1. In the differential count of WBC, the percentage composition of neutrophils is about
   A) 70%
   B) 30%
   C) 6%
   D) 4%.

2. The renal pelvis projects in between pyramids in the form of finger like foldings called
   A) renal pelvis
   B) renal columns of Bertini
   C) hilus
   D) calyces.

3. Net filtration pressure at glomerulus which is also responsible for the ultrafiltration is
   A) 75 mm Hg
   B) 30 mm Hg
   C) 25 mm Hg
   D) 10 mm Hg.
4. The muscle protein which plays an important role in sensitizing actin and myosin molecules to calcium ions is
   A) Myosin  B) Actin  C) Troponin  D) Tropomyosin.

5. The impulses are transmitted from the central nervous system to the various parts of the body through
   A) afferent nerves  B) efferent nerves  C) mixed nerves  D) autonomic nerves.

6. Organ of Corti in the human ear is located on
   A) Basilar membrane  B) Reissner's membrane  C) Helicotrema  D) Scala vestibuli.

7. The second zone of the atmosphere which is about 30 km in height is called
   A) Ionosphere  B) Mesosphere  C) Stratosphere  D) Troposphere.
8. The rate of respiration and other physiological processes become doubled at the increase of 10°C above the optimum temperature. This principle is explained in

A) van't Hoff's law  B) Liebig's law
C) Allen's rule  D) Rensch's rule.

9. The special air breathing roots that are found in Halophytes like mangroves are called

A) tenagophytes  B) xerocoeles
C) hydrocoeles  D) pneumatophores.

10. In animal association, where one species is benefitted while the other is neither benefitted nor harmed is referred to as

A) Mutualism  B) Commensalism
C) Amensalism  D) Competition.

11. The external nares in rabbit are surrounded by

A) Hare lip  B) Vibrissae
C) Rhinarium  D) Pinna.

A)  B)  C)  D)
12. When the teeth are attached to the inner side of the jaw bone by their base as well as one side, it is referred as
A) acrodont  B) pleurodont
C) thecodont   D) homodont.

13. The process of ingestion of large sized solid substances by the cell is known as
A) Phagocytosis  B) Pinocytosis
C) Exocytosis   D) Endocytosis.

14. Dictyosome consists of groups of
A) tubules  B) cisternae
C) vesicles   D) glyoxisomes.

15. The structures that are attached to the membrane of rough endoplasmic reticulum are
A) oxisomes  B) $F_1$ particles
C) polysomes  D) ribosomes.
16. Autophagy is one of the important functions of
A) plasma membrane B) endoplasmic reticulum
C) lysosome D) golgi bodies.

17. In the Krebs’ cycle, the succinic acid is converted into
A) oxaloacetic acid B) fumaric acid
C) malic acid D) isocitric acid.

18. The net gain of ATP that is produced during the aerobic respiration of one glucose molecule is
A) 32 B) 34
C) 36 D) 38.

19. The two sub-units that are present in an 80 S ribosome are
A) 50 S and 30 S B) 60 S and 20 S
C) 70 S and 10 S D) 60 S and 40 S.
20. Balbiani rings are associated with
A) √ Polytene chromosomes
C) Prokaryotic chromosomes

21. Mesosomes are the invaginated structures formed by the localised infoldings of
A) plasma membrane
C) endoplasmic reticulum

22. The best staining method for those bacteria whose cell wall contains considerable amounts of mycolic acid which makes their cells difficult to stain is
A) negative staining
C) Ziehl-Neelsen staining

23. Vibrio cholerae for its growth, requires
A) acidic medium
C) neutral medium

24. Which of the following is the single stranded DNA virus?
A) Adenovirus
C) Pox virus
25. Chicken embryo technique is used to
A) culture the bacteria in the medium
B) culture the animal virus
C) study the bacterial infection in the chick embryo
D) study the viral infection in the chick embryo.

26. The bacteria which can oxidise ammonia to nitrites is
   A) nitrosomonas
   B) nitrobacter
   C) pseudomonas
   D) azotobacter.

27. The symbiotic nitrogen fixing bacteria is
   A) Pseudomonas aeruginosa
   B) Escherichia coli
   C) Bacillus anthracis
   D) Rhizobium etli.

28. Diphtheria is an acute inflammatory condition of upper respiratory tract, usually the throat. It is caused by
   A) Coryne bacterium
   B) Streptococcus
   C) Haemophilus
   D) Straphylococcus.
29. Human Diphtheria Cell Vaccine (HDCV) is used for the vaccination against the disease
A) Poliomyelitis  
C) Influenza
B) Anthrax  
D) Rabies.

