

## BT401 MID & FINAL TERM MCQS & QUIZ SOLVED

### MIDTERM MCQS SOLVED

1. Genetic resources are sometimes called \_\_\_\_\_ **first resource**
2. Landraces is a \_\_\_\_\_ **local variety of domesticated plants**
3. Which is called rosewood \_\_\_\_\_ **dalbergiaSissoo**
4. Total area under legume crop in Pakistan \_\_\_\_\_ **1.5m hectares**
5. Which one is extinct features of species \_\_\_\_\_ **white rhino**
6. Total remaining snow leopard in Pakistan \_\_\_\_\_ **200**
7. GSPC program founded in \_\_\_\_\_ **1999**
8. Microorganisms produces in \_\_\_\_\_ **Antibodies**
9. According to world database on protected area there are over \_\_\_\_\_ **protected areas around the world. 210,000**
10. Rhino are hunted for \_\_\_\_\_ **horns**
11. Natural selection will always result in the \_\_\_\_\_ that gives an advantage to its possessor **selection of allele**
12. Cryopreservation in liquid nitrogen \_\_\_\_\_ **at -196 degree**
13. How many categories of gene flow \_\_\_\_\_ **2**
14. Breeding type that is not released to half sister brother and cousins \_\_\_\_\_ **close breeding**
15. The strongest effect of genetic drift on \_\_\_\_\_ **small population**
16. Themes of genetic resources \_\_\_\_\_ **2**
17. Himalayan brown bear \_\_\_\_\_ **150-200**
18. Pakistan in kinow production \_\_\_\_\_ **6<sup>th</sup> number**
19. Tigers of migration \_\_\_\_\_ **all**
20. Gene flow blocked by physical barriers \_\_\_\_\_ **allopatric speciation**
21. Plant genetic resources are the building blocks and fundamental not only in \_\_\_\_\_ but also for the very survival of the species in time and space **crop improvement program**
22. Biologist suspect we're living through the \_\_\_\_\_ mass extinction **sixth major**
23. Honey bee pollinates how much plants \_\_\_\_\_ **250,000 species of plants**
24. \_\_\_\_\_ is a pioneer species easily regenerated from seed. **Acacia nilotica**
25. Sheep was domesticated by humans in \_\_\_\_\_ **10,000BC**
26. Phenylketonuria caused by \_\_\_\_\_ **mutation**
27. Allele frequency affected by \_\_\_\_\_ such as mountain \*gene flow \*inbreeding\* natural selection\* founder effect?\* random genetic drift **evolutionary mechanism**
28. Population bottleneck in 1890s due to \_\_\_\_\_ **overhunting**

29. Reason for crustaceans migration? \_\_\_\_\_ for breeding
30. Sterculia khasiana was endemic tree of Khasi Hills in Meghalaya in India
31. Which involves storage in high and low temperature \_\_\_\_\_ cold storage
32. Which of the following is the earliest modern protected area? \_\_\_\_\_ yellow stones national park
33. Bees are responsible for pollinations \_\_\_\_\_ 250,000 species
34. Mild form of breeding \_\_\_\_\_ line breeding.
35. Migration involves following type of hazards, \_\_\_\_\_ 2 type natural hazards, anthropogenic hazards to migration).
36. Type of inbreeding \_\_\_\_\_ 3 1-close inbreeding, 2-mild breeding, 3-line breeding
37. Gene bank is a type of \_\_\_\_\_ ex-situ conservation
38. Area of greatest genetic diversity are protected from human interface are known as \_\_\_\_\_ gene sanctuary
39. Animals genetic resource referred as \_\_\_\_\_ all given options
40. PGRA stands for \_\_\_\_\_ plant genetic resource for food and agriculture
41. NCCP stands for \_\_\_\_\_ national culture collection of Pakistan
42. Conservation of plant genetic resource is necessary for \_\_\_\_\_ food security and agro biodiversity Both A&B
43. Peste de petites ruminants also known as \_\_\_\_\_ sheep and goat plague
44. According to FAO species of mollusk are 85000.
45. GSPC was founded in \_\_\_\_\_ 1999)
46. which disease spread due to consuming mercury poisoned fishes by people \_\_\_\_\_ MINAMATA
47. Longest migration was observed in \_\_\_\_\_ arctic tern bird
48. Cryopreservation can be done \_\_\_\_\_ -196c.
49. Calypha belongs to family \_\_\_\_\_ spurge family euphorbaceae / spurge family
50. Cause behind extinction of steller sea cow \_\_\_\_\_ hunting
51. Rhino were hunt for \_\_\_\_\_ horns
52. Darwin finches is example of \_\_\_\_\_ adaptive radiation
53. Result of environment and human change \_\_\_\_\_ bottleneck effect
54. Types of breeding \_\_\_\_\_ 3
55. Genetic diversity is the variation of individual \_\_\_\_\_ amount of genetic information
56. Example of extinct species \_\_\_\_\_
57. Population of Himalayan bear \_\_\_\_\_ 150-200 in Pakistan
58. Which species is easily regenerated \_\_\_\_\_ acacia nilotica
59. Sigillaria was a tree \_\_\_\_\_ spore bearing
60. The tecopa pupfish was native to the \_\_\_\_\_ mojave desert
61. Extinction rate of mammals \_\_\_\_\_ 20%
62. Wild bees are the part of \_\_\_\_\_ great migration
63. Which of the following approach can be taken to analyze GxE interaction \_\_\_\_\_ polygenic



