



28. A body is moving along a circular path. How much work is done by the centripetal force?  
 a) -1J                      b) -2J                      c) 3J                      d) zero
29. A man does a given amount of work in 10s. Another man does the same amount of work in 20s. The ratio of the output power of the first man to that of second man is ----  
 a) 1                      b) 1:2                      c) 2:1                      d) 3:1
30. A material has poisson's ratio 0.5. If a uniform rod of it suffers a longitudinal strain of  $2 \times 10^{-3}$  then the percentage change in volume is -----.  
 a) 0.6                      b) 0.4                      c) 0.2                      d) zero
31. Average pressure  $P_{AV}$  is defined as -----.  
 a)  $P_{av} = \frac{F}{A}$                       b)  $P_{av} = \frac{V}{F}$                       c)  $P_{av} = \frac{A}{F}$                       d)  $P_{av} = \frac{F}{V}$
32. At atmospheric pressure, water boils at  $100^\circ\text{C}$ . If pressure is reduced then  
 a) It still boils at same temperature                      b) It now boils at a lower temperature  
 c) It now boils at a higher temperature                      d) It does not boil at all
33. Heat capacity of a substance depends on  
 a) The mass of the substance                      b) The temperature of the substance                      c) Both (a) and (b)                      d) Neither (a) nor (b)
34. If 150 J of heat is added to a system and the workdone by the system is 110J, then change in internal energy will be  
 a) 40J                      b) 110J                      c) 150J                      d) 260J
35. The average energy associated with each translational degree of freedom is -----.  
 a)  $\frac{3}{2} K_B T$                       b)  $K_B T$                       c)  $\frac{1}{2} K_B T$                       d)  $2K_B T$
36. When frequency of oscillations is high then motion is called -----.  
 a) Periodic                      b) Non-periodic                      c) Vibratory                      d) Rotatory
37. The equilibrium distance between the nuclei of two bonded atoms in a molecule  
 a) Bond order                      b) Bond angle                      c) Bond enthalpy                      d) Bond length
38. The measure of degree of randomness or disorder in the system -----.  
 a) Entropy                      b) Enthalpy                      c) Gibb's free energy                      d) Heat capacity
39. Chemical used in pollution control treatment of domestic and industrial effluents  
 a)  $\text{Na}_2\text{O}_2$                       b)  $\text{H}_2\text{O}_2$                       c)  $\text{D}_2\text{O}$                       d)  $\text{KO}_2$
40. Zeolite is -----.  
 a) Sodium aluminium borate                      b) Sodium aluminium silicate                      c) Aluminium phosphate                      d) Sodium aluminium sulphate
41. Equilibrium constant expression for a cuaseous system is  
 a)  $K'_c = 1/K_c$                       b)  $K_p = K_c RT^{\Delta n}$                       c)  $K = e^{-\frac{\Delta u^0}{RT}}$                       d)  $K_w = K_a X K_b$
42. A reagent that brings an electron pair  
 a) Electrophile                      b) Nucleophile                      c) Lewis acid                      d) Free radical
43. Lindlar's catalyst is -----.  
 a) Deactivated Charcoal                      b) Activated Charcoal                      c) Partiallydeactivated palladised charcoal                      d) Coke
44. Aqueous solution of  $\text{KMnO}_4$  is -----.  
 a) Catalyst                      b) Reducing agent                      c) Baeyer's reagent                      d) Enzyme
45. Phenolic - OH group is  
 a) Deactivating group                      b) Meta directing group                      c) Ortho, para directing group                      d) Para directing group
46. Silicon dioxide is commonly known as -----.                      a) Silicones                      b) Silicates                      c) Silica                      d) Zeolites
47. Co and  $\text{H}_2$  together is known as -----.  
 a) Marsh gas                      b) Producer gas                      c) Water gas                      d) Biogas
48. Dry ice is used as -----.  
 a) Drying agent                      b) Refrigerant                      c) Catalyst                      d) Fuel
49. Acetyl CoA forms a 6-c compound after combining with-----.  
 a) Oxygen                      b) Pyruvic acid                      c) Citric acid                      d) Oxaloacetic acid
50. Neurilemmo cells are also called -----  
 a) Photoreceptors                      b) Odontoblasts                      c) Ganglions                      d) Schwann cells
51. ----- secretes glucagon hormone.                      a) Thyroid gland                      b) Pituitary gland                      c) Liver                      d) Pancreas
52. Salamander belongs to the class -----                      a) Pisces                      b) Aves                      c) Reptiles                      d) Amphibians
53. ----- is an edible underground stem                      a) Potato                      b) Ground nut                      c) Sweet potato                      d) Carrot
54. The condensation of chromosomes is observed in -----.  
 a) Prophase 1                      b) Anaphase 1                      c) Metaphase 1                      d) None of the above
55. Micro filaments are composed of a protein called-----.  
 a) Tubulin                      b) Actin                      c) Myosin                      d) Chitin
56. Select a food borne toxin                      a) Botulinum toxin                      b) Tetanus toxin                      c) Diphtheria toxin                      d) Cholera toxin
57. ----- form clots when blood vessels get damaged.  
 a) Platelets                      b) Cellulose                      c) Haemoglobin                      d) None of the above
58. Blue green algae nitrogen fixation occurs in specialized cells called -----.  
 a) Harmogonia                      b) Akinetes                      c) Heterocysts                      d) Zygosporos
59. Intercalary meristem is a derivative of:  
 a) Lateral meristem                      b) Secondary meristem                      c) Primary meristem                      d) Promeristem
60. The difference between systolic and diastolic pressure in human is:  
 a) 40 mm Hg                      b) 80 mm Hg                      c) 120 mm Hg                      d) 1200 mm Hg

