

**PADASALAI'S**  
**SCIENCE – BIOLOGY ( 1 MARKS TEST ) (2016-17 )**

Class: X STD                      Subject: SCIENCE -(BIO)                      Marks: 75                      Time: 2hrs

**I. Choose and write the correct answer                      (50 X 1 = 50)**

1. Mendel focussed on the garden pea plants as Pod colour  
(Green/purple, Yellow/blue, Green/red , Green / Yellow)
2. Mendel termed those tall and dwarf plants as \_\_\_\_\_  
(Domestic types ,wild types ,genotypes ,phenotypes)
3. Height of the plant-Tall/Dwarf is called \_\_\_\_\_  
(Phenotype ,Genotype , Monohybrid Cross , all)
4. The alternate forms of the same gene are called \_\_\_\_\_  
(alleles , allelomorph ,dominant ,trait)
5. \_\_\_\_\_ variation leads to speciation and evolution  
(Intra specific , Somatic , Germinal, Inter specific)
6. \_\_\_\_\_ quotes the example of the development of the long neck of the giraffe.  
( Mendel, Lamarck, Darwin , Jenner)
7. \_\_\_\_\_ are bio-catalysts that speed up reaction in cells  
(Vitamins , Antibiotics , Vaccines , Enzymes)
8. \_\_\_\_\_ acid is used for the production of vinegar.  
(Ethanoic , Acetic , both , none )
9. \_\_\_\_\_ are now used in treatment of cancer.  
(Organic Acids , Vitamins , Monoclonal antibodies , Steroids)
10. The natural clones are formed through a natural process called \_\_\_\_\_  
(DNA replication , r-DNATechnology , RNA replication, Nif-genes)
11. One of the most fascinating branches in applied embryology is \_\_\_\_\_  
(DNA Technology , Genetic engineering , Cloning , stem cell culture)
12. During the cloning of Dolly, \_\_\_\_\_ cell taken from mammary gland of sheep  
(alpha , somatic , beta , all)

13. Infectious germs is otherwise called as \_\_\_\_\_  
(invitrofertilization, anaemia., pathogens , diploid nucleus)
14. Pollution in drinking water can be monitored by using \_\_\_\_\_  
(Bio-sensor:, Bio-Chips, both, none)
15. \_\_\_\_\_ can be used to treat defects in Somatic cells.  
(Cloning, fertilization ,Gene therapy ,all)
- 16 .In \_\_\_\_\_ therapy, egg and sperm of the parents are changed to the next generation. (Somatic gene , Germ line gene , alleles. Magnetic)
17. \_\_\_\_\_ is derived from amyloproteins of bacteria  
( zymase, invertase, glucose, amylase)
18. Embryonic stem cells can be extracted from early embryo which is developed by  
(invitro fertilization, post fertilization, bacterio fertilization, cloning)
19. \_\_\_\_\_ act as antigens and stimulate the body to manufacture antibodies.  
( Antibiotics , Organic Acids , Vitamins , Vaccines)
20. Monoclonal antibodies are produced from cloned cells by \_\_\_\_\_ technology.  
( DNA , Bio, Cloning , hybridoma)
21. He is free from interpersonal conflicts and will never quarrel with others  
(Physical dimension, Mental dimension, Social dimension)
22. \_\_\_\_\_ and Louis Pasteur were the first to establish the Germ Theory of Diseases
23. Destruction of RBC is symptom of (Haemorrhage, Pernicious anaemia, Pellagra)
24. Taeniasis is a disease by \_\_\_\_\_ (Parasitic macro-organisms, Parasitic Microorganism)
25. A dreadful disease spread worldwide (pandemic) in the year (1990, 1980,1970)
26. CD4 plus T-helper cells is otherwise called as \_\_\_\_\_
27. MMR Vaccine as first dose in the age (18-24months, 9-12 months, 15months-2years)
28. Breast milk protects the child against bacteria like  
(Shigella, Staphylococci, Pneumococci, all)
29. Through the \_\_\_\_\_, the germs are transferred from the infected mother to the child during pregnancy.

