

R.S.P.COLLEGE, JHARIA(Belagaria)
Department of Botany

Semester III Internal Examination, 2021

Paper: Core practical

F.M.= 15

Section A

I. Choose the correct Answer [15 x 1 = 15]

1. Milk like preparation can be made from the seed of

- (a) Gram
- (b) Grapes
- (c) Soyabean
- (d) Barley

Answer : c) Soyabean

2. One of the following is an oil seed crop

- (a) Marigold
- (b) Sunflower
- (c) Roses
- (d) Crysanthemum

Answer: b) Sunflower

3. Jute is obtained from

- (a) Primary Xylem
- (b) Primary Phloem
- (c) Secondary xylem
- (d) Secondary Phloem

Answer: d) Secondary Phloem

4. Which of the following characteristics of pea plants was not used by Mendel in his experiments?

(a) seed colour

(b) seed shape

(c) pod length

(d) flower position

Answer: (c) pod length

5. An Example of alleles is

(a) AB and Tt

(b) TT and Tt

(c) T and t

(d) X and Y

Answer : (c) T and t

6. Mendel's experimental material was

(a) *Pisum sativum*

(b) *Lathyrus odoratus*

(c) *Oryza sativa*

(d) None of the above

Answer: (a) *Pisum sativum*

7. During Mendel's experiments gene was reported as the term

(a) Factors

(b) Traits

(c) Characters

(d) Qualities

Answer: (a) Factors

8. Two summer white squashes with genotype $WwYy$ were crossed (W=white colour, Y=yellow colour, w and y= green colour) W is epistatic to Y

and y. What would be the different colours of summer squashes obtained out of the above cross?

- (a) 12 white: 3 yellow:1 green
- (b) 12 yellow: 3 white: 1 green
- (c) 12 green: 1 white: 3 yellow
- (d) 12 yellow: 3 green: 1 white

Answer: (a) 12 white: 3 yellow:1 green

9. Types of vascular bundle found in roots ?

- (a) Collateral
- (b) Bicollateral
- (c) Radial
- (d) Concentric

Answer: c) Radial

10. Which of the following tissues are involved in water conduction ?

- (a) Xylem and Phloem
- (b) Tracheids and tracheae
- (c) Parenchyma and sclerenchyma
- (d) Xylem fibres and bast fibres

Answer : b) Tracheids and tracheae

11. Which plant group does not contains Phloem parenchyma?

- (a) Dicots
- (b) Gymnosperms
- (c) Pteridophytes
- (d) Monocots

Answer: d) Monocots

12. Among the following which is not a characteristic of hydrophyte?

- (a) abundant air spaces and air chambers
- (b) plentiful xylem and sclerenchyma
- (c) leaves having stomata only on the upper side or none
- (d) poor fruit development

Answer: (b) plentiful xylem and sclerenchyma

13. Hydrophytes have

- (a) well developed roots
- (b) well developed stomata
- (c) less mechanical system as well as feebly developed vascular system
- (d) none

Answer: (c) less mechanical system as well as feebly developed vascular system

14. Which of the following is not the characteristic feature of the anatomy of xerophytes?

- (a) spongy parenchyma
- (b) well-developed conducting tissue
- (c) well developed mechanical tissue
- (d) thick cuticle

Answer: (a) spongy parenchyma

15. Which of the following is a xerophytic plant in which the stem is modified into a flat green and succulent structure?

(a) *Casuarinas*

(b) *Opuntia*

(c) *Hydrilla*

(d) *Acacia*

Answer: (b) *Opuntia*