

38/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The first temple consecrated by Sree Narayana Guru was at
(A) Aruvippuram (B) Varkkala
(C) Chempazhanthi (D) Sivagiri
2. The book not related to Vagbhatananda :
(A) Atma Vidya (B) Iswara Vicharam
(C) Moksha Pradeepam (D) Manasa Chapalyam
3. Ashtamudi Kayal is flowing through :
(A) Pathanamthitta (B) Kasargodu
(C) Thiruvananthapuram (D) Kollam
4. Sadujana Paripalana Sangam was founded by :
(A) Dr. Palpu (B) Ayyankali
(C) Ambedkar (D) Phule
5. The name of Pre Monsoon Summer Rains of Kerala :
(A) Tornado (B) Mango Shower
(C) Norwesters (D) The Loo
6. Black soil is found in :
(A) Kottarakkara (B) Kappadu
(C) Paravur (D) Chittur
7. Who was known as Kerala Lincoln?
(A) K. Kelappan (B) K.P. Kesava Menon
(C) Pandit K.P. Karuppan (D) N. Krishna Pillai

8. Headquarters of Kerala Forest Development Corporation is at :
- (A) Thiruvananthapuram (B) Kottayam
(C) Wayanadu (D) Pathanamthitta
9. The only poet in Malayalam who became Mahakavi without writing a Mahakavyam :
- (A) Vallathol (B) Changampuzha
(C) Kumaranasan (D) Cherussery
10. The Founder and Publisher of the newspaper Swadeshabhimani :
- (A) Ramakrishna Pillai (B) Vakkom Moulavi
(C) Abdul Rahman Saheb (D) Balakrishna Pillai
11. Who is known as Father of Local Self Government?
- (A) Lord Cornwallis (B) Mountbatten
(C) Lord Rippon (D) Lord Litton
12. Which is known as Science City of India?
- (A) Delhi (B) Mumbai
(C) Hyderabad (D) Kolkatta
13. First women receive Bharat Ratna :
- (A) Indira Gandhi (B) Sarojini Naidu
(C) Aruna Asafali (D) Latha Mangeshkar
14. World Population Day celebrated on :
- (A) June 11 (B) July 11
(C) Sept. 21 (D) Jan. 21
15. "Planned Economy of India" was written by :
- (A) Dr. Homi J. Bhaba (B) R.C. Dutt
(C) Dadabhai Naoroji (D) M. Visveswarayya
16. How many gold medals did Kerala won in National School Athletics meet in Ranchi?
- (A) 40 (B) 35
(C) 28 (D) 38

17. Which Bollywood Actress has honored in the House of Commons, London?
(A) Kareena Kapoor (B) Kajol
(C) Karishma Kapoor (D) Maneesha Koyrala
18. In which state is the Election commission planning to use Voter Verifiable Paper Audit Trial (VVPAT) system for the first time in the country?
(A) Bihar (B) Nagaland
(C) Kerala (D) Karnataka
19. Nouri-Al-Maliki Prime Minister of _____ recently visited India.
(A) Iran (B) China
(C) Iraq (D) Korea
20. Last Test Match in Sachin Tendulkar's career was held at :
(A) Calcutta (B) Kochi
(C) Mumbai (D) Delhi
21. The waves used in telecommunication is :
(A) infra red (B) ultra violet
(C) microwaves (D) cosmic rays
22. Photo electric effect can be explained on the basis of :
(A) Quantum theory (B) Corpuscular theory
(C) Wave theory (D) Electromagnetic theory
23. After two hours $\frac{1}{16}$ th of the radio active isotope remains undecayed. Half life of the isotope is :
(A) 12 minutes (B) 45 minutes
(C) One hour (D) 30 minutes
24. Light year is the unit of :
(A) Time (B) Distance
(C) Speed (D) Mass

25. A good insulator of heat is :
- (A) copper (B) mercury
(C) trapped air (D) iron
26. The linear product obtained by the condensation polymerization of phenol and formaldehyde is :
- (A) Nylon 6, 6 (B) Bakelite
(C) Novolac (D) Melamine
27. The Micelles (associated colloids) are formed only above a particular temperature called :
- (A) Curie temperature (B) Kraft temperature
(C) Boyle temperature (D) Critical temperature
28. The method used for refining semiconductors known as :
- (A) Van Arkel method (B) Mond process
(C) Electrolytic refining (D) Zone refining
29. Which of the following is known as 'syngas'?
- (A) $\text{CO} + \text{H}_2$ (B) $\text{CO} + \text{N}_2$
(C) $\text{CO} + \text{Cl}_2$ (D) $\text{CO} + \text{O}_2$
30. Which of the following hydride can act as a Lewis acid?
- (A) HF (B) B_2H_6
(C) NH_3 (D) CH_4
31. Pollen grains in the angiosperm represent :
- (A) Male gamete (B) Microsporophyll
(C) Microsporangium (D) Male gametophyte
32. Which of the following hormones owes its discovery to tissue culture technique?
- (A) Auxin (B) Cytokinins
(C) Abscisic acid (D) Gibberellin