64. Northern areas of Pakistan serving as \_\_\_\_\_ habitat
  65. Longest migration was observed in \_\_\_\_\_ arctic term bird
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  81. Which of the following approach can be taken to analyze GxE interaction \_\_\_\_\_ polygenic
  82. Northern areas of Pakistan serving as \_\_\_\_\_ habitat
  83. Land race is known as \_\_\_\_\_ weed, mutant, cultivator, primitive
  84. Which is used to protect individuals in protected environment \_\_\_\_\_ in situ.
  85. Which is used large scale for food and agriculture \_\_\_\_\_ sheep.
  86. Phenyl ketonuria is generation caused by \_\_\_\_\_ mutant.
  87. Example of founder effect ? (hemophilia, dwarfism, infant death, \_\_\_\_\_ all
  88. Tigers of migration \_\_\_\_\_ 4
  89. PGR are components of \_\_\_\_\_.
  90. Genetic resolution are sometimes called \_\_\_\_\_
  91. According to FAO species of mollusk \_\_\_\_\_ 85000
  92. Which hazard of migration \_\_\_\_\_ all
  93. Plant genetic resource are building and fundamental not only in.....but also for the very survival of species in time and space, \_\_\_\_\_ crop improvement program
  94. Which is example of in situ - A, national park, biosphere, gene bank. all
  95. \_\_\_\_\_ is known as indian rosewood. DalbergiaSisoo
  96. Pakistan is the \_\_\_\_\_ largest producer of kinow oranges 6<sup>th</sup>
  97. ABSA stands for access and benefit sharing agreement.
  98. In 19<sup>th</sup> century only elephant seales were present \_\_\_\_\_ 20
- 
1. Reef are home to \_\_\_\_\_ % marine animals \_\_\_\_\_ 25
  2. Gene pool types \_\_\_\_\_ 3
  3. Crow follow migration, \_\_\_\_\_ daily
  4. Dwarf lake iris appearance \_\_\_\_\_ deep blue
  5. Cooling proces in which water of tissue become glass of crystal vetrification
  6. Cryopreservation is applicable to fishery medical animal-husbandry \_\_\_\_\_ all
  7. Cause of extinction climate change hunting population \_\_\_\_\_ all