STD: XI (CON)  
03.03.20

1. What is the theme of the story The Portrait of a Lady?  
a) Friendship            b) Unkindness            c) Meanness            d) Indifference
2. Who is the writer of we're not afraid to die .....?  
a) Gordon cook and Alan East            b) James Cook and Joseph Henry  
c) Alan Moses and Henry John            d) Carol Cook and Alan Gordon
3. Who is the engine of the family in Laburnum top?            a) Goldfinch    b) Lizard            c) Snake            d) Peacock
4. Who was the first mummy in the prose Discovering Tut: the Saga Continues?  
a) Tutenkhamen            b) Akhenaten            c) Howard Carter            d) Zahi Hawass
5. "The voice of the Rain" is a short free-verse poem by the American poet -----.  
a) Robert frost            b) Walt Whitman            c) Henry William            d) Carol Cook
6. Shanshui is the concept in -----.  
a) European culture    b) Aborigines            c) Chinese Culture            d) Indian Culture
7. What is the theme of the play Mothers Day?  
a) Housewife            b) Friendship            c) Empowerment            d) The Status of Women
8. Taplon in the prose 'The Browning Version' waiting for -----  
a) Millie            b) Mr. Frank            c) Mr. Crocker Harris    d) Mrs. Dorris
9. Who was Ratna?  
a) The niece of Rama Rao    b) The mother of Rama Rao    c) A friend            d) The neighbour
10. What was the child suffering from?  
a) Fever            b) Stomach ache            c) Diarrhea or diarrhoea            d) Asphyxia pallida
11. Gangadharpanth Gaitonde is known as a professor of -----.  
a) English            b) History    c) Hindi            d) French
12. Who wrote Albert Einstein at school?  
a) Walt Whitman            b) Robert Frost            c) Partrick Pringle            d) A.R. William
13. Which is the first step of accounting process?  
a) Journalizing            b) Posting to ledger            c) Analysis and Interpretation            d) Communicating the results
14. Which of the following is not an example of current liability?  
a) Creditors            b) Bank overdraft            c) Bills payable            d) Bills receivable discounted with bank
15. Which of the following is not a fundamental accounting assumption?  
a) Going concern            b) Accural            c) Consistency            d) Verifiable objective evidence
16. What are the documents called which provide evidence of the transactions?  
a) Source documents    b) Voucher            c) Both a and b            d) None of the above
17. Which of the following errors affect the trial balance?  
a) Errors in posting    b) Errors in carrying forward            c) Both (a) and (b)            d) None of the above
18. Which of the following accounting standards and governs depreciation?  
a) AS -1            b) AS - 3            c) As - 6            d) As - 9
19. Income statement consists of -----.  
a) Trading account    b) Trial balance    c) Balance sheet    d) All the above
20. The difference in trial balance is taken to -----  
a) The capital Account    b) The trading Account            c) The suspense Account            d) The profit and loss Account
21. A transaction not recorded at all is known as an error of -----  
a) Principle            b) Complete Omission            c) Partial Omission            d) Duplication
22. The total of purchase book was overcast. Which of the following accounts should be debited in the rectifying journal entry?  
a) Purchases account            b) Suspense account            c) Creditor account            d) None of the above
23. Expenditure incurred ₹20,000 for trial run of a newly installed machinery will be  
a) Preliminary expense            b) Revenue expenditure            c) Capital expenditure    d) Deferred revenue expenditure
24. Revenue expenditure is intended to benefit  
a) Past period            b) Future period            c) Current period            d) Any period
25. The set of instructions given to a computer called as -----  
a) Program    b) ALU    c) CPU    d) Storage
26. Which utility software detects and removes computer virus?  
a) Anti virus            b) Backup utility            c) Disk cleaner            d) None of these
27. The smallest individual unit in a program is called -----  
a) Literals    b) Tokens    c) Data types    d) Strings
28. The input ( ) function always returns a value of ----- type.  
a) String    b) Numeric    c) Floating point    d) Boolean
29. The ----- datatype allow only True/False values -----.  
a) Bool    b) Boolean    c) String    d) None
30. ----- is a null operation            a) Break            b) Continue            c) Pass            d) Jump
31. By default the range of values in for loop starts from ----- in every iteration            a) -1    b) 1    c) 0    d) 10

32. ----- represents empty dictionary a) [] b) {} c) () d) .

