

Model Question Paper
Chemistry in Action- Part I

12th Standard

Chemistry

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:00:00 Hrs

Total Marks : 70

5 x 1 = 5

Part-A

- 1) The substance capable of absorbing blue light from the visible radiation would appear
(a) Yellow (b) Yellow-green (c) red (d) blue
- 2) The unsaturated group(s) present in an organic compound is/are called
(a) chromogens (b) auxochromes (c) no specific name (d) chromophores
- 3) If an auxochrome does not affect the colour of the chromogen, it should be present in the position relative to chromophore
(a) para- (b) meta- (c) ortho- (d) same-
- 4) In the compound, $O_2N - C_6H_4 - N = N - C_6H_4 - N(CH_3)_2$, the chromophore is
(a) $-NO_2$ (b) $-N = N-$ (c) $-NO_2$ and $-N = N-$ (d) $-N(CH_3)_2$
- 5) Diazonium salts give coupling reactions with
(a) alcohol (b) aromatic amines (c) all amines (d) amines and phenols

Part-B

- 6) Define chemotherapy .
- 7) What are anaesthetics ? Give two example.
- 8) In what way antipyretics are important ?
- 9) Why Iodoform and phenolic solutions are called antiseptic ?
- 10) Give two examples of antimalarials.

5 x 3 = 15

Part-C

- 11) Write briefly on antibiotics ? In what way antispasmodics are helpful ?
- 12) Explain briefly on characteristics of rocket propellants.
- 13) Write a note on anaesthetics.
- 14) Explain briefly on colour and structure of dyes.

10 x 5 = 50

Part-D

- 15) a) Write briefly on Buna rubbers.
b) How are Buna-S and Nylon-66 prepared?
- 16) a) Write notes on polyethylene and polystyrene.
b) Write notes on (i) Poly ester, (ii) Poly amide
- 17) a) Give the characteristics of a dye.
b) Write notes on food preservatives.

3X10=30
