1.**Reddish colour in muriate of potash is due to _____**

A. KCl
B. Colour reagent
C. Impurities
D. All of the above

Ans. C

2. **Feldspars is primary mineral that occurs pre-dominantly in _____**

A. Igneous rock
B. Sedimentary rock
C. Metamorphic rocks
D. All of the above

Ans. A

3. **CO_2 content in rainwater is _____**

A. 0.35%
B. 0.45%
C. 0.25%
D. 0.15%

Ans. B

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4. **In which point resistant to wind erosion in soil**

A. **Permanent wilting point**
B. **Hygroscopic point**
C. **Field capacity**
D. **None of the above**

Ans. A

5. **Bedrock is absent in which soil?**

A. **Black soil**
B. **Red soil**
C. **Alluvial soil**
D. **Forest soil**

Ans. C

6. **Saline soil also known as _____**

A. **Solonchalk**
B. **Solonetz**
C. **Sodochalk**
D. **None of the above**

Ans. A

7. **Kari is the local name of _____**

A. **Acid soil**

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B. Saline soil
C. Acid sulfate soil
D. Alkali soil

Ans. C

8. The honey-comb structure found in _____

A. Alluvial soil
B. Black soil
C. Saline soil
D. Laterite soil

Ans. D

9. Which soil occur mainly a soil crust problem?

A. Sandy soil
B. Silty clay loam
C. Loamy soil
D. Clayey soil

Ans. B

10. Red colour of soil is due to _____

A. Hematite
B. Geothite

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C. Glauconite
D. Maghemite

Ans. A

11.Black colour of soil is due to _____
(A) Titaniferous magnetite
(B) Geothite
(C) Glauconite
(D) Organic matter

Ans. A

12. Total soil order found in world?
(A) 9
(B) 10
(C) 11
(D) 12

Ans. D

13. Flow of nitrogen in soil mainly due to _____
(A) Mass flow
(B) Diffusion
(C) Interception
(D) None of the above

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Ans. A

14. Micronutrient flow is mainly a _____ process in soil

(A) Mass flow
(B) Diffusion
(C) Interception
(D) None of the above

Ans. B

15. When organic matter added into the soil effect on bulk density

(A) Increased
(B) No effect
(C) Decreased
(D) Both A and C

Ans. C

16. Which factor is more responsible for black colour in kanhar (Vertisol) soil?

(A) Hematite
(B) Titaniferous magnetite
(C) Geotite

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(D) 5

Ans. D

20. Which Soil order is newly identified in Chhattisgarh?
(A) Entisol
(B) Mollisol
(C) Inceptisol
(D) Vertisoil

Ans. B

21. Which soil has low water and nutrient holding capacity of Chhattisgarh?
(A) Bhata
(B) Matasi
(C) Dorsa
(D) Kanhar

Ans. A

22. Bhata soil is also known as _____
(A) Clayey
(B) Clay loam
(C) Gravely

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(D) Sandy loam

Ans. C

23. Matasi soil is also known as _____
(A) Clayey
(B) Clay loam
(C) Gravely
(D) Sandy loam

Ans. D

24. Dorsa soil is also known as _____
(A) Clayey
(B) Clay loam
(C) Gravely
(D) Sandy loam

Ans. B

25. Kanhar soil is also known as _____
(A) Clayey
(B) Clay loam
(C) Gravely
(D) Sandy loam

Ans. A

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(D) Organic matter

Ans. B

17. Which factor is responsible for red colour in bhata (Entisol) soil?
(A) Hematite
(B) Geotite
(C) Maghemite
(D) Gibbsite

Ans. A

18. Yellow colour appear due to hydration of hematite found in which soil?
(A) Bhata (Entisol)
(B) Dorsa (Alfisol)
(C) Matasi (Inceptisol)
(D) Kanhar (Vertisol)

