

Q-DS-2017

SERIES :

B

0

SERIAL NO: 0139

Time Allowed: Two Hours

Maximum Marks: 100

I N S T R U C T I O N S

DO NOT OPEN THIS QUESTION BOOKLET SEAL UNTIL YOU ARE TOLD TO DO SO

1. Immediately after the commencement of the examination, you should check that this Test Booklet does not have any unprinted or torn or missing pages or items, etc. If so, get it replaced by a complete Test Booklet.
2. Encode clearly the Test Booklet Series **A, B, C or D** as the case may be in the appropriate place in the OMR Answer Sheet.
3. Write your Roll Number on the Test Booklet in the Box provided alongside.
4. This Test Booklet contains 100 items (questions). Each item comprises four responses (answers) written as **(a), (b), (c) and (d)**. You will select the response which you feel is correct and want to mark on the answer sheet.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. Also read the directions in the Answer Sheet. Fill in all the entries in the Answer Sheet correctly, failing which your Answer Sheet shall not be evaluated.
6. Count the number of questions attempted carefully and write it down in the space provided in the OMR Sheet. This has to be verified by the Invigilator before leaving.
7. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded you should hand over to the Invigilator the Answer Sheet (in original). **You are permitted to take away 2nd Copy of OMR Answer Sheet and the Test Booklet.**
8. All items carry equal marks.
9. Candidature would be cancelled in case of non-compliance with any of these instructions.
10. **Penalty for wrong answers:**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE AS BELOW.
 - (i) For each question answered incorrectly, **0.5 marks will be deducted** as penalty.
 - (ii) If a candidate selects more than one answer out of the four probable answers to a question, it will be treated as a **wrong answer** even if one of the given answer happens to be correct and 0.5 marks deducted.
 - (iii) No negative marks will be allotted if a question is left blank, i.e. there will be no penalty for that question.

"Mobile phones, calculators, IT gadgets, smart watch and any other electronic device such as Bluetooth, etc. are not allowed inside the premises where the examination is being conducted. Any infringements of these instructions shall entail disciplinary action including ban from future examinations."

1. Whole genomic probes commercially available for detection of Aa, Pg, Pi and Td
 - (a) Periogard
 - (b) Periocheck
 - (c) Perioscan
 - (d) DMDx
2. Alternative hypothesis is denoted by
 - (a) H_0
 - (b) H_1
 - (c) H_2
 - (d) H_a
3. The test commonly used to check if two population distribution are identical
 - (a) Wilcoxon signed rank test
 - (b) Median test
 - (c) Kruskal wallis test
 - (d) Fried man test
4. The concept of lingual occlusion was put forward by
 - (a) Gysi
 - (b) McCollumn
 - (c) Sears
 - (d) Payne
5. Modification in Kennedy's classification is
 - (a) Number of spaces present anterior to the remaining teeth
 - (b) Number of spaces present after the basic classification
 - (c) Edentulous spaces posterior to all the teeth
 - (d) Additional spaces in class IV
6. A mucostatic impression is one that produces
 - (a) Maximum tissue displacement
 - (b) Slight tissue displacement
 - (c) Least amount of tissue displacement
 - (d) No displacement at all
7. Chamfer finish line is used in
 - (a) Lingual surface of metal ceramics
 - (b) Facial surface of metal ceramics
 - (c) Facial surface of all ceramics
 - (d) Lingual surface of all ceramics
8. Efficiency of bur is mainly determined by
 - (a) Taper angle
 - (b) Head length
 - (c) Spiral angle
 - (d) Head diameter
9. Advantage of U shaped palatal strap is increased
 - (a) Rigidity
 - (b) Support
 - (c) Stability
 - (d) Comfort
10. Dentogenic concept of arrangement of teeth was given by
 - (a) Frush and Fischer
 - (b) Fish
 - (c) Bennet
 - (d) Christen
11. Muscle which influences in the formation buccal frenum of maxilla
 - (a) Levator anguli oris
 - (b) Quadratus labii superioris
 - (c) Triangularis
 - (d) Inferioris
12. Calcium hydroxide is used for pulp capping because it
 - (a) Provides good thermal insulation
 - (b) Provides soothing action on pulp
 - (c) Provides irritant action on pulp
 - (d) All of the above
13. Which nerve fibres are involved in cases of deep carious lesion approaching pulp , when the pain is referred to adjacent teeth
 - (a) B fibres
 - (b) C fibres
 - (c) A Beta fibres
 - (d) A Delta fibres
14. Protapers having same tip diameter are
 - (a) Sx – S1
 - (b) S1 – S2
 - (c) Sx – S2
 - (d) S2 – F1
15. Concentration of Sodium hypochlorite in caridex
 - (a) 0.5%
 - (b) 1%
 - (c) 2%
 - (d) 3-5%
16. GP is selected as master cone because
 - (a) It suits root canal anatomy like standard instrument size
 - (b) Useful in narrow tortuous and curved canal
 - (c) It is rigid and has strength
 - (d) It is flexible