8. Yellow stone national park designed \_\_\_\_ 1872
9. Sea cow hunted \_\_\_\_\_ to extinction 1768
10. Extinct plant fill cultivated in capacity is \_\_\_\_\_ cynea superba
11. Breeding line have \_\_\_\_\_ narrow genetic base
12. Cause of extinction \_\_\_\_\_ climate change hunting, pollution all
13. Honey bee pollinates plants \_\_\_\_\_ 250000
14. Cryopreservation id one in low temperature and deep at freezing \_\_\_\_  
-80degree
15. Species in danger extinction are \_\_\_\_\_ endangered
16. Transfer of gene from parent to offspring \_\_\_\_\_ Vertical transfer of gene
17. How many animal species in danger \_\_\_\_\_ 20,000 not confirm
18. For which purpose the crustacean can migrate \_\_\_\_\_ mating
19. Microorganisms are \_\_\_\_ diversity than other living organisms highest
20. Wildebeest are the part of \_\_\_\_\_ migration
21. Variation in genetic information of with in of same individual of population  
\_\_\_\_\_ genetic diversity
22. Allele frequency is affected by \_\_\_\_\_ all given
23. Population bottleneck in 1890s due to \_\_\_\_\_ overhunting
24. GWIS stand for \_\_\_\_\_ A genome wide interaction scan
25. Phenyle- alkaptonuria is the genetic disease caused by \_\_\_\_\_ mutation
26. \_\_\_\_\_ is a local variety of domesticated plant species Landrace
27. Sea cow hunted to extinction in ----- 1768
28. Animal closely related to ----- close breeding
29. Dart poison frog have compound \_\_\_\_\_ alkaloid
30. Genetic resources are sometimes called \_\_\_\_\_ first resource
31. Landraces is a \_\_\_\_\_ local variety of domesticated plants
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protected areas around the world.
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50. Plant genetic resources are the building blocks and fundamental not only in crop improvement program, but also for the very survival of the species in time and space
51. Biologist suspect we're living through the sixth major mass extinction
52. Honey bee pollinates how much plants \_\_\_\_\_ 250,000 species of plants
53. *Acacia nilotica* is a pioneer species easily regenerated from seed.
54. Sheep was domesticated by humans \_\_\_\_\_ 10,000BC
55. Phenyl alketonuria caused by \_\_\_\_\_ mutation
56. Allele frequency is effected by evolutionary mechanism such as (mutation\*gene flow\_in -breeding, natural selection, founder effect, random genetic drift).
57. Population bottleneck in 1980 due to \_\_\_\_\_ over hunting
58. Reason for crustacean migration \_\_\_\_\_ for breeding
59. *Sterculia khasiana* was endemic of tree \_\_\_\_\_ khasi hills in Meghalaya India
60. Which involves storage low and non freezing temperature \_\_\_\_\_ cold storage
61. Migration involves five types of hazards \_\_\_\_\_ 2type national hazards, anthropogenic hazards to migrants
62. Type of inbreeding \_\_\_\_\_ 3type 1.close inbreeding, 2.mild breeding, in line breeding)
63. Gene bank is type of \_\_\_\_\_ ex situ conservation
64. Area of great genetic diversity are protected from human interference are known as \_\_\_\_\_ gene sanctuary
65. Animal genetic resources reffered as \_\_\_\_\_ all given options
66. PGRFA stands for \_\_\_\_\_ plant genetic resource for food and agriculture
67. NCCP stand for \_\_\_\_\_ national culture collection for Pakistan
68. Conservation of plant genetic resource is necessary for \_\_\_\_\_ food scrunity and Agro-biodiversity \_ both A&B
69. Peste de petis ruminants also known as \_\_\_\_\_ sheep & goat plague
70. According FAO species mollusk are \_\_\_\_\_ 85000
71. Which disease is spread due to consuming mercury poisoned fishes by people \_\_\_\_\_ MNAMATA
72. The earliest modern protected area \_\_\_\_\_ yellow stone national park
73. Longest migration was observed in \_\_\_\_\_ artic term bird
74. Cryopreservation can be done \_\_\_\_\_ -196c
75. *Calypha* belongs to family \_\_\_\_\_ spurge family euphorbaceae
76. Cause behind extinction of steller sea cow \_\_\_\_\_ hunting
77. Darwin finchis is example of \_\_\_\_\_ adaptive radiation
78. Result of environmental human change \_\_\_\_\_ bottleneck effect
79. Genetic diversity is the variation of individual in the amount of genetic information

