2017 E.C Biology Work sheet for Grade - 9th 2nd

I. Write true or false

1.Asexual reproduction is the production of individuals without gametes.
2. Puberty or adolescence is the time when secondary sex characteristics begin to develop. 3. Adolescence is the period between puberty and adulthood,
4. Corpus luteutum is a structure that secretes the hormones estrogen and progesterone;
5. Malaria is caused by protozoa known as plasmodium Protozoa.

II.Choose the best answer

6. Main hormone produced by testes; required for sperm production and development of male secondary sexual traits. A. testosterone B Estrogens C. progstrogen D. pituitary
7. Advantages of asexual reproduction are
A. No mating & gametes are needed
B. all the good characteristics of the parentare passed on to the offspring;
C. offspring will grow in the same favorable environment as the parent. D. All
8.An asexual mode of reproduction in which an organism divides into two unequal parts is; A, budding B. fusion C. Fission D fragmentation
9. One is not secondary sexual characteristics in males :
A .Widening of pelvic bones.
B. growth and maintenance of the male sex organs,
C.an increase in body hair,& muscle mass,
D. growth of the long bones of the arms and legs
10. They produce and release eggs A. ovaries B. oviduct C. fallopian tubes D. Uterus
11. Not true about Vegetative propagation
A. is a method of sexual reproduction in plants
B. structures, lateral meristems [stems, buds ,leaves] give rise to new self-supporting individual. C. Stolons (runners) Rhizome Corm & Tubers & bulbs are some examples
D. grafting, layering& cutting are its artificial methods
12. Not true about monthly changes in the uterus as the menstrual cycle; occurs A. Flow [first phase] is the flow of bits of uterine lining & some blood from the uterus to out B. Luteal[The third phase] begins before ovulation
C. Follicular phase[The second phase] is the interval of follicle maturation before ovulation D. During follicular phase cells around the egg secrete estrogen that encourage the pituitary to release more LH that causes the follicle to swell& burst for ovulation
13.Human twins which come from one zygote are called .A. identical, or

monozygotic twins) B. (non-identical, dizygotic, or fraternal twins. C. are strikingly unlike and be the same sex
D. does not resemble each other anymore &born separately in different family 14 ----is a simple and safe surgical operation in which the man's sperm ducts cut and the ends sealed.
A. Male sterilization – B. vasectomy C laparotomy D. tubal ligation
15.Awomen enters menopause when all the follicles are
A. released during menstrual cycle B. disintegrated as a result of aging C. not mature D. All 16. Is caused by bacteria A. Gonorrhea B Syphilis C. Chlamydia D. Trichomoniasis
16.Benefits of family planning / contraception / are
A. Preventing pregnancy-related health risks in women
B. Reducing infant & slowing population growth C .Reducing adolescent pregnancy D. All 17. STI is avoided by not having sexual intercourse with a person who might have the infection A.prostitutes who offer sexual intercourse for money
B.people who are known to have had sexual relationships with many others
C. Casual acquaintances whose background and past sexual activities are not known. D. All 18. Human males are born with the penis, scrotum and testicle whereas females are born With A. vagina, B uterus, C. ovaries. D. All
19.---- is the process of taking in food and converting it into energy & other vitals nutrients A. Nutrition B. Nutrient C. chemical substance D. Macronutrients and Micronutrients
20.The indigestible part a product of plant's cell walls that consists mainly of cellulose, as the body does not have any enzymes for the digestion of this cellulose. That reach large intestine (colon) without being digested. This undigested part of the diet is called A. roughage. B. diet C. Nutrient D. Food
21. Disaccharides are A. comprised of hydrogen, carbon, and oxygen. B. It is the combination of two simple sugars C. maltose sucrose & lactose D .The general formula is $C_{12}H_{22}O_{11}$
22.Not true statement A. maltose .(Glucose + galactose), B. sucrose (Glucose +Fructose C. lactose (glucose + galactose). D The general formula of (C6H10O5)n...
23.HIV can be passed from one person to another by direct exchange
A• Fluid transfer from one person to another during sexual intercourse
B• Blood transfusion from one person to another, during blood donation
C• Sharing needles in intravenous drug users& Mother to infant in breast milk
D.• Mother to fetus across placenta, more often, through the mixing of blood during birth 24. True bout infectious diseases, they are;
A. disease caused by malnutrition, chemical effect, inherit or genetic factor
B. caused by disease causing organisms.
C. some are Kwashiorkor, Scurvy, night blindness marasmus & sickle cell