Ans. C

19. Soil order found in Chhattisgarh
(A) 2
(B) 4
(C) 3

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26. Which soil covers maximum area in Chhattisgarh?
(A) Bhata
(B) Matasi
(C) Dorsa
(D) Kanhar

Ans. B

27. Bhata soil covers area in Chhattisgarh of total area
(A) 12%
(B) 21%
(C) 39%
(D) 27%

Ans. A

28. Dorsa soil covers area in Chhattisgarh of total area
(A) 12%
(B) 21%
(C) 39%
(D) 27%

Ans. D

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29. Kanhar soil covers area in Chhattisgarh of total area
(A) 12%
(B) 21%
(C) 39%
(D) 27%

Ans. B

30. Total soil order found in India
(A) 13
(B) 5
(C) 9
(D) 12

Ans. C

31.Which one is lower category for classification of soil?
(A) Soil order
(B) Family
(C) Soil series
(D) None of the above

Ans. C

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32.Which clay mineral is responsible for cracking in black soil?
(A) Kaolinite
(B) Illite
(C) Vermiculite
(D) Montmorillonite

Ans. D

33. pH meter measures
(A) H ions activity
(B) H ions concentration
(C) Al ions
(D) All of the above

Ans. A

34. EC (electrical conductivity) meter measures
(A) Total salt in soil
(B) Soluble salt in soil
(C) Both the salt
(D) None of the above

Ans. B

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35. The unit used for the measurement of electrical conductivity is _____

(A) dS/m
(B) uS/cm
(C) mg/m
(D) Both A and B

Ans. D

36. Olsen method is used for phosphorus estimation

(A) Acidic soil
(B) Neutral to alkali soil
(C) Saline soil
(D) All of the above

Ans. B

37. Which method used for determination of available phosphorus in acid soil

(A) Bray
(B) Olsen
(C) Walkley and Black
(D) Jackson

Ans. A

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38. $KMnO_4$ (potassium permanganate) is used for _____

(A) Available nitrogen
(B) Organic carbon
(C) Available phosphorus
(D) Available potassium

Ans. A

39. Which instrument is used for the estimation of potash (K)

(A) Spectrophotometer
(B) Flamephotometer
(C) Colorimeter
(D) Atomic absorption

Ans. B

40. Spectrophotometer is used for determination of _____

(A) N
(B) P
(C) K
(D) All of the above

Ans. B

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41.Hyrbid rice for commercial production was first evolved in–

(A) India **(B) China✓**

(C) Japan (D) USA

42. If the rate of application per hectare is 3.00 kg a.i., the quantity of simazine WP (801'l'(J a.i.) required to be sprayed in 0.20 hectare area would be

(A) 0.50 kg **(B) 0.75 kg✓**

(C) 1.25 kg (D) 1.87 kg

43. Which one of the following has organic form of sulphur ?

(A) Purine **(B) Cysteine✓**

(C) RNA (D) Phytin

44. Which form of nitrogen is available in urea?

(A) Ammonical **(B) Amide✓**

(C) Nitrite (D) Nitrate

45. Application of potash increases–

(A) Disease resistance in plants✓ (B) Resistance for water logging

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(C) Frost resistance in plants (D) None of these

46. **Which of these herbicides is used to control weeds in zero tillage ?**
(A) Pendimethalin (B) Fluchloralin
(C) Paraquat✓ (D) Alachlor

47. **The crown roots in wheat appear**
(A) Above soil surface (B) Below soil surface but above seed✓
(C) Below soil surface and below seed (D) Below seed

48. **Which vegetable oil is good for heart patient?**
(A) Groundnut oil (B) Mustard oil
(C) Soybean oil (D) Sunflower oil✓

49. **UPAS 120 is a variety of–**
(A) Wheat (B) Pigeon pea✓
(C) Barley (D) Urd

50. **Among the following, which plants-nutrient elements reaches roots by the**

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process of diffusion ?

(A) Phosphorus✓ (B) Calcium

(C) Nitrogen (D) Potassium

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