

# BT605 MCQS FROM MIDS AND FINAL

## FINAL CURRENT AND PAST MCQS

1. use of viruses in GM crops as vectors increases the risk of \_\_\_\_\_ **cancer induction**
2. ingestion of hazardous material by \_\_\_\_\_ **mouth pipeting**
3. Emergency plans are designed by \_\_\_\_\_ **biosafety committee**
4. Deferring irreversible decisions result in \_\_\_\_\_ **need more time to achieve objectives**
5. Diagnostic labs of private schools. Should certify to \_\_\_ BSL1, BSL2, **BSL3**, BSL4
6. Toll of allergies due to GM crops has increased \_\_\_\_\_ **50%**
7. In 1883 how many children died in England due to fire \_\_\_\_\_ **180**
8. Public participation need assess to \_\_\_\_\_ **Information**
9. In TB labs works have high risks of \_\_\_\_\_ **bacilli**
10. who rejected the Aristotle idea \_\_\_\_\_ **Thomas**
11. Hearing conservation programs initiated for \_\_\_\_\_ **protection from hearing impairment**
12. federal govt made rule under act 2005 made rule for national biosafety under rule \_\_\_ **4**
13. During lab working if irritation occur \_\_\_\_\_ **eyes must wash with water.**
14. which is not fire \_\_\_\_\_ **oxygen**
15. To hack all the sites hackers must use \_\_\_ Viruses, worms, turjon horses, all \_\_\_\_\_ **all**
16. which is not the code of nurses \_\_\_\_\_ **nurses and their families**
17. Earth came into being about \_\_\_\_\_ **3.5billion years ago**
18. Which of the following is not an obstacle \_\_\_\_\_ **lightning**
19. it is not duty of lab biosafety officer to check  
(these following are duties,, so right option is beside these)
  - apply National or International rules, regulations/guidelines
  - assist lab in developing standard safety procedures
  - knowledge of lab, clinical practices
  - knowledge of devices/engineering principles
  - maintenance facilities
  - communicate with administrative, technical and support personnel (expect these)
20. Nano robots when injected help the treatment of cancer patient by \_\_\_\_\_ **seek for only cancerous cell**
21. Regulatory system in cybernetic can be \_\_\_\_\_ **exploring**
22. Indian GMos called \_\_\_\_\_ **alien species**
23. Emergency plan done by \_\_\_\_\_ **Biosaftey officer**
24. Risk assemnt schem based on potential hazard \_\_\_\_\_ **AFIA**
25. Vector increased the risk of \_\_\_\_\_ **cancer induction**
26. Risk frame work assesment for chemical was proposed in \_\_\_\_\_ **1973**
27. Function of biosafety collaboration centre is \_\_\_\_\_ **communicable disease surveillence and response / applied biosafety programs and training**
28. \_\_\_\_\_ have been working on ethical decision making for 300 years. **Different religious and non religious thinkers**
29. containment zone in high biosafety lab is called \_\_\_ **hot zone**
30. Biosafety cabinet are used not only to protect the workers.  
Overeating BC  
Wearing lab coats  
Drink and eat in lab

31. children and old aged person have immunity  
**Weak**  
 Fresh  
 Normal  
 Same
32. treatment via gene therapy  
 leukemia  
 Down syndrome  
 Cystic fibr
33. animals use for work band delighting called  
**Beasts of burden**  
 Slave animals  
 Beasts of important
34. the name of the stain whom use Microbacterium tuberculosis...  
 Gram stain  
 Ziehl Nelsen stain  
 Silver  
 Nigrosign
- 35.** hazardous chemicals follow the.. route of exposure  
 Ingestion  
 Inhalation  
 Needle stick  
**All**
36. micropipette are available all size except  
 5  
 20  
 50  
 100
37. AIFA Stand for \_\_\_\_\_ **America Feed Industry Association**
38. emergency plan are designed by
- 39.** Hbv vaccine can be given at the age on  
 20  
 30  
 50  
**Any**
40. q fever is a ..... **bacterial infection**
- 41.** the assembly must be far fire hazard \_\_\_\_\_ at least 50ft from the building
42. chemicals fume hood is required microorganisms  
 Identified  
**Isolation**  
 Characterization  
 All
43. permission for food stuff is necessary for  
**Ingredients**  
 Packaging material  
 Processing materials  
 Processing aid