80. Which species easily generated \_\_\_\_\_ **acacia nilotica**
81. Sigillaria is a tree \_\_\_\_\_ **spore bearing**
82. Thetecopa pupfish is native to the \_\_\_\_\_ **Mojava Desert**
83. Extinction rate of mammals \_\_\_\_\_ **20%**
84. Wild beast are the part of \_\_\_\_\_ **great migration**
85. Which of the following approach can be taken to analyze GxE interaction  
**polygenic**
86. Northern areas of Pakistan are serving \_\_\_\_\_ **habitat**
87. Reef provide habitat to marine life \_\_\_\_\_ **25%**
88. Land race is known as \_\_\_\_\_ **cultivar.**
89. Which used to protect individual in protected environment \_\_\_\_\_ **in situ conservation**
90. Which is used as large scale for food and agriculture \_\_\_\_\_ **sheep**
91. Phenyl ketonuria is genetic condition caused by \_\_\_\_\_ **mutant**
92. Which has strong genetic drift \_\_\_\_\_ **large, small, average, all**
93. Example of founder effect **hemophilia, dwarfism, infant death, all**
94. Tigers of migration \_\_\_\_\_ **local climate, local availability of food, season of the year, formatting reasons. 4**
95. Which of the following is used to protect at suitable environment **in situ**
96. Which is hazard of migration \_\_\_\_\_ **drought, food supply, all**
97. Natural selection shows ----- change in genome, **positive**
98. Biologist suspect we are living through \_\_\_\_\_ **major mass extinction, six**
1. Dart poison of frog yield compound like \_\_\_\_\_ **alkaloid**
2. Sigrilla was a tree \_\_\_\_\_ **spore bearing**
3. ....are from generation to generation of all living matter \_\_\_\_\_ **genes**
4. Which is example of in situ \_\_\_\_\_ **national park, biosphere, gene bank. all**
5. ABSA is stand for \_\_\_\_\_ **access and benefit sharing agreement by interfering**
6. Northern areas of Pakistan are serving as \_\_\_\_\_ **habitat**
7. In 19<sup>th</sup> century only elephant scales were present \_\_\_\_\_ **20**
8. Darwin finchis are classical example of \_\_\_\_\_ **adaptive radiation**
9. For which purpose crustacean migrate for ----- **breeding**
10. Reef provide habitat to \_\_\_\_\_ **marine life**
11. Gene pool types \_\_\_\_\_ **3**
12. Crow follow migration \_\_\_\_\_ **daily**
13. Dwarf lake iris appearance \_\_\_\_\_ **Deep Blue**
14. Cooling process in which water of tissue become glass instead of crystal  
**verification**



15. Cryopreservation is applicable to \_\_\_\_\_ fishery medical, animal husbandry. all
16. yellow stone national park is designed in \_\_\_\_\_ 1872
17. Causes of extinction \_\_\_\_\_ climate change, hunting, pollution, all
18. Sea cow hunted to extinction in \_\_\_\_\_ 1768
19. Extinct plant still cultivated in captivity is \_\_\_\_\_ Cyanea superba
20. Cryopreservation is done low temp and deep freezer at \_\_\_\_\_ - 80degree
21. Allele frequency is affected by \_\_\_\_\_ mutation gene flow breeding all
22. Breeding line have \_\_\_\_\_ narrow genetic base
23. Animal closely related in \_\_\_\_\_ close breeding
24. Transfer of gene from parent to off spring \_\_\_\_\_ vertical transfer of gene
25. Species in danger of extinction \_\_\_\_\_ endangered
26. GWIS stand for \_\_\_\_\_ a genome wide interaction scan
27. Microorganisms are \_\_\_\_\_ diversity than other living animals high
28. Variation in genetic information of with in same individual of population genetic diversity
29. How many animal species are in danger \_\_\_\_\_ 20,000
30. Phenyl alkatonuria is genetic disease caused by \_\_\_\_\_ mutation
31. \_\_\_\_\_ is local variety of domesticated plants species. landrace
32. Which of the following is result of productive isolation sympatric speciation
33. Which of the following population has strong gentec drift \_\_\_\_\_ small population
34. National strategy of PGRFA need t be review if ----- changes world
35. Main threat to large number of species ----- . Pollution
36. If the advantageous gene is removed then the effect is called \_\_\_\_\_ genetic drift
37. Microorganisms are \_\_\_\_\_ more diverse
38. Main reason behind meleda disease.
39. Natural selection effects on ecosystem.