30. The presence of pathogenic micro-organisms in water can be identified with the help of an indicator organism namely
A) Entamoeba histolytica  
C) Yersinia pestis
B) Escherichia coli  
D) Giardia intestinalis.

31. Sexual separation of the defective is a measure of
A) positive eugenics  
C) negative eugenics
B) positive eutechnics  
D) negative eutechnics.

32. The enzymes that are used to cut the DNA double helix in a precise way, are
A) Restriction enzymes  
C) Isomerase enzymes
B) DNA polymerases  
D) DNA ligases.

33. Some plasmids integrate with the chromosomal DNA and form
A) Episomes  
C) Transposons
B) Polysomes  
D) Palindromes.
34. Chemical substances that are used to induce the fusion of protoplasts are called
A) cosmogens
B) mutagens
C) fusagens
D) protogens.

35. The cell organelle which is responsible for the formation of acrosome, is
A) Golgi bodies
B) Endoplasmic reticulum
C) Centriole
D) Microsomes.

36. In normal fertilization the sperm brings in a lytic principle which brings about
cortical cytolysis and a second substance called corrective factor which
regulates oxidation. This is the essence of
A) Repressor theory
B) Sensitization theory
C) Loeb's theory
D) Lillie's theory.

A) विशिष्टतमता साधन
B) विशिष्टतमता साधन
C) विशिष्टतमता साधन
D) विशिष्टतमता साधन.

[Turn over]
37. The type of cleavage that occurs in hen’s egg is
A) Holoblastic, equal  B) Holoblastic, unequal
C) Meroblastic, superficial  D) Meroblastic, discoidal.

38. Flattening and extension of cells enveloping the inwardly migrating prospective mesodermal cells and endodermal cells occurs during
A) epiboly  B) emboly
C) invagination  D) delamination.

39. Telencephalic vesicles later develop into
A) cerebellar hemispheres  B) cerebral hemispheres
C) medulla oblongata  D) metencephalon.

40. The empty follicles after discharging the ovum transform into
A) corpus albicans  B) pineal gland
C) corpus luteum  D) thymus gland.

41. Secondary consumers of an ecosystem occupy
A) first trophic level  B) second trophic level
C) third trophic level  D) fourth trophic level.
42. The ability of the animals to orient themselves to face into current and move upstream is referred to as
A) Rheotaxis
C) Phototaxis
B) Thigmotaxis
D) Thermotaxis.

43. The birth rate which is one of the important parameters that controls the population is otherwise known as
A) Natality
C) Fecundity
B) Mortality
D) Immigration.

44. Minamata disease is caused mainly due to pollution activity of
A) hydrocarbons
C) lead
B) chlorofluorocarbons
D) mercury.

45. Calefaction refers to the
A) Water pollution
C) Thermal pollution
B) Radioactive pollution
D) Noise pollution.

46. The first established National Park in India is
A) Tandoba National Park
C) Corbett National Park
B) Simlipal National Park
D) Palamau National Park.
47. The gas that was leaked accidentally from the storage tanks of the pesticide factory in Bhopal is
   A) Carbonyl chloride
   B) Peroxyacetyl nitrate
   C) Hydrogen cyanide
   D) Methyl isocyanate.

48. The very common water mold disease caused by fungus in fish is
   A) Flunculosis
   B) Costiasha
   C) White spot disease
   D) Saprolegniasis.

49. Among the major cultivable fishes in India, which one is the catfish?
   A) Catla catla
   B) Cyprinus carpio
   C) Clarias batrachus
   D) Channa striatus.

50. The scientific name of pearl oyster is
   A) Perna viridis
   B) Crassostrea madrasensis
   C) Pinctada fucata
   D) Perna indica.

51. Myxoedema, which is characterised by a peculiar thickening and puffiness of face and extremities, occurs due to
   A) hypersecretion of thyroxine
   B) hypossecretion of thyroxine
   C) hypersecretion of somatotropin
   D) hypossecretion of somatotropin.
52. The endocrine gland that develops embryonically from third and fourth pairs of pharyngeal pouches is
A) adrenal gland
B) pituitary gland
C) thyroid gland
D) parathyroid gland.

53. Glucagon is a polypeptide hormone consisting of
A) 21 amino acids
B) 29 amino acids
C) 32 amino acids
D) 38 amino acids.