44. digonastic labs  
Bsl3  
Bsl4
45. whenever we want to develop a biosecurity plans we look at  
Location  
Business  
Facility  
All above
46. b biosecurity plans start with? Not confirm
47. AFIA abbreviation? America Feed Industry Association
48. Which is used as bioweapon anthrax
49. - Cybernetic means “governance”
50. \_\_\_\_\_ is required to import/export /sale/purchase genetically modified food License from federal agency
51. Risk assessment scheme assess potential hazard Scoring system
52. Permission for food stuff is necessary for ingredients of food stuff, additives, processing aid All
53. Function of biosafety collaborating counter is Applied biosafety programs and traning
54. - Fire extinguisher have 4 classes
55. - Favrsavr tomato 1994 geneticallymodified tomato
56. Which is harmful for human lead, mercury, gold and arsenic (not sure)
57. To hack attacker are viruses worms and Torin horses and all
58. - a suit laboratory personnel must wear positive pressure air protective suit bSI4
59. - which is not fire A. Heat Oxygen C. Fuel D. Oil
60. Indian GMO's are also called Alien species
61. Obstacles are except 1. multiple locks 2. fireproof safes 3. water sprinkles 4. Lighting
62. Emergency plan is done by? Biosafety officres
63. treatment via gene therypy 1. Leukemia 2. Hemophilia 3. Down syndrome 4. cystic fibrosis
64. Internal transport is except 1. shipping 2. movement from / to restricted area within facility 3. involvepersnol from lab 4. Commercial Carriers
65. To hack attacker are viruses, worms, Torjan horses ,all
66. Which not cause exposure to chemical inhalation ingestion needle stick and lab coat contamination
67. Folic acid with wheat this transgenic plant is used to cure? Anemia
68. Gene therapy is not acceptable for \_\_\_\_\_ leukemia
69. Function of biosafety collaborating counter is  
applied biosafety programs and things B. Vaccine develop for aIDs C. Risk function to decrease incidence of disease D. Increase scientific output
70. Animals used for working band roughing are called  
A. Devils of droughts  
B. Slave animals  
C. Beast of burden  
D. Beasts of importance

## MIDS CURRENT AND PAST MCQS

1. Which is not patient right \_\_\_\_\_ COMMON COLD

2. Genetic diagnosis referred to as \_\_\_ DNA testing-diagnosis of genetic diseases-determine a child parentage **ALL**
3. Designer babies are made through \_\_\_ **IN VITRO FERTILIZATION**
4. American Biological Safety Association founded in **1984**
5. \_\_\_ transplanted the nucleus of a tadpole intestinal cell into an enucleated frog egg. \_\_\_ **JOHN GURDON**
6. systemic search for person with specific genotype, individual or group show a risk of disease called \_ **GENETIC SCREENING**
7. who introduced bioethics \_\_\_ **POTTER AND CALLAHAN**
8. There are \_\_\_ codes of nurses \_\_\_ **4 (FOUR)**
9. Nano robots used for treatment of **CANCER/ CANCER PATIENT**
10. ethics is related to \_\_\_ **scientific research**
11. biohazard symbol discovered by \_\_\_ **CHARLES BALDWIN**
12. Creation of sever sibling enable the identification of tissue match for an older sibling suffer from life threatening disease
13. hESCs are used to \_\_\_ **GENERATE ORGANS**
14. Meta ethics is not (observational, theoretical, experimental, none) lec 3 **Experimental**
15. For which disease, personal health info should be disclose to family (cancer, aids, tuberculosis, none) lec25 **Tuberculosis**
16. Religious thinkers believe that genetic screening is a sort of playing with (human, DNA, God, religion) lec 42 **God**
17. Advantage took place in 21st century in all of the following except (technology, education, administration, none) lec 6 **none**
18. Use of viruses in genetic modification as vector increase the risk of \_\_\_ **CANCER INDUCTION**
19. The act which is not responding to trafficking \_\_\_ (use of force, threat, education, abuse of power)\_\_\_ **EDUCATION**
20. Creation of sever sibling enable the identification of tissue match for an older sibling suffer from life threatening disease \_\_\_ **(HFE 1990 ACT)**

