**PAPER CODE:3626**

# B.Sc B.Ed. Sem. III Examination
## July-Sep-2021
## CC BOT-211: BOTANY (વનસ્પતિશાસ્ત્ર (

કુલ સમય :– ૬૦ મીનીટ  કુલ પ્રશ્નો : ૫૦  વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

**1.In which found a Spathe?**

**(A (Boganvallia (B( Foeniculum (C (Colocasia (D (Adhatoda**

**2. What bracts are found in sunflower?**

**(A (Petaloid (B (Spathe (C( Involucre (D (Foliaceous**

**3 . Not an example of a spike inflorescence.**

**(A (Achyranthus (B (Adhatoda (C (Caesalpinia (D (Gulchadi**

**4. Which inflorescence is found in Ixora?**

**(A (Scorpoid (B (Helicoid (C (Capitulum (D( Umbel**

**5 . Which inflorescence is found in Achyrenthus?**

**(A ( Raceme (B (Spike (C (Umbel (D (Corimb**

**6 Which is not an example of a epigynous flower?**

**(A (Guavya (B (Canna (C (Sunflower (D (Rose**

**7 Which accessory whorl is found in the crinum?**

**(A (Calyx (B ( Corolla (C (Perianth (D (Both (a) and (b)**

**8 . In which plant is the vexillum type petal found?**

**(A (Pea (B (Caesalpinia (C (Hibiscus (D (Acacia**

**9 . Example of vaxillary aestivation is?**

**(A (Petals of val (B( of hibiscus (C( Petals of caesalpinia (D (Sepals of calotropis**

**10 . A polydelphous androecium found in_____**

**(A (Indigofera (B (Bombex (C (Hibiscus (D (Coccinia**

**11 . Adnate anther found in_____.**

**(A (Rai (B (Lotus (C (Pesiflora (D (Crinum**

**12 Which is not a part of carpel?**

**(A (Stigma (B (Anther (C( Ovary (D (Style**

**13. What is the number of carpel in the marginal placentation?**

**(A (One (B (Two (C (Three (D (Five**

**14 . Axile placentation found in_____.**

**(A (Rose (B( Hibiscus (C (Rai (D( Sunflower**

**15 .Polynia is found in which plant?**

**(A (Ficus (B( Calotropis (C (Lemna (D( Hydrilla**

**16. In calotropis pollination is done by_____?**

**(A (water (B (Bees (C (wasp (D( wind**

**17. Transfusion tissue is found in which plant?**

**(A) Rhinia (B) Cycus (C) Vinca (D) Sunflower**

**18. In which age fossils of living beings are not found?**

**(A) Proterozoic (B) Palaeozoic (C) Archaeozoic (D) Mesozoic**

**19. What is the name of Lyginopteris seed?**

**(A) Lyginodendron oldhamia (B) Kaloxylon hookeri (C) Lagenostoma lomaxii (D) Crossotheca**

**20.Gymnosperm differs from angiosperm, why?**

**) A( Since the seed) B (Since the fruit) C( Since the open ovule) D (None of them**

**.21 Which one of the absent in Gymnosperm?**

**) A( Tracheids) B (Parenchyma) C (Fibers) D (Vassals**

**.22 In which form does pollination take place in Gymnosperm?**

**) A( Animal) B (Wind) C (Water) D ( Insects**

**.23 The algae in coralloid root in Cycus are _____.**

**) A( Nostoc) B (Oedogonium) C (Ectocarpus) D (Batrachoparpus**

**.24 The characteristics in Cycus are _____.**

**) A( Hydrophytes) B (Mesophytes) C (Xerophytes) D (Halophytes**

.25 Mention the function of transfusion tissue.

) A( Nutrition) B (Respiration) C (N2-fixation) D (Transpiration

.26 Which types of leaves in Cycus?

) A( Simple) B (Compound) C (Opposite) D (None of them

.27 Rhynia is a _____.

) A( Thallophyta) B (Bryophyta) C (Pteridophyta) D (Gymnosperm

.28 Type of vascular bundle in Rhynia is _____.

) A( Concentric) B (Conjoint) C (Radial) D (None of them

29. Which is the oldest age?

) A( Archaeozoic) B (Proterozoic) C (Mesozoic) D (Paleozoic

30. What era is going on now?

) A( Cenozoic) B (Proterozoic) C (Mesozoic) D (Paleozoic

31. સાયકસનો નરજન્યુ કયા પ્રકારનો હોય છે.

(A) Non flagellate (B) Biflagellate (C) Multiflagellate (D) Uuiflagellate

32. Give the name of inventor of Rhinia.

(A) Arnold (B) Kidston and leng (C) Campebel (D) Birbal Sahani

33. What is the name of the organ hold the ovules in cycus?

(A) Female cone (B) Megasporangium (C) Male cone (D) Microsporangium

34. Which plant originated in the Mesozoic era?

(A) Algae (B) Fungi (C) Gymnosperm (D) Angiosperm

35. What is the average amount of blood in a human body?

(A) 2 litter (B) 5 litter (C) 8 litters (D) 11 litter

36. Which bond in polysaccharide?

(A) Peptide (B) Hydrogen (C) Glycosidic (D) Astor

37. How many glucans are there in a micelle?

(A) 21000 (B) 7000 (C) 300 (D) 20

38. Second name of Hemicellulose _____

(A) Arebinose (B) Galacturonic acid (C) Glucan (D) Galactomannes

39. The two main stages of the cell cycle _____

(A) Meiosis & Mitosis (B) Interphase&Mitosis (C) Interphase&Cell division (D) G1 & S stages

40. Who introduced the sandwich model?

(A) Robertson (B) singar & nicolson (C) Deniely & Dowson (D) Over Stain

41. How much glucose makes a cellulose fiber?

(A) 1000-4000 (B) 8000-12000 (C) 4000-8000 (D) 12000-16000

42. What is the fluid in Desmo tube called?

(A) Cytosol (B) Schizogenous cavites (C) Annulus of cytosol (D) Plasma

43. How many atomic particals pass through the hole formed in the cell wall by plasmodesmata.

(A) 1500 dalton (B) 2000 dalton (C) 500 dalton (D) 1000 dalton

44. Which stage in cell division dose a certain number of chromosome kuntal break up?

(A) Telophase (B) Prophase (C) Metaphase (D) Anaphase

45. Plasmodesmata are made up of?

(A) Protein (B) lipid (C) Carbohydrate (D) Vitamin

46. According to the Thorp scientist, how many gluken chains are in a micro fiber?

(A) 210 (B) 21000 (C) 2100 (D) 210000

47. Chromosomes are arranged on an imaginary axis.

(A) Prophase (B) Metaphase (C) Anaphase (D) Telophase

48. State the duration of the cell cycle in cells in mammals.

(A) 16 hours (B) 24 hours (C) 90 minutes (D) 17 hours

49. Which model of plasma membrane gave by denial and Dawson?

(A) Fluid mosaic model (B) Sandwich model (C (Sover stain model (D) Unit membrane model

50. Middle lamella made up o which contain?

(A) Magnesium sulfate (B) Magnesium carbonate (C) Calcium carbonate (D) Calcium pactate