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Botany

Secondr cnfrontat 1 Mark Q&A - 2024

(1) Test cross involves
* cross the F_1 hybrid with a double recessive genotype

(2) Trisomy were 1st reported by
* blakeslee in Datura.

(3) Match the following:
A) O-Horizon - Organic Horizon
B) A-Horizon - Leached Horizon
C) B-Horizon - Accumulated Horizon
D) R-Horizon - Parent material.

(4) which one of the Following used as cardiac tonic. - Digoxin

(5) which is wrong about Foodchain?
a) Grass → mouse → snake → Eagle
b) Plant → grasshopper → Lizard → Eagle
c) Mouse → Lizard → Rabit → Eagle
d) Detritus → Earthworm → Bird → Eagle.

(6) which plant creates a breeding habitat for disease causing Mosquito Anopheles
a) Eichornia crassipes b) Lantana camara
c) Prosopis Juliflora d) Parthenium Hysterophorus

(7) Importing better varieties and plant from outside and acclimatising them to local envt is called. introduction

(8) In majority of plants, the pollen is liberated at 2-cell stage.

(9) who is called as father of Green revolution? M.S. Swaminathan

(10) ECoRI cleaves DNA at GAATTC

(11) In which technique ethidium bromide is used? Agarose gel electrophoresis.

(12) Tephrosea purpurea is a Green Manure

(13) Cardomom belongs to the family
(x) Zingiberaceaceae

(14) which of the following are not regulating services of Ecosystem Services?
Recreation and Aesthetic value.

(15) Assertion: Gammarays are generally used to induce mutation in wheat varieties
Reason: Because they carry lower Energy to non-ionise electrons from atom.
A is correct; R is wrong
explanation: for B.

(16) Functional megaspore in angiosperm develops into a Embryo Sac

(17) which one of the following matches are correct?
a) palmyra - Native of Brazil ×
b) Succharum - Abundant in kanyakumari
c) Steveocide - Natural sweetener ✓
d) Pallyra sap — Fermented to give ethanol.

(18) who coined the term Greenrevolution?
Dr. M.S. Swaminathan.

(19) .world ozone day - september 16.
20) Strong - sharp spines that get attached to animal's feet are found in the fruits of Aristida / Argemone

20) The time duration for sterilisation Procedure using autoclave is 15 to 30 min and the temperature is 121°C

21) The ratio in a dihybrid test cross between two individuals is given by 1:1:1:1

22) The type of soil suitable for cultivation is. Loamy soil

23) The bacteria that causes Crown gall disease in dicotyledonous plants is Agrobacterium tumefaciens

24) A scar left by the funiculus on the seed is Hilum

25) The Dominant epistasis ratio is 12:3:1

26) Find the perfect Match.
a) Rubber - Shorea robusta
b) Log - Cypress papsparus
c) woodpulp - Herca brasiliensis
d) cosmetics - Aloevera.

27) plant responsible for loss of global biodiversity is Eichornia crassipes

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Match. Bio Zoology One Mark Questions -2024 wi

① A) Copper releasing IUD - multiload 375
B) Hormone " " - LNG 20
c) Non-Medicated " - Lippes loop IUD
d) Minipills - saheli.

② Fraternal twins are produced when the following condition is statisfied. Two sperms are fertilising two eggs.

3) ELISA is mainly used for —
a) Detection of pathogens.

4) A species is considered globally extinct when —
c) both a and b
option-a: None of its members are alive anywhere in the world.
option b: Individuals of a species remain alive in Captivity.

⑤ The difference b/w DNA & RNA sugars is
d) one O_2 atom less in deoxyribose sugars.

⑥ Identify the Primary lymphoid organ.
Thymus, Bone marrow and Bursa of Fabricius.

7) CO_2 is not released during.
Lactate Fermentation.

8) Match.
A. mutualism — Sea anemone with hermit crab
B. commensalism - Birds & mammals helping in dispersal of seeds.
c. Parasitism - Round worm with man
D. Competition - Birds compete with squirrels for nuts.
E. Predation - Lion & deer.

9) which of the following is the correct sequence of event with reference to the central dogma?
Replication, Transcription & Translation.

10) use of widal test is to confirm Typhoid disease. (Typhoid confirmatory test)

11) The 1st clinical therapy was done for the treatment of SCID

12) Animals that can move from freshwater to sea called as catadromous Migration eg: Eel.

13) Colusmum is rich in IgA antibodies

14) A contraceptive pill that prevents ovulation by. inhibiting the release of FSH & LH

15) The 1st human like organism is Homo erectus.

16) which I sused as "clot buster" for removing clots from the blood vessels of patients who have undergone Myocardial. infarction? Streptokinase

17) Excess of fluoride in drinking water causes Fluorosis.

18) Fever, cough, painful breathing and brown sputum are the symptoms of. pneumonia.

19) which one of the following areat high risk of extinction due to habitat destruction. Amphibians

20) The age of fossils can be determined by. carbon dating.

21) Holandric genes are otherwise known as Y linked genes

22) Match.
A) Muthalism - sea anemone with hermit crab
B) commensalism - Barnacles attached to whales
c) parasitism - Round worm with man.
D - Competition - Birds compete with squirrels for nuts.
E) predation - Lion & deer

23) Assertion: offsprings Produced by asexual reproduction are genetically identical to the Parent
Reason: Asexual reproduction involves only mitosis & nomeiosis
Both A & R is true, R is a correct explanation of A.

24) The hormone responsible for the release of ovum is LH.

25) Match the following:
1) Treponema pallidum - Syphilis.
2) Candida albicans - Fungal STD
3) Yersinia pestis - Bubonic plague
4) Rubella virus - Measles.

26) Level of air Pollution based on AQI From 51-100 is Moderate

27) Assertion: PCR is used to amplify DNA Fragments.
Reason: The enzyme used in PCR is Taq RNA Polymerase.
A is correct R is wrong.

28) The type association between sucker fish and sharkis Assisted Living.

29) Nitrogenous bases found in HGIP is

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*ALL THE BEST, *