54. The best example for the mineralocorticoid is
A) aldosterone
B) cortisone
C) catecholamine
D) dopamine.

55. Interstitial cells of Leydig secrete a hormone called
A) erythropoietin
B) progesterone
C) testosterone
D) oestrogen.
56. The correct steroid hormone is
A) Parathormone  B) Somatotropin
C) Corticotropin  D) Cortisone.

57. Feedback mechanism is seen in the secretion of
A) thyrotropin  B) growth hormone
C) oxytocin     D) parathormone.

58. In crustaceans the structure that produce a hormone and influence the moulting process is
A) cerebral ganglion  B) carpora cardica
C) B-organ         D) Y-organ.

59. Polyurea, polyphagia and polydipsia are the symptoms of
A) diabetes    B) gigantism
C) myxoedema  D) tetany.

60. When the bacterial cells divide in one plane and remain attached to form a linear chain of cells, it is called
A) diplococcus  B) streptococcus
C) straphylococcus D) tetracoccus.
61. Trophozoite of plasmodium lives in
   A) Red blood corpuscle
   B) Liver cell
   C) Gut of anopheles
   D) Salivary gland of anopheles.

62. Which of the following are the characteristic cells of sponges?
   A) Solenocytes
   B) Flame cells
   C) Nephrocytes
   D) Choanocytes.

63. In obelia gonotheca is the protective covering of
   A) Polyp
   B) Blastostyle
   C) Hydranth
   D) Medostyle

64. The larva of aurelia is
   A) Amphiblastula
   B) Planula
   C) Ephyra
   D) Parenchymula.
65. Choose the correct sequence of larval stages during the development of fasciola:

A) Miracidium, Redia, Sporocyst, Metacercaria and Cercaria
B) Sporocyst, Miracidium, Cercaria, Metacercaria and Redia
C) Miracidium, Sporocyst, Redia, Cercaria and Metacercaria
D) Redia, Cercaria, Metacercaria, Sporocyst and Miracidium.

66. Neries belong to the class

A) Polychaeta
B) Oligochaeta
C) Hirudinea
D) Archiannelida.

67. The excretory organs of prawn are

A) coxal glands
B) green glands
C) malpighian tubules
D) protonephridia.

68. The six pairs of appendages that are present in scorpion include

A) 1 pair of chelicerae, 1 pair of pedipalpi and 4 pairs of walking legs
B) 1 pair of chelicerae, 2 pairs of pedipalpi and 3 pairs of walking legs
C) 2 pairs of chelicerae, 2 pairs of pedipalpi and 2 pairs of walking legs
D) 2 pairs of chelicerae, 1 pair of pedipalpi and 3 pairs of walking legs.
69. In pila, testing the physical and chemical qualities of entering water is done by
A) organs of Botanus  B) Pulmonary sac
C) Osphradium  D) Crystalline style.

70. In the water vascular system of starfish, the stone canal connects
A) ring canal and polian vesicle  B) ring canal and lateral canal
C) madreporite and ring canal  D) madreporite and lateral canal.

71. Secretion of antiviral proteins namely interferons is a good example for
A) anatomical barrier  B) physiological barrier
C) phagocytic barrier  D) inflammatory barrier.
72. Hassall's corpuscles are seen in
A) spleen
C) thymus
B) lymph nodes
D) bursa of fabricius.

73. Fungal infection in mouth and throat of an AIDS patient is known as
A) Candidiasis
C) Meningitis
B) Herpes zoster
D) Kaposi sarcoma.

74. The pathogen that causes plague is
A) Neisseria gonorrhoea
C) Salmonella
B) Yersinia pestis
D) Variola.

75. Cytotoxic lymphocytes, a subgroup of T-cells play vital role in
A) humoral immunity
C) antibody mediated immunity
B) innate immunity
D) cell mediated immunity.

76. Pellagra, a dreadful disease occurs due to the absence of
A) cyanocobalamin
C) thiamine
B) pyridoxine
D) nicotinic acid.

B) vitamin C
A) vitamin B
D) vitamin D
77. The main function of enterokinase is the conversion of
A) casein into paracasein  B) pepsinogen into pepsin
C) trypsinogen into trypsin  D) prothrombin into thrombin.

78. The respiratory pigment which contains copper within it is
A) Haemoglobin  B) Haemocyanin
C) Haemerythrin  D) Chlorocruorin.
82. *Chanos chanos* is also known as

A) Milk fish  
B) Troutfish  
C) Indian carp  
D) Catfish.

83. An example for best domesticated honeybee in India is

A) *Apis dorsata*  
B) *Apis indica*  
C) *Apis florea*  
D) *Apis mellifera*.