40. Together with the components which fulfill agri-ecological functions genetic reason are grouped under the concept \_\_\_\_\_ **agro biodiversity**
41. PGR are components of.....which sustain the humankind \_\_\_\_\_ **biodiversity**
42. Genetic resource are heritable characteristics ... **of real potential benefit** A plant b animal c none ,d both a & b \_\_\_\_\_ **both a & b**
43. The degree of relationship is not closer half brother or sister mating or cousin mating a breeding b out breeding c pure breeding .d line breeding \_\_\_\_\_ **line breeding**
44. \_\_\_\_\_ is a keystone species , a grizzle bear b Pyrenean ibex c snow leopard d, sea mink **grizzle bear**
45. Cryopreservation occur a liquid nitrogen b freezing temperature c vapor nitrogen **All**
46. Derived genetic expect \_\_\_\_\_ **inbreeding**
47. .... Can not permeate the cell membrane such as \_\_\_\_\_ **sugar**
48. A membrane permeating b non membrane permeating c and b , d none **non membrane permeating membrane**
49. \_\_\_\_\_ rare treat for eye **hurt fem**
50. The introduction of genetic material by inter-breeding from one population of species to another is \_\_\_\_\_ **gene flow**
51. Which one of the following is the example artificial barriers **the great china wall, dams, barrages , All**
52. An individual can be protected in controlled environment is \_\_\_\_\_. **Ex situ conservation**
53. Wild best is an example of \_\_\_\_\_ **great migration**
54. Which one is the reason of bottleneck effect by \_\_\_\_\_ **mutation, gene flow, inbreeding, all of the above.**
55. Example of founder effect haemophilia , dwarfism, still birth, /infant birth **all of these**
56. Sheep was domesticated by human in \_\_\_\_\_ **10,000BC**
57. Which is easily regenerated from seed \_\_\_\_\_ **acacia nilotica**
58. Genes can be transferred sexually or asexually ----- **vertical transfer**



## BT401 QUIZ-1 SOLVED

1. Which disease was spread due to consuming mercury poisoned fishes by people -----, **Minamata disease**
2. NCCP stands for -----, **Natural cultural collection of Pakistan**
3. Genetic stock can be divided into ----- general groups. **3**
4. PGRFA stands for -----, **Plant genetic resource for food and agriculture**
5. GSPC was founded in -----, **1999**
6. Plant diversity is urgently & effectively conserved is an objective of **GSPC**
7. According to FAO species of mollusks are approximately -----, **85000**
8. Areas of great genetic diversity are protected from human interference are known as -----, **GENE Sanctuary**
9. Peste des petits ruminants also known as -----, **Sheep and goat plaque**
10. Gene bank is a type of -----, **Ex situ conservation**
11. Woody plants like trees have a ----- genetic diversity then vascular plants like grasses. **Higher**
12. Conservation of plant genetic resources is necessary for -----, **Food security and agrobiodiversity both A & B**
13. The lottery conducted in various countries for purposes of money making provides a good example of -----  
a) Uniform distribution b) normal distribution c) binomial distribution d) poisson distribution **not confirmed**
14. Animals genetic resources reffered as -----, **All**
15. In a binomial distribution formula of calculating standard deviation is -----  
a)  $\sqrt{p}$  b)  $\sqrt{pq}$  c)  $\sqrt{npq}$  d)  $\sqrt{np}$  **not confirmed**
16. In a normal distribution how much areas lies b/w  $\mu \pm \sigma$  is-----, **not confirmed**  
a) 65% b) 68% c) 75% d) 80%
17. What is the value of cumulative distribution function  $F(x)$  of  $x=3$   
a) 0.75 b) 0.45 c) 0.35 d) 0.65 **not confirmed**