21. Cybernetics derived from Greek word \_\_\_\_\_ **GOVERNANCE**
22. According to Islam soul is added to the embryo after \_\_\_\_\_ **40 DAYS**
23. Neurodegenerative disease occurs at the age of \_\_\_\_\_ **40 YEARS**
24. Living will includes \_\_\_\_\_ Treatment Plan (lec24)
25. Which one is the cause of global warming \_\_\_\_\_ **INCREASE IN CO<sub>2</sub>**
26. The idea of contaminant was used to prevent from the spread of communism by \_\_\_\_\_ **USA COLD WAR POLICY**
27. One of the following is incorrect, which one option is it? (a. physician has responsibilities, b. patients has rights, c. **If patient is mentally retarded than has no right at all**, d. Patient should provide information to make decisions) Lec 19 **ans;C**
28. Which one is used to purify enzymes and sugar solution (moist heat, dry heat, membrane filter, autoclave) Lec 72 **membrane filter**
29. All metals are toxic except (**gold**) lec 12
30. Which one is not an intrinsic value \_\_\_ Value of birds/green, places/religious belief \_\_\_\_\_ (**other than these**)
31. Who introduced bioethics...a.mike and fraud B. Richard and Thomas (c) Thomas and james (d) **Donald land Car**
32. All of these are benefits of using animals in biomedical research but one of these is not one  
 a. benefit of animal research is enormous. B. **ANIMAL CANNOT COMPLAIN ABOUT SUFFERING**  
 b. Reduced pain experienced by them d. Good experience reduce the number of animals
33. Patients don't have right ....ANS. **to terminate his life**
34. Biosafety depends upon ..ANS. **strict guidelines to follow.**  
 prevention of large-scale loss of biological integrity, prevention mechanisms, conduction of regular reviews - biosafety in laboratory settings, strict guidelines \_\_\_\_\_ **All**
35. spiritual treatments like yoga are useful for the patients of... \_\_\_ cancer,tb, **psychologically distress**, lupus erythematosis.
36. Animals are used recreationally except \_\_\_\_\_ ( sports, food, leisure, fashion)\_\_\_\_\_ **FOOD**
37. which is not code of nurses \_\_\_\_\_ **NURSES AND FAMILY**

38. All are the sources of increase in co2 level except \_\_\_\_ **USE OF SOLAR PANELS TO TRAP ENERGY**
39. \_\_\_\_ are making ethical values since 300 years ago (A scientists -B philosphers -C ethoists -D **all**)
40. Cybernetics is \_\_\_\_ (**A only mechanical** B only biological C only philosphical D **none**) (because its related to all)\*
41. Gene patenting is an \_\_\_\_ **INVENTION**
42. which is keep at nearest and earliest place in lab so that every person can see it \_\_\_\_ (**A first aid kit** B biological chemical C poisionious chemical D flammable liquids)
43. Harvesting of human embryo violate \_\_\_\_\_. **second duties respect the value of human life** (lec 51)
44. To be subject of a patent, an object must be a/an \_\_\_\_\_. **INVENTION NOT DISCOVERY**
45. Which one is not required in personal health information \_\_\_\_\_. **PERSON HEALTH INFORMATION OF FAMILY**
46. In Xeno-transplantations means we can transplant cells or organs \_\_\_\_\_. **From specie to another specie**
47. The degradation of following cells releases the allergy causing chemicals such as histamine. T-cells, b-cells, **mast cells**, and monocytes
48. DNA consists of all except \_\_\_\_\_. **RIBOSE**
49. Designing babies can, the increase of human life span up to \_\_\_\_\_. **30 YEARS**
50. The scientific research is related to with \_\_\_\_\_. **ethics**
51. Dolly sheep suffered \_\_\_\_\_. **RESPIRATORY DISORDER**
52. Which one of the following is applied on the single on a local level \_\_\_\_\_. **BIOACCUMULATION**
53. Which of the following is a climax forest \_\_\_\_\_. **TROPICAL RAIN FOREST**
54. Animals that are used in walking and draughting are called.... **beast of burden**
55. The word science came from \_\_\_\_\_. **LATIN "SCIO"**
56. Nanorobots when injected the treatment of cancer patient .... **seek only cancerous cells**
57. Cybernetics is a Greek word which means \_\_\_\_\_. **GOVERNANCE**
58. God had spoken through his \_\_\_\_ commandment. \_\_\_\_ **TEN (10)**
59. \_\_\_\_ used in refrigerator as a coolant and destroy ozone layer \_\_\_\_\_. **AEROSOL SPRAYS**