33. International Rice Research Institute is at :
- (A) Manila (B) New Delhi
(C) Tokyo (D) New York
34. Biopesticides are produced by :
- (A) *Pseudomonas Sp.* (B) *Bacillus anthracis*
(C) *Bacillus thuringiensis* (D) *Agrobacterium tumefaciens*
35. Which one of the following gymnosperm is said to have double fertilizations?
- (A) Ephedra (B) Pinus
(C) Ginko (D) Cycas
36. A phylum with pseudocoelom :
- (A) Platyhelminthes (B) Annelida
(C) Aschelminthes (D) Arthropoda
37. The British ecologist who tested the hypothesis of 'Industrial melanism' :
- (A) Alexander von Humboldt (B) Barnard Kettlewell
(C) Hugo de Vries (D) Charles Darwin
38. The lobe of the brain that can decode and interpret visual information :
- (A) Frontal (B) Parietal
(C) Temporal (D) Occipital
39. After ovulation corpus luteum formed in the ovary releases :
- (A) Progesterone (B) Estrogen
(C) Testosterone (D) Aldosterone
40. Opioids are obtained from :
- (A) *Claviceps purpurea* (B) *Erythroxylum coca*
(C) *Cannabis sativa* (D) *Papaver somniferum*
41. Which of the following is the heat regulating centre in man?
- (A) Liver (B) Cisterna magni
(C) Medulla oblongata (D) Hypothalamus

42. Dorsalis pedis is the pulse felt over :
(A) Upper limb (B) Neck
(C) Lower limb (D) Trunk
43. Inflammation of the tongue is known as :
(A) gingivitis (B) glossitis
(C) halitosis (D) angulostomatitis
44. Mantoux test is the sensitivity test for :
(A) Allergic disorders (B) Tuberculosis
(C) AIDS (D) Bronchial asthma
45. The characteristic fever found in Typhoid is :
(A) intermittent fever (B) continuous fever
(C) relapsing fever (D) step ladder fever
46. Vastus lateralis is a site lot
(A) intravenous injection (B) subcutaneous injection
(C) intramuscular injection (D) intradermal injection
47. The difference between systolic and diastolic blood pressure is known as :
(A) Pulse difference (B) Cardiac pressure
(C) Systolic pressure (D) Pulse pressure
48. Where is Cardiac sphincture located?
(A) Heart (B) Lungs
(C) Liver (D) Stomach
49. Tunica adventitia is a layer of :
(A) Testis (B) Blood vessels
(C) Uterus (D) Lungs
50. Deficiency of which vitamin causes Scurvy?
(A) Vitamin A (B) Vitamin B
(C) Vitamin C (D) Vitamin D

51. The antidote of organophosphorous poisoning is :
- (A) Adrenaline (B) Dopamine
(C) Atropine (D) Sodium bicarbonate
52. Which of the following is a fracture in which bone is shattered into numerous fragments?
- (A) Avulsion fracture (B) Comminuted fracture
(C) Displaced fracture (D) Spiral fracture
53. Potassium intake is restricted in :
- (A) Liver failure (B) Cardiac failure
(C) Lung failure (D) Renal failure
54. Which of the following is a risk factor for development of breast cancer ?
- (A) No pregnancies (B) Early first pregnancy
(C) Late Menarche (D) Early menopause
55. Small painful nodes on fingers and toes called Osler's nodes are seen in :
- (A) Infective endocarditis (B) Cardiomyopathy
(C) Pericarditis (D) Myocarditis
56. Which is the most lethal arrhythmia?
- (A) Ventricular tachycardia (B) Sinus arrhythmia
(C) Atrial fibrillation (D) Ventricular fibrillation
57. Classic barrel shaped chest is seen in patients with :
- (A) Congestive cardiac failure (B) Pulmonary effusion
(C) COPD (D) Bronchiectasis
58. After a radical mastectomy with lymph node removal, which of the following measures help to prevent lymphoedema?
- (A) Restricting all movements of the arm (B) Raising arm above heart on pillows
(C) Warm moist heat application (D) Placing arm close to body in sling

59. The normal adult intracranial pressure is :
- (A) 0-15 mm of Hg (B) 80-100 mm of Hg
(C) 20-40 mm of Hg (D) 60-70 mm of Hg
60. Which of the following procedure is used to correct otosclerosis?
- (A) Myringotomy (B) Stapedectomy
(C) Myringoplasty (D) Mastoidectomy
61. Which of the following is a neural tube defect?
- (A) Meningitis (B) Meningocele
(C) Scoliosis (D) Encephalitis
62. Management of Immune Thrombocytopenic Purpura is :
- (A) Radiation therapy (B) Bone marrow transplantation
(C) Steroid therapy (D) Chelation therapy
63. The age of administration of measles vaccine is :
- (A) 3 months (B) 9 months
(C) 18 months (D) 6 months
64. Typical type of play in a toddler is :
- (A) Co-operative play (B) Associative play
(C) Onlooker play (D) Parallel play
65. Normal head circumference of a newborn is :
- (A) 31-33 cm (B) 33-35 cm
(C) 30-32 cm (D) 35-37 cm
66. Which of the following is an activity of underfive clinics?
- (A) Mid day meal programme (B) Child education
(C) School health services (D) Growth monitoring
67. "Flag sign" is a characteristic feature of which disease?
- (A) Kwashiorkor (B) Rickets
(C) Marasmus (D) Poliomyelitis