30. Four different species of Plasmodium namely, P.vivax, P.malariae, P.falciparum ,P.ovale exist in\_\_\_and cause malaria.(Russia,china,USA,India)
31. \_\_\_ cells are the supporting cells of neurons  
(Specialized cells , Neuroglial cells ,both , Axon )
32. The outermost layer of Schwann cells is called \_\_\_\_\_  
(Neurilemma., Nodes of Ranvier, nerve fibres, dendrites )
33. Nissle's granules are a group of ribosomes for \_\_\_\_\_  
synthesis. (Carbohydrates, Fats, Protein, All)
34. The dorsal portion of the midbrain consists of four hemispherical bodies called(cerebro fluid,corpora quadrigemina, corpus callosum)
35. Less production of \_\_\_ results in diabetes insipidus, leading to excess production of dilute urine.( TSH, ACTH , FSH, ADH )
36. \_\_\_ is also called as personality hormone  
(Oxytocin, Vasopressin , thyroxine, Leptotene )
37. \_\_\_produces an anti-inflammatory reaction ,suppresses the immune response (Adrenal cortex, Aldosterone, Cortisone, Adrenal medulla)
38. The point of contact between the homologous pair of chromosomes is called \_\_\_(Synapsis,Chiasmata, terminalization,All)
39. \_\_\_ gland secretes melatonin hormone  
(Adrenal , Parathyroid, Thymus, Pineal)
- 40.Symptoms like stunted growth, retarded mental development, defective teeth, protrusion of tongue and loose skin belongs to\_\_\_  
(Hyperthyroidism, simple goitre, myxoedema ,cretinism)
41. Conversion of milk into curd by (Mycobacterium , Salmonella ,Lactobacilli)
42. \_\_\_ fossil records show that the first formed organism in the Earth is a Bacterium, (American, South African,Indian)
43. \_\_\_are uni nucleate,non-motile, asexual spores produced by the fungus  
( Akinetes, Aplanospores,Conidia)
44. A female sheep called as \_\_\_alone cannot produce lambs (ram,ewe,pran)

45. The seeds are less in number during\_\_ (Self pollination,Cross pollination,both)
46. The ovary wall becomes the fruit wall also called as (endocarp.mesocarp,pericarp)
- 47.\_\_ is further classified into berry, hesperidium, pome and pepo  
(Baccate, Drupaceous, none)
48. \_\_\_\_\_fruits split open at maturity to disperse the seeds.  
(dry dehiscent, dry indehiscent, schizocarpic)
49. Tridax is an example for (Achene, Caryopsis, Cypsela)
50. Darwin found that almost three-quarters of the seeds studied could tolerate salt water for atleast \_\_\_\_ (26 days,27days,28 days)
51. Beaver, platypus, otter is in \_(Plains and forests, Fresh water bodies, Oceans)
52. Bacteria that have cellulose-splitting enzymes also called as \_\_\_\_
53. \_\_\_\_ have a huge four-chambered stomach that functions as storage and fermentation vats( buffaloes, antelopes, deer, all)
- 54.Harvey discovered the circulation of blood in man in (1628,1826,1626)
55. Arterioles branch into fine tubes called \_\_\_\_arterioles (alpha.meta,beta)
- 56.\_\_\_\_\_ are concerned with blood clotting to prevent blood loss  
(Erythrocytes, Leucocytes, Thrombocytes)
57. The binding or attachment between the parents and the offspring is  
Called \_\_\_\_ (imprinting , courtship signaling, filial imprinting)
58. The collecting ducts open on the renal pyramids as\_\_\_\_  
(Henle's loop,renal papillae, Bowman's capsule)
59. \_\_\_\_ are involved in phagocytosis (RBC,WBC, Blood Platelets)
60. \_\_\_\_for water balance (globulin, fibrinogen, albumin)
61. \_\_\_\_cells do not contain chloroplasts (Bacterial , Fungal, all)
62.  $C_6H_{12}O_6+6O_2 \rightarrow 6CO_2+6H_2O+ \text{___KJ energy}$  (1900,2900,3900)

63. \_\_\_ tubes are one of the constituents of the phloem which act as the pipe-line from the leaves
64. Waste products may be stored in \_\_\_ of plants (stem ,leaves,roots)
65. In a healthy adult, the initial filtrate in the kidneys is about \_\_\_ L daily (160,170,180)
66. Paper on recycling , we get \_\_\_ as recovery ( 34% ,44%, 54%)
67. \_\_\_ preserves natural water storage and acts as aquifer recharge zones. (Wetland Conservation, Domestic Conservation, Industrial Conservation)
68. Bonnet macaque animal is in the district of \_\_\_ (Tirunelveli,Nagapattinam,Virudhunagar)
69. Theri Kaadu Mukuperi, is in the district of \_\_\_ (Cuddalore,Thoothukudi, Nilgris)
70. The \_\_\_and grasslands of the Western Ghats are the sources of all our South Indian rivers (pandyas, cholas, Sholas, cheras)
71. A large quantity of water is present in an area of about \_\_\_ million km<sup>3</sup> in the entire globe. (1200,1300, 1400)
72. \_\_\_is permitted to be used for watering plants (black water, Grey water,none)
73. CFL bulbs will save on an average up to \_\_\_megawatts of electricity each year. (4000, 6000, 8000)
74. The largest wind energy farm has been established near Kanyakumari in Tamilnadu and it generates \_\_\_MW of electricity. (180 ,280 , 380)
75. \_\_\_\_\_ is a major source of electricity generation through the use of gas turbines and steam turbines (sulphur, CO<sub>2</sub>, Natural gas)

**PREPARED FOR THE BETTERMENT OF ALL CHILDREN**

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