anemia, cancer allergies, diabetes, & podoconiosis
D. disease caused by cigarette smoke like lung cancer Tar & Chronic bronchitis 25. Natural birth control methods A. have no side effects
B. calendar, temperature & mucus are some examples C. permitted by most religions D. All
26..Not matched with others A. starch B. glycogen C. cellulose D. sucrose
27. One caused by under nutrition A wasting B. stunting C. underweight D. Obesity 28.Not correctly matched with its deficiency disease? A. Vit- A rickets B.Vit- A- retinol C. carbohydrates- marasmus D. protein- Kwashiorkor
29. Not true about vitamin C ? A. sourced from oranges, lemons, other citrus fruits B. Important to tissue repair, resistance to disease
C. causes bleeding gums (scurvy). D. its sources fish oil, milk, butter
30. Different infectious diseases have different mode of transmission by,
A. Direct contact with a patient. B .insect bite. C. sexual inter-course
D Drinking contaminated water or by eating contaminated food
31. HIV can be passed from one person to another by direct exchange of body fluids: A.during sexual intercourse B. during blood donation C. .During sharing needles
D Mother to fetus across placenta through the mixing of blood during birth or in breast milk
32. Abiotic factors A. Some factors affect terrestrial, but not aquatic, ecosystems. B. are non-living components of the ecosystem that influences the distributions of organisms
.C. energy, light, temperature, water nutrients, salinity
D.Several are important in aquatic, but not terrestrial ,ecosystems.
33. Which biotic factories are more important for aquatic organisms compared to terrestrial ones? A. Consumers B. producers C. decomposers D. prey & predator interaction
34. Which one is correctly arranged ecological level from lower to higher?
A. organism --populations,-communities,-ecosystems and biosphere
B., populations, organism-communities, ecosystems and biosphere
C. organism, populations, ecosystems community and biosphere
D, organism populations, communities, biosphere and ecosystems
35.Balanced diet are not depended on A.height B.age C. sex D. activity
36.Non-Infectious diseases are A. caused by causative agent organism.
B. caused by pathogens. C. inherited or genetic diseases and are deficiency diseases D.Kwashiorkor, Scurvy, night blindness marasmus Chronic bronchitis sickle cell anemia, cancer, allergies, diabetes, are some examples. 37. Why off spring produced by parthenogenesis is commonly called “virgin bi*rth”?*
A. Some species of animals (e.g., bees& lizards) are able to reproduce asexually. B. egg and sperm come together in this process,

C .a form of sexual reproduction in which an unfertilized egg develops into an adult organism.
D. Fertilization results in the formation of a single cell called a zygote .that grows into a new individual. & the female gametes are always larger than the male gametes and are not mobile.
38. __is one of the most common asexual reproduction involving the breakdown of a parent organism into parts that develop into whole organism. A. Fragmentation B. fission. C budding D. sporulation
39.__ is a pair of ducts in which sperm formed in testes mature; each empties into a vas deferens. A. Epididymis B. Seminiferous tubules C. Vas deferens D. Prostate gland
40. *A* duct *that* carries *both* sperm and urinary products *out of the body*
A. urethra B.Ureter C. vas deferens, D. epididymis
41. Not true about Contraceptive injection A. It can protect against STIs. B. given to women, contains progesterone and stays effective for between 8 and 12 weeks.
C. It works by thickening the mucus in the cervix, stopping sperm reaching an egg. D It thins the lining of the uterus, making it unsuitable for implantation of an embryo.
42. Not true about fertility awareness A. methods overall are more effective than other methods. B. needs male partners continuously cooperativeness.
C. its reliability can be affected by Physiologic changes such as recent childbirth, current breast feeding, early menstruation, & approaching menopause) . D. intercourse is avoided, or a barrier method is used.
45. True about Intra-uterine device (IUD) A. No risk of developing uterine infections, and protect against STIs. B. It is relatively effective at preventing implantation and pregnancy.
C. It can cause pain and heavy periods; can cause uterine infections which may lead to infertility. D. If pregnancy does occur, has a high chance of Fallopian tubes (ectopic pregnancy). 46. ____is caused by Treponema palladium bacterium. A. Trichomoniasis B. syphilis, C. gonorrhea, D. chaceriod and Chlamydia
47. Not true about undigested part of the diet fiber [roughage] it is
A. indigestible carbohydrate provided as dietary fiber & not serve as a source of energy. B. a product of plant's cell walls that consists mainly of cellulose. C. found in vegetables, fruits, and grains. D. available & can be digested by human enzymes 48. Fats and oils are A. high-energy nutrients that provide 35 to 45% of caloric intake. B. obtained from animal source & solid and plant source & liquid at room temperature C. composed of carbon, oxygen and hydrogen. D. they serve as a vehicle for the absorption of the fat soluble vitamins (A, D, E

