

XII: 2021-22: MCQ Test 2: Ch 5: Heredity

*Required

1. Email *

2. Name *

3. Class *

Mark only one oval.

XIIA

XIIB

4. Roll *

5. 1. Among the males an x chromosome is present but its counter part is distinctly smaller and called *

Mark only one oval.

Y chromosome

Z chromosome

W chromosome

None

6. 2. Henking could trace a specific nuclear structure through spermatogenesis in a few insects and it was also observed by him 50 % of the sperm received this structure after spermatogenesis, where as the mother 50% did not receive this. He gave a name to this structure *

Mark only one oval.

- Y body
- X body
- Z body
- All

7. 3. In an entity with genetic composition AA+XXY such as Drosophila will be a normal female. In the case of mammals, it will be? *

Mark only one oval.

- Turner
- Klinefelter
- Normal female
- none

8. 4. _____ discovered XY sex chromosomes *

Mark only one oval.

- M J D White
- Nettie Stevens
- R Brown
- Mendel

9. 5. In this plant, sex determination was first studied

Mark only one oval.

- Mirabilis
- Melandrium
- Datura
- Rumex

10. 6. This technique can be used to detect the chromosomal abnormality of an unborn baby *

Mark only one oval.

- Tissue culture
- Ultrasound
- CAT Scanning
- Amniocentesis

11. 7. This number of Barr bodies are found in a female with XXXX chromosomes

Mark only one oval.

- 4
- 3
- 2
- 1

12. 8. If a boy has sexual characters of that of a girl, its genotype would be

Mark only one oval.

- XYY
- XO
- XXY
- XXX

13. 9. Free martin first observed in

Mark only one oval.

- calf
- Sheep
- man
- none

14. 10. Barr body- seen in saliva test of olympic games- are found in human and are related to *

Mark only one oval.

- male autosome
- female sex chromosome
- female autosome
- allosome of any type

15. 11. a Labrador having yellow coloration due to epistasis which genotype do u think must be there

Mark only one oval.

- E-bb
- E-B-
- eebb
- not possible to speculate

16. 12. In case of two gene interaction, the gene which is masking the expression of another is called _____ and the gene whose expression is masked is called _____ *

Mark only one oval.

- Dominant, recessive
- recessive dominant
- epistatic hypostatic
- hypostatic epistatic

17. 13. Marriages between close relatives should be avoided as it causes more

Mark only one oval.

- Abnormalities in child birth
- Mutations
- Recessive alleles to come together
- its just myth

18. 14. When two or more nonallelic gene pairs affect the same character in the same way, it is called *

Mark only one oval.

- pleiotropy
- polygenic inheritance
- additive expressivity
- none

19. 15. Raju and Rani are planning a family, but each has a brother having the sickle-cell disorder, they are worried that their kids might develop the disorder too. Neither Raju, Rani nor their respective parents have the disorder. They decide to consult a genetic counsellor who conveys them this *

Mark only one oval.

- its is possible that none of their kids will have the disorder, but blood tests on both of them should be carried out to confirm
- all of their children will have sickle-cell disorder
- one of four of their children can be expected to have sickle cell
- there is no chance of any of their kids having sickle cell

20.

Mark only one oval.

- Option 1

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