84. The number of ocelli present in the head of honeybee is

A) one  
B) two  
C) three  
D) four.

85. The pattern of dances exhibited by the foraging bees are

A) round and wag-tail dance  
B) spiral and round dance  
C) elliptical and spiral dance  
D) wag-tail and flippering dance.

86. Commercial silk is secreted by the silk glands of

A) larvae  
B) pupae  
C) imago  
D) adults.
87. Rough and strong silk locally known as Arandi silk, is obtained from
A) Mulberry silkworm  B) Eri silkworm
C) Giant silkworm    D) Oak silkworm.

88. The Central Silk Research Institute is located in
A) Bangalore     B) Mysore
C) Hyderabad     D) Shimla.

89. Rathke's pouch is associated with the formation of
A) adenohypophysis B) neurohypophysis
C) adrenal cortex   D) adrenal medulla.

90. Among the secretions of adenohypophysis, the only hormone which cannot be
considered as a trophic hormone is
A) gonadotropin     B) adrenocorticotropic
C) somatotropin     D) thyrotropin.

1. Nuclei were first discovered and named by
A) Camilo Golgi  B) Robert Brown
C) Benda        D) Porter.
92. Pairing of homologous chromosomes namely SYNAPSIS takes place during
   A) Leptotene   B) Zygotene
   C) Pachytene   D) Diplotene.

93. The type of chromatography used for the separation of immunoglobins, cellular enzymes and mRNA is
   A) ion-exchange chromatography   B) affinity chromatography
   C) gel-penetration chromatography  D) gas chromatography.

94. The number of heterozygous green, round produced in the F_2 generation of a dihybrid cross between round yellow and wrinkled green is
   A) one  B) two
   C) three  D) four.

95. In the complementary genes, the F_2 ratio 9:3:3:1 would become
   A) 12:3:1  B) 9:3:4
   C) 10:6  D) 9:7.
96. The disease caused due to the incompatibility of Rh-factor is
A) sickle-cell anemia
B) polycythemia
C) erythroblastosis foetalis
D) leukemia.

97. Among the three structural genes, the gene Z codes for which enzyme?
A) β-galactosidase
B) Galactoside permease
C) Thiogalactoside acetylase
D) Adenyl cyclase.

98. Loss of two chromosomes from the normal condition of chromosomes is generally referred to as
A) Monosomy
B) Nullisomy
C) Trisomy
D) Tetrasomy.

99. When a purine base of a triplet codon is substituted by another purine base, it is called
A) Deletion
B) Insertion
C) Transition
D) Transversion.
100. The special form of inbreeding utilised for the purpose of maintaining a high genetic relationship to a desirable ancestor is called
   A) Panmixis
   B) Random mixing
   C) Assortive mating
   D) Line breeding.

101. Which of the following larvae occurs in the class holothuroidae?
   A) Bipinnaria
   B) Ophiopluteus
   C) Doliolaria
   D) Auricularia.

102. Notochord is present only in the larval tail of
   A) Hemichordates
   B) Cephalochordates
   C) Urochordates
   D) Agnatha.

103. The ninth cranial nerve of scoliodon is known as
   A) trigeminal
   B) glossopharyngeal
   C) abducens
   D) trocheal.
104. In petromyxon, water of pharynx is prevented from entering the buccal cavity by

A) Endostyle  
B) Typhlosole  
C) Spiral valve  
D) Velum.

105. Sinus venosus of frog is formed by the union of

A) one precaval and one postcaval veins  
B) two precaval and two postcaval veins  
C) one precaval and two postcaval veins  
D) two precaval and one postcaval veins.

106. In a case of parental care, the female toad lays eggs and the male toad entangles them around his hindlegs. This occurs in

A) Alytes  
B) Rhacophorus  
C) Amphituma  
D) Ichthyophis.
107. In the circulatory system of garden lizard innominate, subclavian, vertebral and oesophageal are the branches of

A) Pulmonary arch  
B) Systemic arch  
C) Dorsal aorta  
D) Ventral aorta.

108. Which of the following is a non-poisonous snake?

A) Krait  
B) Viper  
C) Coral snake  
D) Python.

109. The single, median air-sac that is present in pigeon is

A) Interclavicular  
B) Cervical  
C) Anterior thoracic  
D) Posterior thoracic.

110. The type of palate in Ostrich is

A) Aegithognathus  
B) Desmognathus  
C) Schizognathus  
D) Palaeognathus.
111. Classroom Interaction analysis is advocated by
   A) Maslow
   B) Crowder
   C) Flanders
   D) Gagne.