and K).
49. Not true about the f/f definition
A. Malnutrition: the insufficient, excessive or imbalanced consumption of nutrients, B. Wasting : low weight for height
C. Stunting; low height for age Underweight: low weight for age
D. Obesity: caused by a high intake of fatty foods with a lot of sugar & too little exercise.
50. No true about a person with a BMI Status? A. below 18.5 is underweight
B. 18.5–24.9 normal weight, C. 25.0–29.9 overweight, D. 30.0 and above obese. III. Match the following nutrients with their corresponding Deficiency diseases

------ 51.Vitamin-A	A. Rickets & muscle cramp
-------52.Vitamin- B	B. kwashiorkor
------- 53.Vitamin -C	C. Anemia
-------54.Vitamin- D	D. Night blindness
-------55.Vitamin -E	E. scurvy
------ 56. Vitamin- k	F. beriberi
------57. Calcium	G. gum bleeding
------58. Iron.	H. Unable to clot fllowing blood
------59. Phosphorus	I. less haemoglobin in the body
------60. Iodine	J. marasmus
___ 61. Carbohydrates	L. soft body
------62. Proteins	M. Abortion

63. The breaking down of alcohol by liver enzyme happens more quickly in men than in women because A. men have more of these enzymes that are more active.
B. They have more water and less fat in their bodies than women
C. more water causes the conc. of alcohol in the blood to decrease more quickly D. All
64. Which one is not true about Tar ; it is
A. the black sticky substance found in cigarette that collects in the lungs as the smoke cools.
B. The health effect of it can be chronic bronchitis, lung cancer
C. Emphysema weakened alveoli wall because of action of it & resulted in coughing. D. Tar irritates the lining of the bronchioles and stimulates the production of less mucus. 65. Not the main components of cigarette or tobacco are
A.tar B. carbon monoxide [CO] C. Nicotine D. Cathinone
66.Malnutrition is --consumption of nutrients A. insufficient B. excessive C. imbalanced D. All
67.Which drug is illegal? A. cannabis B. nicotine C. caffeine D .alcohol
68. Which ecological level is the correctly arranged from lowest to highest?
A. Individual ,population community ,ecosystem biome & biosphere
B. Individual ,population, ecosystem, community, biome & biosphere
C. Individual, community, population, ecosystem, biome & biosphere
D. Individual, ecosystem, population community, biome & biosphere

69. What happens to the corpusleutum if fertilization does occur?
70. Write the contraceptive methods that prevent from;
A. fertilization B. implantation of embryo
C. Gamete development or release from male or female gonads

Set by boil teachers

Assignment for G9th
1. What are the two effects that help to prevent constipation & increase bowel movement?
2. Why early maturing males have higher self-esteem by their peers than others? 3. What is the name the enzyme found at the head of the sperm & its importance?
4. What is the role hormone during puberty?
5. How do infectious diseases are transmitted from one person to another? [4%]

Submit to your teacher on time iii

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1st semester grade 9 biol work sheet

1.---------- is the procedure used to grow microorganisms in a controlled environment.. A. culturing B. incubater C. autoclave D. lnoculating
2. The ways of killing microorganisms, includes A>chemical disinfectants, flame, B. dry or wet heat, ultraviolet light, C. ionizing radiation such as X-rays or gamma rays. D. all
3. A compound light microscope with a single eyepiece is called A.monocular B. binocular. C .a higher magnifier D. a common microscope
4• Living organisms interact with ---------- at all levels of biological organizations. A. themselves B. the environment C. natural world D. All

5.Studying biology not used in
A. understand how living things work function and interact with the environment. B. to discover drugs that are used to treat different diseases.
C. work on problems that critically affect our lives, how ecosystems work advancements in genetics and cell biology are transforming to medicine and agriculture & to investigate crime,
D. how ecology is helping societies to evaluate environmental issues [global warming] how fermentation is used.
6.Which comes before from the other A. asking questions B. theory C. observation D. hypotesis