## BT401 QUIZ -2 SOLVED

1. The main objective of category v is -----, **To main a balanced interaction of nature and culture**
2. Hingol national park was declared reserved in -----, **1988**
3. Which species has been introduced in Lal Suhanra national park -----  
**Black buck**
4. Some larger soil dwelling invertebrates such as earthworm ants and termites has been described as -----, **Ecosystem engineers**
5. Perhaps the most neglected group of all in research in farming practices and in polices and strategies for agriculture and biodiversity are the soil dwelling -----, **Invertebrates**
6. The useful of the specimen for PCR based assays is graeter than 4 years when stored at -----, **-80°C**
7. Tissue culture conservation is an alternative to -----, **Vegative propagation**
8. Which category areas areas are not necessary associated with human presence and intervention. **Category IV**
9. Considering the better studied mammals and birds 100% of the currently described species have been evaluated for their conservation statuses and out of these ----- out of 9990 birds species are considered to be endangered. **12%**
10. During tissue culture growth room temperature range from ----- depending on species requirements. **22-28 °C**



## BT401 FINAL TERM MCQS

1. Darwin finches classical example of \_\_\_\_\_ genetic drift
2. bottleneck effect elephant seal \_\_\_\_\_ over hunting
3. population has more chances of survival \_\_\_\_\_ large gene pool
4. .... services generally more efficient \_\_\_\_\_ decentralized quarantine
5. Since .... Insitu conservation has received high priority to the world \_\_\_\_\_ 1980
6. the cutting of tree act \_\_\_\_\_ 1992
7. Genetic stocks can be divided into \_\_\_\_\_ Cytological stocks, Mutant stocks, Germplasm set----- all
8. Genetic diversity is the variation of individuals in \_\_\_\_\_ Genes, Alleles, cells, -----both a & b
9. Northern areas of Pakistan are serving as \_\_\_\_\_ habitat for many species.
10. In 19th century only.....individuals of Elephant whales were present \_\_\_\_\_ 20
11. wildebeest are the part of \_\_\_\_\_ sardine run migration
12. Largest migration was observed in \_\_\_\_\_ Artic term bird
13. Species that are threatened are sometime characterized by \_\_\_\_\_ Population dynamics, Measure of critical dispensation, A mathematical measure of bio mass. All of above
14. Encourage the conservation of agro biodiversity and aquatic biodiversity -- -----, Proted land sea scape
15. .... as a mass of complimentary conservation----- . DNA Bank
16. Tree population rely on .....interplaying mechanisms to respond to environmental change \_\_\_ 3
17. Nagoya protocol ratified by .....parties. \_\_\_\_\_ 97
18. Climate change may however cause range expansion is \_\_\_\_\_ herbivore insects
19. Thermal gradient can induce \_\_\_\_\_ due to uneven expansion or contraction in the biochemical system. \_\_\_\_\_ mechanical stress
20. \_\_\_\_\_ are preserved by cryopreservation method \_\_\_\_\_ Genetic material
21. Which one of the following is culturally influenced in natural reserve \_\_\_\_\_ cave dwelling
22. Genetic resources for food, agriculture and forestry include \_\_\_\_\_ Both wild and domesticated species
23. Earthworms, ants and termites, have been described as \_\_\_\_\_ ecosystem engineers