60. Human body contains .....cells. 100 TRILLION
61. Our DNA is \_\_\_ similar to chimpanzees. 98%
62. HGP stands for HUMAN GENOME PROJECT
63. Stem cells research is acceptable due to \_\_\_ benefits THERAPEUTIC
64. Germ weapons, disease producing infectious agents used against humans, animal or plants  
BIOWEAPONS
65. In 1850s \_\_\_ forces developed containment strategy. Anti-slavery
66. Removal of microbes including bacterial spores called STERILIZATION
67. Meta ethics means THEORETICAL
68. According to safety protocol taking excess amount of chemical in laboratory can result in the \_\_\_ fumes production
69. "Suddenly overwhelming and event occurring "Disaster definition is done by \*66\*  
a)Laymans    b)Academics    c)Internationa Red cross community    d)United nations
70. Factors affected development of Bioethics.excepted  
a)advances in biomedical science    b)environmental ethical concerns  
c)ethical issues related to artificial intelligence    d)ethical issues related to animals
71. A patient cannot refuse the treatment.if  
a)He/she having an infectious disease  
b)He/she having an extreme pain due to cancer.i.e Chemotherapy  
c)it is small antibiotic with little side effects  
d)it is blood transfusion with minimal blood risks
72. ....prohibited mouth pipetting.  
a)UN    b)WHO    c)WWN
73. Harvest of the fetus violates the  
a) respect the value of human life    b) US Law    c)Both duties    d) Has rights because it is in a viable form

74. According to lab safety protocols, taking the excess chemical is  
 a) loss to the lab      **b)contamination of lab by fumes**      c) risk the fire of colleagues      d) ill reputation to the scientists
75. special approval is required for the use of  
 a) toxins      b) Animals      **c)Infectious agents**      d)Radioactive material
76. Which is not a physical method to kill the bacteria (sterilized).  
 1)Heat. 2)Radiation. 3)Filtration. 4)**Chlorination**
77. Cybernetics derived from.....word \_\_\_\_\_ **GREEKWORD GOVERNANCE**  
 Advantage took place in 21st century in all of the following except  
 a. Technology b. Education. C .adminstration. d. **None of above**
- 78.** what is the important advise for the reviewers of research grant proposed in the code of ethic.....**not allow use of manuscript in improper way**
79. Regulatory system in cybernetics can be \_\_\_\_\_ **Structures and functions**
80. Unrequired event which occur suddenly is called \_\_\_\_\_ **DISASTERS**
81. Practice of using bio weapon in war is..... **ancient**
82. person who has genetically carrier  
**a)have carrier of gene but don't express in next generation.**  
 B)have not carrier of gene but do express in next generation      c)have carrier of gene and gain disease but don't express n .generation      d)have carrier of gene but don't gain disease,but express in next generation.
83. Plagrism is ?  
 A) summarize dishonesty      **B)dishonesty with coworkers**      C) honesty with coworkers      D)dishonesty with family members
84. Accident report will be written within \_\_\_\_\_ **FIVE DAYS**
85. A person purchases a glass ware should be noted \_\_\_\_\_ **BOROSILICATE**
86. Nano robots are used for the disease is \_\_\_\_\_ **CANCER**
- 87.** embryo has.... **own rights**