112. The purpose of a diagnostic test is
   A) to find out the general achievement of a class
   B) to find out the average score of a class
   C) to find out the difficult area of a low achiever
   D) to find out the practical skill of a student.

113. A 'Lesson plan' is the plan prepared by a teacher
   A) for one week lessons
   B) for only one period lesson
   C) for one year
   D) for a particular unit.

114. In the arranged tabulated scores the 'mode' is
   A) $3 \times \text{median} - 2 \times \text{mean}$
   B) $\frac{3N}{4}$
   C) $\frac{\sum f \times x}{N}$
   D) $\frac{Q_3 - Q_1}{2}$

115. "The Ministry of Human Resource Development" was created on
   A) 1st January, 1985
   B) 26th September, 1985
   C) 1st September, 1992
   D) 26th September, 1961.
116. As per "Guilford's structure of Intellect", the number of intellectual components is

A) 150  
B) 180  
C) 60  
D) 100.

117. The 'I.Q.' (Intelligence Quotient) of a gifted child will be

A) 100  
B) above 100  
C) below 100  
D) above 200.

118. The 'eclectic counselling method' was introduced by

A) Carl Rogers  
B) Hoyt  
C) J. Jones  
D) F. C. Thorne.

119. The term 'curriculum' means

A) the field covered by a particular course of study  
B) the courses prescribed for an examination  
C) the sum of all experiences provided for students by an educational institution  
D) the contents of a subject selected for a class.

"செரிங்கப்படுத்தல்" - தலை
A) குறுக்கிலிப் பொருளகர் குறுக்கிலிப் பொருளகர்  
B) குறுக்கிலிப் பொருளகர் குறுக்கிலிப் பொருளகர்  
C) குறுக்கிலிப் பொருளகர் தெரிச.awardlist தெரிச.awardlist  
D) குறுக்கிலிப் பொருளகர் தெரிச.awardlist தெரிச.awardlist.
120. In micro-teaching, the micro-lesson will be taken for
   A) 15 min — 20 min  B) 5 min — 10 min
   C) 60 min       D) 30 min — 45 min.

   சுருங்கத்தை குறிப்பிட்டும் மின்றோன், விளக்க பாதுகாப்பு செய்யப்பட்டு செய்ய வேண்டும்.
   A) 15 விளக்க 20 நேரடி  B) 5 விளக்க 10 நேரடி
   C) 60 நேரடி      D) 30 விளக்க 45 நேரடி

121. Which of the following was established in 1961?
   A) NCERT   B) DTERT   C) DIET   D) SCERT.

   குறிப்பிட்டியவண்டியில் வெறும் 1961-ஆம் ஆண்டு என்ன வைப்புக்கும்?
   A) கத்தூர் கல்லூரி அருங்காட்சியகம் மற்றும் மற்றிய வலுவாக (NCERT)
   B) அரசியல் கல்லூரி அருங்காட்சியகம் மற்றும் மற்றிய வலுவாக (DTERT)
   C) என்னும் கல்லூரி அருங்காட்சியகம் மற்றும் மற்றிய வலுவாக (DIET)
   D) கெயில் கல்லூரியாள் அருங்காட்சியகம் மற்றும் மற்றிய வலுவாக (SCERT).

122. The 'Grants' for universities and colleges will be sanctioned by
   A) NAAC   B) NCERT   C) UGC   D) NCTE.

   பல்கலைக்கழகங்கள் குழு சட்டவைகள் குழுவின் வலுவாகத்துக்கும் "வருங்காட்சி விளக்கம்"—பின்னர் வழங்கப்படும் வலுவாக
   A) கத்தூர் மற்றும் கல்லூரியாள் வழங்கப்பட்டு வலுவாக (NAAC)
   B) கூட்டு இடையின் அருங்காட்சியகம் மற்றும் மற்றிய வலுவாக (NCERT)
   C) பல்கலைக்கழகம் வழங்கப்படும் (UGC)
   D) கெயில் அருங்காட்சி வழங்கப்படும் (NCTE).

123. Family planning was accepted as a 'National Policy' during
   A) First Five-Year Plan   B) Third Five-Year Plan
   C) Sixth Five-Year Plan  D) Eighth Five-Year Plan.