33. Which of these functions is used with dictionaries in python?

a) Min() b) Insert() c) Max () d) Keys ()

34. DBMS stands for -----

a) Data Management System b) Database Management System c) Data Memory System d) None of the above

35. Which command is used to insert a new record in a table? a) Add b) Insert into c) Insert d) New

36. Which of the following activity befools the victim by convincing that the site is real and legitimate by spoofing or looking almost identical to actual site? a) Eaves dropping b) Phishing c) Pharming d) PC Intrusion

37. The word ' Economics is most closely connected with the word a) Free b) Scarcity c) Unlimited d) Restricted

38. Which one of these is a determinant of Individual Demand?

a) Size and composition of population b) Season and weather c) Distribution of Income d) None of these

39. A negative sign with coefficient of price elasticity of demand denotes:

a) Direct relation between price and quantity demanded b) Inverse relation between price and quantity demanded

c) No relation between price and quantity demanded d) None of these

40. What happens to AP, when MP is more than AP? a) AP rises b) AP falls c) AP remains Constant d) None of these

41. Area under MC curve is equal to a) TVC b) AFC c) AVC d) AC

42. The profits of a firm diminishes when ----- exceeds -----

a) Marginal Revenue, Marginal Cost b) Marginal Cost, Marginal Revenue

c) Marginal Revenue, Average cost d) Average Revenue, Average Cost

43. The given supply schedule represents -----

Price (₹)	20	20
Supply (Units)	100	120

a) Expansion in supply b) Increase in supply c) Contraction in supply d) Decrease in supply

44. Which average is affected most by the presence of extreme items ?

a) Median b) Mode c) Arithmetic mean d) None of the above

45. Of the following three measures which can measure any type of relationship?

a) Karl Pearson's co-efficient of correlation b) Spearman's rank correlation c) Scatter Diagram d) None

46. When economic facts are expressed in statistical terms, they become:

a) Vague b) Exact c) Convincing d) Futile

47. Which type of question are difficult to interpret and hard to score?

a) Two way questions b) Multiple choice questions c) Close ended questions d) Open-ended questions

48. Sampling errors arise due to:

a) Non-response b) Bias in selection

c) Differenece between the actual value of a parameter of the population and its estimate d) None of the above

49. A partner whose association with the firm is unknown to the general public is called -----

a) Active partner b) Sleeping partner c) Nominal partner d) Secret partner

50. Disinvestments of PSE's implies -----.

a) Sale of equity shares to Private sector / Public b) Closing down operations

c) Investing in new areas d) Buying shares PSE's

51. The payment mechanism typical to e-business -----.

a) Cash on Delivery (COD) b) Cheques c) Credit and Debit cards d) e-cash

52. Application for approval of name of a company is to be made to -----.

a) SEBI b) Registrar of companies

c) Government of India d) Government of the state in which company is to be registered.

53. Equity shareholders are called -----.

a) Owners of the company b) Partners of the company c) Executives of the company d) Guardian of the company

54. Which one is not a part of unorganized sector of financial intermediaries?

a) Indigenous Bank b) Commercial Banks c) Pawn Brokers d) Landlords

54. A business has two set of objectives one is social and another is economic objective. Which of the following is not an economic objective of a business?

a) Productivity b) Manager's Development c) Market Standing d) Employee welfare

55. ----- are formed by a special Act of Parliament. They are independently financed

a) Government companies b) Statutory corporations c) Departmental Undertaking d) Public company

56. A saving scheme run by post offices in India in which the invested money is doubled in eight years and seven months is -----.

a) Kisan Vikas Patra b) National Savings Scheme c) National Savings Certificate d) Fixed Maturity Investment Scheme

57. Which of the following goods is/are exempted from GST? a) Vegetables b) Fruits c) Firewood d) All of these

58. Which of the following is/are the example(s) of chain stores?

a) Bata showroom b) Dominos c) Raymond shop d) All of these

59. Mr. Kumar buys and sells shares and securities of various companies online, through a platform provided by the Bombay Stock exchange. Mr. Kumar is engaged in which of the following applications of e-business?

a) E-Procurement b) E-Trading c) E - Bidding d) None of these