88. earth came into being approximately... 3.5 billion years ago
89. approximately .... animals are used in USA for research \_\_\_\_\_ 26 million
90. in living will patient talk about \_\_\_\_\_ treatment plan
91. surgical delivery is recommended in case of . Alzheimer disease.
92. dietary DNA is degraded by \_\_\_\_\_ enzyme
93. in xenotransplantation graft of.. ( organ/tissue transplantation, designer babies)
94. while purchasing lab glassware it should be noted the glass is.. boreosilicat
95. microbes unlikely to cause disease are include .. WHO Group I
1. which one of following is not disaster same as patenting gene (not confirm)
  2. viruses is derived from... toxin
  3. one the following will not define according to aristotle
    - (a)virtues of happiness and sadness (b)ethics and moral thinking with concept of sin
    - (c)ethics of particular individuals. (d)feeling humane behavior
4. Earth come into beings appear...
- (a)2.5 billion years ago (b)3.5 billion years ago (c)4.5 billion years ago (d)1.5 billion years ago
4. Patience advanced direct is \_\_\_\_\_ legal document
  5. the ideal containmmt was used by.....as miltry strategy to contain spread of commus...
    - (a)germny (b)japan (c)USSR (d)USA
  6. saver fever tomato (1994)is \_\_\_\_\_ geneticaly modified .
  7. practic of bio weapons is the warfare....
    - (a)common (b)ancient (c)modern (d)effective to destroy infrastructure
  8. After spillage priority must be given to
 

(Clean up spillage,first aid,making report,evaluation of damages)
  9. which is infectious agent??
  10. hESCs obtained from \_\_\_\_\_ blastocyst stage
  11. which famous philosopher \_\_\_\_\_ said people have their own rights. peter

12. sometimes the knowledge that one is certain to suffer a serious and distressing condition is a burden too heavy to bear so  
A) genetic counselling is advised.
13. favr savr tomato 1994 is genetically modified tomato and has.....  
A, longer life cycle, no alien gene, improve taste , all
14. in which of the following patient has right to with hold information to his/her spouse given by physician,  
A, brain tumor, tb, hepatitis, aids.
15. spiritual treatments like yoga are useful for the patients of..  
A, cancer, tb, psychologically disstress, lupus erythermatosus.
16. animals are used recreationally except  
A, sports, food, leisure, fashion.
17. meta ethics is not  
A, observational, theoretical, experimental, none
18. Earth came into being approximately \_\_\_\_\_ 3.5 billions years ago
19. In living will patient talk about \_\_\_\_\_ treatment plan
20. There are aspects of codes for nurses to deal with their professional life except. \_\_\_\_\_  
(nurses and people, nurses and practice, nurses and profession, nurses and co-workers)
21. In xenotransplantation graft of \_\_\_\_\_ ( organ/tissue transplantation, designer babies)
22. While purchasing glassware it should noted that glass is \_\_\_\_\_ borosilicate
23. Microbes unlikely to cause diseases include \_\_\_\_\_ WHO Group I
24. Virus is derived from \_\_\_\_\_ toxin
25. Which of following is not disaster same as patenting gene \_\_\_\_\_
26. hESCs derived embryo from \_\_\_\_\_ blastocyst stage
27. nano robots used for treating \_\_\_\_\_ cancer patients
28. accident report made within \_\_\_\_\_ five days
29. 70 years old man eat food \_\_\_\_\_ (30 goats, 600 hens, 3 cows)
30. Patent of gene must be ..... Not discovery \_\_\_\_\_ invention
31. Which famous philosopher said people has their own rights \_\_\_\_\_ peter
32. After spillage priority must be given to \_\_\_\_\_ first aid to worker injury
33. One of the following not define according to Aristoltle \_\_\_\_\_ ethics and moral thinking with  
concept of sin
34. Who introduce the bio ethics \_\_\_\_\_ potter and callahns