24. Anthropogenic climate change leading to future large-scale dieback in \_\_\_\_\_ **Amazonian rain forest**.
25. National park spreading in an area of ..... **100 SQ. KM. TO 500 SQ. KM.**
26. Pollinator are \_\_\_\_\_ major group of invertebrates, ..... **SECOND**
27. Insects pollinate how much plant species ..... **.35%**
28. Dolphin is a \_\_\_\_\_ **mammal**
29. Ramsar convention came into ..... **21 december 1975**
30. ....% of 5488 mammal species and 12 out of 9.990 bird species are considered to be change **21%**
31. WCPA stands for \_\_\_\_\_ **world commission on protected areas**
32. In Europe one estimate put the role of value marketed \_\_\_\_\_ **non wood goods from forest at 2.3 billions**
33. Since the \_\_\_\_\_ the population of Indus has significantly increased here. **1970**
34. Largest national park of Pakistan \_\_\_\_\_ **Hingol National Park**
35. If hunting is prohibited a game reserve may be considered \_\_\_\_\_ **nature reserve**
36. A sanctuary is protected area which is reserved for the conservation of only animals and human activities like **harvesting of timber**
37. Bahawalpur zoo covers \_\_\_\_\_ **25 acres**
38. **Black buck** became virtually extinct in the Cholistan desert but the species has been reintroduced to **Lal Suhanra**.
39. Hingol national park declared reserved in **1988**
40. Natural geological and geo morphological features **waterfalls, cliffs, clatters, caves**).
41. Seaweeds population is \_\_\_\_\_ **13000**
42. Snow leopard population in Pakistan left \_\_\_\_\_ **200**
43. Report on fish sperm cryopreservation published in \_\_\_\_\_ by **Blaxter 1953**
44. Cryopreservation in liquid in **-196 degrees**
45. Cartagena protocol was adopted on \_\_\_\_\_ **June 2001**, at Cartagena-Spain
46. Vegetative propagation is ..... **tissue culture**
47. Using micro-array analysis, detected that up to **113** genes, were significantly induced by drought in Mediterranean pine tissues.
48. Large natural areas come into **category VI**
49. In 2013, Ramsar sites have been declared in Pakistan ..... **19**
50. In the game reserve the major focus is specifically ..... **the animals**
51. Climate has direct effect on ..... **FGR**.
52. There are ..... **types** of genome transfer **two**
53. .... will be fine for cutting tree in 1992 act **5000 rupees**
54. Convention on biological diversity ..... **1992**
55. FAO stands for \_\_\_\_\_ **food agriculture organization**
56. GEWIS stands for ..... **genome wide interaction scan**



57. ....often result of reproductive isolation **Sympatric speciation**
58. Light intensity for most plants culture require \_\_\_\_\_ **50-200  $\mu\text{mol}\cdot\text{s}^{-1}\cdot\text{m}^{-2}$**
59. .... protected areas act as **buffer Category V**
60. Cartagena protocols not cover **products derived for m LMOs**
61. Cartagena protocols deals with \_\_\_\_\_ **biosafety**
62. Chashma and Tuansa barrage declared wild life sanctuaries by \_\_\_\_ **Punjab government**
63. Land race also called **local variety of domesticated plants**
64. ....are varieties developed as since the advent of scientific agriculture in the late nineteenth century **Obsolete varieties**
65. .... is easily generated from seed **Acacia Nilotic**
66. Anthropogenic impact is apparent in the \_\_\_\_\_ **Coastal Zone**
67. Mild breeding is type of \_\_\_\_\_ **inbreeding**
68. ....are small sites they focus on more\_\_ **prominent natural features National monuments**
69. IBPGR stand for ..... **International board of plant genetic resource**
70. In ---- the food and agriculture organization of UN published the first state of FGR **2014**
71. The wild birds and animal protection act \_\_\_\_\_ **1912**
72. Pakistan animal quarantine \_\_\_\_\_ **1979**
73. PGRFA stands for..... **plant genetic resource for food and agriculture**
74. NCCP stands for \_\_\_\_\_ **national culture collection for Pakistan**
75. Peste des petitis ruminants are called ..... **sheep and goat plague**
76. According to FAO species of mollusks are \_\_\_\_\_ **85000**
77. GSPC was found in \_\_\_\_\_ **1999**
78. Which disease is spread by consuming mercury poisoned fish **MINAMTA disease**
79. Genetic stocks can be derived into \_\_\_\_\_ **3 groups**
80. Pakistan is the .....producer of kinnows oranges in the world. **sixth largest**
81. A ..... can be taken to analyses G across E interactions **polygenic approach**
82. **Sterculia Khasia** is endemic tree of the **Khasi Hills**
83. OHSS stand for ..... **ovarian hyper stimulation syndrome**
84. Genetic resource is sometimes called \_\_\_\_\_ **first resource**
85. Phenyl Ketonuria caused by..... **mutation.**
86. When species has been reintroduced in Lalsuhanra national park? **Black buck**
87. If the advantage gene is removed then the effect is called ..... **genetic effect**
88. Crow flow migration \_\_\_\_\_ **daily**
89. Darwin finches is example of \_\_\_\_\_ **adaptive radiation**

