

SUBJECT: BIOLOGY (BIOH)

CLASS XII

SEMESTER III

MODEL QUESTION

F.M-30

1. The origin of life in this Earth is approximately (a) 3 b.y.a (b) 3.5 b.y.a (c) 4 b.y.a (d) 4.5 b.y.a.
2. The prochloron contains (a) chl. A (b) chl. B (c) chl. C (d) chl. A and B.
3. The following term was not used by Darwin in the theory of evolution (a) variation (b) inheritance (c) selection (d) use and disuse.
4. Modern synthetic theory involves the cohesion of (a) Darwin and Lamarck (b) Darwin and Mendel (c) Darwin and Weismann (d) Lamarck and Mendel.
5. The number of contrasting characters denoted by Mendel in garden pea is (a) 4 (b) 5 (c) 6 (d) 7.
6. Kernel color in wheat is an example of (a) co dominance (b) incomplete dominance (c) multiple allele (d) genetic interaction.
7. The telomere is rich in (a) adenine (b) guanine (c) thymine (d) cytosine.
8. The blood group without any antigen is (a) A (b) B (c) AB (d) O.
9. The dominant epistasis ratio is (a) 12:3:1 (b) 9:3:4 (c) 9:6:1 (d) 15:1.
10. The sex chromosome autosome ratio in human male is (a) 1:1 (b) 1:2 (c) 2:1 (d) 1:3.
11. Maximum number of mutated genes in thalassemia disease is (a) one (b) two (c) three (d) four.
12. The trisomy of which chromosome causes Down Syndrome (a) 17 (b) 18 (c) 19 (d) 21.
13. The temperature at which sperms are matured is (a) 33°C (b) 35°C (c) 37°C (d) 38 °C
14. The testis descends into the scrotum via (a) vas deferens (b) urethra (c) inguinal canal (d) fallopian tube.
15. The acrosome is produced from (a) RER (b) SER (c) Golgi body (d) lysosome.
16. Fertilization takes place in the (a) urethra (b) cervix (c) uterus (d) fallopian tube.
17. The Graafian follicle produces the hormone called (a) HCG (b) Oestrogen (c) Progesterone (d) relaxin.
18. The mean pH of prostatic secretion is (a) 6.5 (b) 7.0 (c) 7.3 (d) 7.5.
19. The testosterone production comes from (a) Sertoli cells (b) Leydig cells (c) seminiferous tubules (d) rete testis.
20. The menstrual cycle duration under normal condition is (a) 25 days (b) 28 days (c) 30 days (d) 32 days.

21. The embryo in the form of ball of cells is called (a) morula (b) blastula (c) gastrula (d) none of the above.
22. The release of milk is brought about by (a) LH (b) Prolactin (c) oxytocin (d) vasopressin.
23. The number of stages of parturition in human is (a) one (b) two (c) three (d) four.
24. The normal gestation period in human female is (a) 270 days (b) 280 days (c) 290 days (d) 300 days.
25. The following body fluid does not spread STD (a) blood (b) sweat (c) semen (d) vaginal fluid.
26. The number of polar bodies released during oogenesis is (a) one (b) two (c) three (d) none.
27. The most common type of material used in condom is (a) latex (b) rubber (c) polymer (d) silicon.
28. The most common material used as IUD is (a) Polythene (b) copper T (c) polyurethane (d) None.
29. The minimum amount of sperm present in per ml of semen is (a) 15 million (b) 18 million (c) 20 million (d) 25 million.
30. The common cause of cervical cancer is (a) *Neisseria* (b) *Treponema* (c) HPV (d) HBV.