35. Which is fall climax forest \_\_\_\_\_ **tropical rain forest**
36. There are ..... Codes of nurses \_\_\_\_\_ **4**
37. Patient advanced directive is \_\_\_\_\_ **legal document**
38. **The ideal contaminant was used to prevent the spread of communism abroad by \_\_\_\_\_ USA- Cold War policy**
39. Favr Savr tomato genetically modified tomato \_\_\_\_\_ **(1994)**
40. Practice of bio weapons in ware fare is \_\_\_\_\_ **ancient**
41. De-granulating of ..... release allergy causing chemicals. \_\_\_\_\_ **mast cells**
42. Health care is not associated/related to \_\_\_\_\_, technology research education/administration /communication, **none of these**
43. Gene therapy is not acceptable for \_\_\_\_\_ **leukemia**
44. All are example of contamination zone except. \_\_\_\_\_ **option A** ( B. sealed rooms, C. sealed containers, D. personal suits)
45. Staphylococcal enterotoxin B is an \_\_\_\_\_ **infectious agent**
46. hESCs is used to \_\_\_\_\_ **generate organ**
47. Following is not component of ACT \_\_\_\_\_ **abuse of power**
48. Who was the philosopher says that every animal has its own right. \_\_\_\_\_ **peter**
1. DNA consist if all accept ne \_\_\_\_\_ **Phosphate.**
  2. **Surgical delivery use for \_\_\_\_\_ Alzheimer disease.**
  3. \_\_\_\_\_ derived from embryo 5-7 days old before implantation. \_\_\_\_\_ **hESCs**
  4. Increases human life span up to \_\_\_\_\_ **30days.**
  5. \_\_\_\_\_ creation of sever sibling. Enable the identification of tissue match for an older sibling, suffer from life threatening disease. \_\_\_\_\_ **HFE 1990 Act.**
  6. Required special approval for \_\_\_\_\_ animal, all \_\_\_\_\_ **infectious agent.**
  7. Dietary DNA is degraded by \_\_\_\_\_ **enzyme**
  8. Cybernetics derived from Greek word \_\_\_\_\_ **governance.**
  9. Playgrism is \_\_\_\_\_ **without honesty.**
  10. Not a part of ecosystem. \_\_\_ (light..air..water..soil)\_\_\_ \_\_\_\_\_ **light**
  11. Is not a factor of development \_\_\_\_\_
  12. Science is \_\_\_\_\_ observation and experimentation
  13. Threat to science is result are experimentally built in science but \_\_\_\_\_ socially constructed.
  14. Ethics is related to science \_\_\_\_\_ philosophy and religion.
  15. Practical meaning related to \_\_\_\_\_ normative ethics.
  16. Health care is associated/related to \_\_\_\_\_ technology.
  17. Natural world is related to, except to \_\_\_\_\_ human
  18. In USA number of animal use in research \_\_\_\_\_ 26 million

19. According to Islam soul is added to the embryo \_\_\_\_\_ 40days
20. Carrier of gene is a person who \_\_\_\_\_ do not have symptoms but carries disease to their offspring.
21. Gene patenting is related to \_\_\_\_\_ - gene creation/ created gene.
22. Microbes cause disease \_\_\_\_\_ WHO risk group.
23. Neurodegenerative incur in age ..... 40 , 50 60
24. Embryo have ..... emotional , psychological , right to treat as human
25. All metal poison except ..... Gold
26. To diagnosis the fetal tissue which are required for diagnosis ..... Allantoic fluid , amniotic , chorion
27. Type of allergy when used the fur of animal..... Hypersensitivity type 1 , 2 , 3 ,4
28. Dolly sheep suffered ..... lack to walk, respiratory disorder etc
29. Reducing the folic acid ..... Anemia , thalassaemia
30. if the condition of the patient is critical how much news give to the patient
31. if a mother refuses the treatment what is the response of the physician
32. Science is derived from a \_\_\_\_\_ word \_\_\_\_\_ **latin**
33. Virtues is given by \_\_\_\_\_ philosophers \_\_\_\_\_ **greek**
34. The environment and living forms are involved in \_\_\_\_\_ **antennae** -values
35. Which animal is now produced for fur? **Mink**
36. Aristotle idea rejected by \_\_\_\_\_ **Thomas brooke**
37. Patient has a right to \_\_\_\_\_ receive **information**, make decisions, confidentiality, Continuity, availability of health care \_\_\_\_\_ **receive information**
38. **Informed consent** \_\_\_\_\_ is legal and ethical right of the **patient**, permission before getting the health care.
39. Human stem cells are obtained from ----- cells. The serious brain fatal disease is caused at the age of -----.
40. Human stem cells are obtained ----- stage
41. Neurodegenerative incur in age ..... 40 , 50 60
42. Bio hazards symbol was discovered by-----

