130. Which is not the Human Resources;
(a) Energy (b) Knowledge
(c) Money (d) Time

131. One of the important features of communication is that it is a –
(a) Three-way traffic (b) One- way traffic
(c) Two-way traffic (d) Four-way traffic

132. Histidine an Arginine are two essential amino acid refined in:
(a) Adulthood (b) Old age
(c) Childhood (d) Infancy

133. The food that can be served in diarrhoea:
(a) Pumpkin vegetable (b) Suji kheer
(c) Curd (d) All the above

134. Air is the medium of cooking in:
(a) Grilling (b) Sauteing
(c) Poaching (d) Stewing

135. The threads which are woven across the width of the fabric are called:
(a) Warp (b) Yarn
(c) Weft (d) Weave

136. The quality of the homemaker that combines courage and patience is:
(a) Adaptability (b) Perseverance
(c) Intelligence (d) Resourcefulness

137. The disaccharide sucrose contains
(a) One molecule of glucose and one of galactose
(b) One molecule of glucon and one of fructose
(c) One molecule of glucose and one of raffimore
(d) Two molecules of glucose

138. The main protein present in cottage cheese is:
(a) Lacto albumin (b) Lacto globulin
(c) Casein (d) Lactose

139. A type of thinking leading to novel solutions of problems or new combination of stimuli is called:
(a) Heredity (b) Reasoning
(c) Creativity (d) Maturation

140. The chemical that gives tomatoes the red colour is:
(a) Lipids (b) Lecithin
(c) Lycopene (d) Liasine

141. The term kwashiorkor was first introduced by Dr. Cicely Williams in:
(a) 1945 (b) 1935 (c) 1955 (d) 1965

142. Keratin is the fibre material of:
(a) Cotton (b) Wool (c) Nylon (d) Linen

143. Work organization is done to:
(a) Save time and energy (b) Save time and money
(c) Save money and time (d) Save energy only

144. Which nerve leads to the throat, salivary glands and the mucous membrane covering the tongue:
(a) Glossopharyngeal nerve (b) Vo gus nerve
(c) Auditory nerve (d) Oculomotr nerve

145. Which of the following is a human resource:
(a) Time (b) Money
(c) Property (d) Meterial goods

146. Height is 30- 31.5 inches during
(a) 15-18 months (b) 18-15 months
(c) 12-15 months (d) 9-12 months

147. Induction & Deduction are the abilities called:
(a) Moral ethics (b) Cognitive skills
(c) Motor skills (d) Mathematical skills

148. Retinaldehde, Retinol and Retinoic acid are:
(a) Various form of Vit-D (b) Various forms of Vit-E
(c) Various form of Vit-A (d) Various forms of Vit-B_1

149. Strict rules and regulation the basic characteristic features and children are more discontent is:
(a) Authoriarian parenting style
(b) Authoritative parenting style
(c) Democrative parenting style
(d) Permissive parenting style

150. A summarized statement of the assets and liabilities of the family is a:
(a) Ledger (b) Accounts (b) Balance sheet(d) None

Answers: B.Sc.(Hons) 2015-16 –Series- B

1-d, 2-a, 3-b, 4-a, 5-c, 6-c, 7-b, 8-c, 9-d,10-b, 11-c, 12-a, 13-b, 14-b, 15-c, 16-b, 17-d, 18-a, 19-b, 20-c, 21-c, 22-a, 23-a, 24-c, 25-c, 26-d, 27-b, 28-d, 29-d, 30-c, 31-c, 32-c, 33-b, 34-b, 35-c, 36-b, 37-c, 38-d, 39-a, 40-a, 41-c, 42-c, 43-a, 44-c, 45-d, 46-d, 47-a, 48-a, 49-c, 50-a, 51-b, 52-c, 53-b, 54-d, 55-d, 56-d, 57-b, 58-d, 59-b, 60-d, 61-a, 62-c, 63-c, 64-c, 65-b, 66-a, 67-a, 68-b, 69-a, 70-b, 71-c, 72-b, 73-b, 74-b, 75-a, 76-d, 77-a, 78-c, 79-b, 80-d, 81-b, 82-c, 83-a, 84-d, 85-a, 86-a, 87-b, 88-d, 89-a, 90-b, 91-d, 92-d, 93-a, 94-b, 95-b, 96-a, 97-a, 98-b, 99-d, 100-a, 101-a,102-d, 103-d, 104-c,105-b, 106-d, 107-d, 108-b, 109-c, 110-a, 111-b, 112-b, 113-c, 114-a, 115-d, 116-b, 117-d, 118-b, 119-c, 120-c, 121-c, 122-c, 123-a, 124-d, 125-a, 126-b, 127-b, 128-c, 129-c, 130-c, 131-c, 132-d, 133-d, 134-d, 135-c, 136-b, 137-b, 138-c, 139-c, 140-c, 141-b, 142-b, 143-a, 144-a, 145-a, 146-a, 147-b, 148-c, 149-a, 150-c .