   குடியரிசு பல்கலைக்கழகம் குழு „பல்கலைக் குழுவுடன்“—குடியரிசு நாணயச்சாரங்காரன் குழு
   A) தோள் தோள் கொண்ட குழுவுடனும்
   B) பல்கலைக்கழகம் சிற்றகாத்து
   C) ஒய்யூல் மற்றும் குழுவுடனும்
   D) பல்கலைக்கழகம் சிற்றகாத்து.

124. “The National Rural Employment Guarantee Scheme” promises work for rural adult for the period of
   A) 30 days   B) 60 days
   C) 100 days  D) 150 days.
125. "Learning by Doing" method was advocated by
A) Bertrand Russell  B) John Dewey
C) Maria Montessori  D) Rabindranath Tagore.

126. The 'Water Act' (Prevention and Control of Pollution) was passed by the Indian Parliament in the year
A) 1981  B) 1971

127. The Montessori schools insist on
A) the principle of sense training
B) creativeness, the main objectives of education
C) complete discipline and supervision
D) proper buildings in schools.

128. Sri Aurobindo International University Centre was inaugurated in the year
A) 1969  B) 1962
C) 1952  D) 1955.
129. An educator called as “Father of the Kindergarten” is
A) Rousseau  B) J. Krishnamoorthy
C) Froebel  D) A. S. Neill.

130. Aptitude is defined as a person’s
A) Personality B) Interest
C) Potential ability D) Attention.

131. The Open University which came into existence in 1985 is
A) Tamil Nadu Open University
B) Indira Gandhi National Open University (IGNOU)
C) Nalanda Open University
D) Dr. B. R. Ambedkar Open University.

132. Elementary school level should be
A) child centred  B) curriculum centred
C) subject centred  D) teacher centred.

133. Kothari Education Commission’s report was entitled as
A) Education and National Development
B) Diversification of Education
C) Education and Socialisation in Democracy
D) Peace Education.
134. Vocationalisation of Education has the object of
A) preparing students for a vocation along with knowledge
B) giving more importance to vocational education than general education
C) converting liberal education into vocational education
D) creating an educational bias among vocational people.

135. "National Talent Search Examination" is conducted for
A) Physically handicapped children  B) Gifted children
C) Slow learners  D) Tribal children.

136. As per Piaget's stages of cognitive development, the age of children at pre-operational stage is
A) above 11 years  B) 0 – 2 years
C) 2 years — 7 years  D) 7 years — 11 years.
137. In “Maslow’s theory of Hierarchical needs”, the needs are classified into
   A) 5 stages  B) 7 stages  C) 10 stages  D) 8 stages.

138. The theory of learning associated with “Operant Conditioning” was propounded by
   A) Thorndike  B) Pavlov  C) B. F. Skinner  D) Socrates.

139. In the learning efficiency curve obtained by Thorndike’s experimental test, ‘the learning’
   A) increases with time throughout the period
   B) decreases with time throughout the period
   C) increases with time and then decreases suddenly
   D) increases for some time, remains constant for some time, then increases to maximum and then decreases.

140. As per the “Forgetting theory of Ebbinghaus’ experiment”, the student’s ability to recall the learnt subject after a week will be
   A) 62%  B) 45%  C) 35%  D) 20%.

C
141. How many years was Nelson Mandela imprisoned by the British?
A) 23 years  
B) 24 years  
C) 25 years  
D) 27 years.

142. When was Assam High Court renamed as Guwahati High Court?
A) 1970  
B) 1971  
C) 1980  
D) 1981.

143. Confucius was a great Philosopher of ancient
A) India  
B) China  
C) Africa  
D) Egypt.

144. Doppler effect is related with
A) light  
B) sound  
C) current  
D) magnetic field.

145. Animals with both sex organs are called as
A) Hermaphrodites  
B) Amphibia  
C) Reptilia  
D) Mammals.

146. When and where was the song "Jana Gana Mana" first sung in Indian National Congress session?
A) 27. 11. 1911 at Calcutta  
B) 27. 12. 1911 at Madras  
C) 27. 12. 1990 at Bombay  
D) 27. 12. 1911 at Delhi.
147. Where is Atacama desert situated?
A) New York          B) Chicago
C) Alaska            D) Chile.

148. Who was the author of the book 'Mein Kampf'?
A) Aristotle         B) Bon Ton
C) Hitler            D) Rousseau.

149. At constant temperature, the pressure of the given mass of gas is ............... proportional to its volume.
A) inversely         B) directly
C) equally           D) not equally.

150. The book 'Nanmanikkadigal' was written by
A) Seethalaichathanar  B) Kakkaipadinlar
C) Villambinaganar    D) Thiruvalluvar.