### MCQs:

1. DNA consists of all accept \_\_\_\_\_. **Phosphate**.
2. Surgical delivery use for \_\_\_\_\_ **cephalic disease/ cephalic disorder**. 27
3. \_\_\_\_\_ derived from embryo 5-7 days old before implantation. \_\_\_\_\_ **hESCs** 52
4. Increases human life span up to \_\_\_\_\_ **30years**. 53
5. \_\_\_\_\_ creation of sever sibling. Enable the identification of tissue match for an older sibling, suffer from life threatening disease. \_\_\_\_\_ **HFE 1990 Act**. 56

6. Required special approval for infectious agent. \_\_\_\_\_ (animal, plant, human, **all**). 69
7. 98% Dietary DNA is degraded by \_\_\_\_\_. **enzyme** 30
8. Cybernetics derived from Greek word \_\_\_\_\_ **governance**. 33
9. Playgrism is \_\_\_\_\_ **without honesty**. ( not clear and confirm)
10. Not a part of ecosystem. \_\_\_ (light..air..water..soil)\_\_\_ \_\_\_\_\_ **light**. 8
11. Science is related to \_\_\_\_\_ **observation and experimentation**.
12. Threat to science is result are experimentally built in science but \_\_\_\_\_ **socially constructed**. 1
13. Ethics is related to science \_\_\_\_\_ **philosophy and religion**. 3
14. Practical meaning related to \_\_\_\_\_ **applied ethics**. 3
15. Health care is associated/related to \_\_\_\_\_ **technology**. 6
16. Environment is a natural world is related to all aspects except to \_\_\_\_\_ **human**. 8
17. In USA number of animal use in research \_\_\_\_\_ **26 million**. 15
18. According to Islam soul is added to the embryo \_\_\_\_\_ **40days**. 51
19. Carrier of gene is a person who \_\_\_\_\_ **do not have symptoms but carries disease to their offspring**.  
60
20. Gene patenting is related to \_\_\_\_\_ **gene creation/ created gene**. 46
21. Microbes cause disease \_\_\_\_\_ **WHO risk group 2**. 73
22. Neurodegenerative incurs in age ..... 40. 60
23. Embryo have \_\_\_\_\_, right to treat as human. \_\_\_ emotional , psychological. 51
24. All metal poison except \_\_\_\_\_ Gold. 12
25. To diagnosis the fetal tissue which are required for diagnosis \_\_\_\_\_ amniotic cells.
26. Which of allergy occur by the fur of animal \_\_\_\_\_ type 1 Hypersensitivity. 77
27. Dolly sheep suffered \_\_\_\_\_ lack to walk, respiratory disorder. 50
28. Reducing the \_\_\_ disease by adding folic acid in wheat. \_\_\_\_\_ Anemia. 34
29. if the condition of the patient is critical how much news give to the patient. \_\_\_ **70-80%**. 22
30. if a mother refuses the treatment what is the response of the physician. \_\_\_ **Should not force her**.  
27
31. Science is derived from a \_\_\_\_\_ word \_\_\_\_\_ **latin** 1
32. Virtues is given by \_\_\_\_\_ philosophers \_\_\_\_\_ **greek** 7
33. The environment and living forms are involved in \_\_\_ **intrinsic values**. 9
34. Which animal is now produced for fur? **Mink**. 16
35. Aristotle idea rejected by \_\_\_\_\_ **Thomas**. 4
36. Patient has a right to \_\_\_\_\_ receive information, make decisions, confidentiality,  
Continuity. **All**. 19
37. \_\_\_\_\_ is legal and ethical right of the patient, permission before getting the health care. \_\_\_ **Informed  
consent**. 23

38. Human stem cells are obtained from \_\_\_\_\_ cells. Embryo. 52
39. The serious brain fatal disease is caused at the age of \_\_\_\_\_ 40. 60
40. Bio hazards symbol was discovered in 1966 by \_\_\_\_\_ **Charles Baldwin.** 70