90. \_\_\_\_\_ produce by dart poison frog \_\_\_\_\_ toxins
91. Hiamalyan brown bear \_\_\_\_\_ 15-200
92. Special care unit \_\_\_\_\_ ex-situ
93. Closely related individuals \_\_\_\_\_ inbreeding
94. Micro-organisms are \_\_\_\_\_ more-diverse
95. National strategy for PGRFA may help \_\_\_\_\_ country
96. Crustacaens migrate for \_\_\_\_\_ breeding
97. Genetic strong drift mat effect on storage in \_\_\_\_\_ small population
98. Coral reefs are also threatened reef for home \_\_\_\_\_ of marine animals 25%
99. Earliest modern protected areas \_\_\_\_\_ yellow stone national park
100. The main objective of category V is \_\_\_\_\_ maintain a balance interaction of nature and culture
101. Which category area are not associated with presence and intervention category- IV
102. Main objective of habitat species management area A. to maintain species, B to conserve species, 3. to conserve species and maintain habitat) all of these.
103. Sir Saqiq Muhammad Khan established \_\_\_\_\_ bahawalpur Zo
104. WCPA stand for ----- world commission on protected areas
105. Which of the following category encourage biodiversity aquatic biodiversity category-V
106. Tigers for migration \_\_\_\_\_ all of these
107. -----are link for generation to generation for all living matters  
Genes
108. IABGR stands for \_\_\_\_\_ institute of agriculture biotechnology and genetic resources
109. -----by sexual and asexual reproduction Vertical gene transfer
110. More genetic variation in populations \_\_\_\_\_ natural selection
111. ----- is an example allopatric speciation. Darwin finches
112. Animal genetic resource Animal genetic resource, Animal genetic resource for food and agriculture, 3.farm animal genetic resource. all of these
113. Which of the following category encourage the conservation of aquatic bio-diversity category V
114. Gene bank is a type of ----- Ex situ conservation
115. Calyha rubrinerv is belong to family ----- Euphorbiaceae
116. Number of laboratories in plant genetic resource in Pakistan \_\_\_\_\_  
six-6
117. Areas of great genetic diversity are protected from human interface gene sanctuary
118. Sheep were domesticated by humans around \_\_\_\_\_ 10.000BC



119. Plant diversity is urgently and effectively conserved is an objective of **GSPC**.

119. Woody plants like trees have ----genetic diversity than vascular plants like grass **Higher**

120 .Conversion of plant genetic resource is necessary for food security, agro bio diversity, commercial use **both a & b**

121. The problem in strict nature reserves is (a disease b, climate change, air pollution **Both B & C**

122. ----- can be used to introduce species that left an area. **Ex-situ conversion**

123. Rasmar conversion was negotiated in -----by countries and NGOs **1960**

124. Greater efforts are needed to estimate the full value of ----- **PGRFA**

125. Species that are threatened are sometimes characterized by (a, population dynamics, critical dispersion, c. mathematical measure of biomass **all of these**

126. Gene sanctuaries provide way to preserve (a. wild species, natural ecosystem. Natural habitat **all of these**

127. Key focus for regulating many of bio chemical process ----- **temperature**

128. Category VI is not designed to accommodate ----- **large scale industrial harvest**

129. It is cheep method for conversion broad range of germ-plasma ----- **seed storage**

130. To date one of the most extensive programmers to develop trees with resistance to insect pests in temperature regions is in **British Columbia**

131. Houghten and Godenlrod typically grows on (moist sandy beaches, shallow depressions .clow sand ridges **all**

132. Quit small protected area and high visitor value Category III **national monuments features**

133. -----is a category wherein samples of animals genetic are preserved cryogenically. **Animals genetic resources**

134. Genetic variation are the variation due to genes allele) **Both A & B**

135. Habitat management work **all of the above**

REGARDS

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