H.w for Class - 12B Date :15\07\2020

Physics

- 1-Define the term electrical conductivity of a metallic wire. Write its SI unit.
- 2-Define the term mobility of charge carriers in a conductor. Write its SI unit.
- 3-Write a relation between current and drift velocity of electrons in a conductor. Use this relation to explain how the resistance of a conductor changes with the rise in temperature
- 4-When electrons drift in a metal from lower to higher potential, does it mean that all the free electrons of the metal are moving in the same direction?

Biology

- 1. Which part of ovary in mammals acts as an endocrine gland after ovulation?
- (a) Stroma
- (b) Germinal epithelium
- (c) Vitelline membrane
- (d) Graafian follicle
- 2. The female external genitalia include
- (i) Ovary (ii) Mammary gland
- (iii) Mons pubis (iv) Clitoris
- (a) (i) and (ii) (b) (ii) and (iii)
- (c) (iii), (iv) and (v) (d) (ii), (iii) and (v)
- 3. 2n = 16 is in a primary spermatocyte which is in metaphasebof first meiotic division. What shall be the total number of chromatids in each of the secondary spermatocyte?
- (a) 16 (b) 24
- (c) 32 (d) 8
- 4. In humans, at the end of the first meiotic division, the male germ cells differentiate into the
- (a) spermatids
- (b) spermatogionia
- (c) primary spermatocytes
- (d) secondary spermatocytes
- 5. The sperms undergo physiological maturation, acquiring increased motility and fertilizing capacity in
- (a) seminiferous tubules
- (b) vasa efferentia
- (c) epididymis
- (d) vagina

English

Design an invitation card for the invitation of a book fair to be held in your school campus, insert necessary details.