47. The formation of tooth germ of the permanent central incisor is seen at
 (a) 3.5 to 4 months in utero
 (b) 5 to 5.5 months in utero
 (c) 5.5 to 6 months in utero
 (d) At birth
48. The maximal concentration of Nitrous Oxide for sedation of children in dental office
 (a) 35%
 (b) 70%
 (c) 50%
 (d) 30%
49. Ephebodontics is the science of dentistry which deals with
 (a) Infants
 (b) Toddlers
 (c) Adolescents
 (d) Adults
50. Which of the following professionally applied fluorides has the disadvantage of causing staining on the margins of restorations
 (a) 2% NaF
 (b) 8% Sn F₂
 (c) 1.23% APF
 (d) Bi fluoride varnish
51. According to Nolla's stages of tooth development, two thirds root completion occurs at
 (a) Stage 5
 (b) Stage 6
 (c) Stage 9
 (d) Stage 8
52. Children with cleft lip/palate are at increased risk for
 (a) Otitis media and hearing loss
 (b) Xerostomia
 (c) Anemia
 (d) Hand and foot malformations
53. Incisor liability in the maxillary arch is _____ mm and _____ mm in the mandibular arch
 (a) 6.0, 7.6
 (b) 6.7, 6.0
 (c) 7.6, 6.0
 (d) 7.2, 6.7
54. The most potent bone resorbing interleukin is
 (a) IL-8
 (b) IL-1b
 (c) IL-5
 (d) polymorphonuclear leukocyte
55. Gingivectomy is contraindicated in
 (a) Gingival hyperplasia
 (b) Suprabony defects
 (c) Infrabony pockets
 (d) Phenytoin induced gingival hyperplasia
56. The HLAs associated with aggressive periodontitis are
 (a) HLA A9 & B 15
 (b) HLA A2
 (c) HLA D
 (d) HLA X
57. Major complication in the treatment of furcations is that
 (a) Deep pockets
 (b) Less amount of vascular bed
 (c) Root trunk length
 (d) Interradicular dimension
58. Lasers used for caries removal and cavity preparation
 (a) Nd:Yag lasers
 (b) CO₂ lasers
 (c) Er-YAG lasers
 (d) Diode lasers
59. Contraindication for surgical crown lengthening procedure is
 (a) Subgingival caries or fracture
 (b) Inadequate clinical crown length
 (c) Surgery would create an unesthetic outcome
 (d) Unequal or unesthetic gingival heights
60. The interproximal papilla always filled the embrasure space when the gingival margin to alveolar bone distance was
 (a) 5-6 mm
 (b) = 5 mm
 (c) 6.5 mm
 (d) 7 mm
61. The deodorizing agent containing tea extracts used for halitosis is
 (a) Dehydroascorbic acid
 (b) Methionine
 (c) Epigallocatechin
 (d) Methyl mercaptan

62. Second generation apex locators work on the principle of
- Electrical resistance
 - Electrical conductance
 - Electrical impedance
 - Circuit breaker
63. Following material is mistaken for caries on radiograph
- Calcium hydroxide
 - Zinc phosphate
 - Zinc oxide eugenol
 - Zinc polycarboxylate
64. Resistance form of cavity preparation is that form which
- Prevents the injury to periodontium
 - Prevents the displacement of restoration
 - Prevents the fracture of restoration as well as tooth structure from abnormal forces
 - All of the above
65. Highest pulp horn in mandibular molar is
- Mesiobuccal
 - Mesiolingual
 - Distobuccal
 - Distolingual
66. Pain in cracked tooth syndrome is
- Continuous in nature
 - Variable as the name indicated
 - Elicited mainly when pressure is applied
 - Elicited mainly when applied pressure is released
67. Which of the following brain tumors does not spread via CSF
- Germ cell tumors
 - Medulloblastoma
 - CNS lymphoma
 - Craniopharyngioma
68. If 'E' is the exposure factor and 'D' is the disease then E C D represents which relationship
- Indirectly causal
 - Directly causal
 - Independently causal
 - Effect modification
69. 'Oral health for a healthy life' was the World Health Day theme in the year
- 1978
 - 1983
 - 1994
 - 2000
70. Guerin's Fracture is also known as
- Lefort I
 - Lefort II
 - Lefort III
 - Zygomatic Complex Fracture
71. Pain related to orthodontic treatment is due to
- Hyalinised areas
 - Undermined areas
 - Tension of the periodontal ligament
 - Pressure on the periodontal ligament
72. NiTi alloys at lower temperatures and higher stress _____ form is stable.
- Austenitic
 - Martensitic
 - Both forms
 - None of the above.
73. Growth of neural tissues nearly complete by.
- 5-6 years of age.
 - 6-7 years of age.
 - 7-8 years of age.
 - 8-9 years of age.
74. The perichondrium of Meckel's Cartilage persists as.
- Stylomandibular ligament.
 - Shenomandibular ligament.
 - Temporomandibular ligament.
 - Perimandibular ligament.
75. New born infants are.
- Obligatory nasal breathers.
 - Obligatory mouth breathers.
 - Can be both.
 - Do mouth breathing if nasal passages are blocked at birth.
76. Primate spaces in deciduous dentition are.
- Unusual and occur distal to maxillary canine and mesial to mandibular canine.
 - Normal finding and occur distal to maxillary canine and mesial to mandibular canine.
 - Normal finding and occur mesial to maxillary canine and distal to mandibular canine.
 - Unusual and occur mesial to maxillary canine and distal to mandibular canine.

77. An ideal wire for orthodontic use should have following properties?
- Good formability but less strength.
 - Good formability with good strength.
 - Good formability with good strength and range.
 - Good formability and range but less strength.
78. When stress is not greater than proportional limit this energy is known as
- Resilience
 - Toughness
 - Flexibility
 - Strength
79. Type IV gypsum may also be referred to as
- Plaster
 - Dental stone
 - Dental Stone High Strength
 - Improved Stone
80. Herpetic gingivostomatitis is differentiated from Erythema multiformae by
- Prodromal phase in Herpetic gingivostomatitis
 - Lack of skin involvement in Herpetic gingivostomatitis
 - Larger ulcers, that bleeds on touch and lip crusting in erythema multiforme
 - All the above
81. What is the pH at which initiation caries begins
- 3.5-4.5
 - 4.3-4.5
 - 4.9-5.1
 - 5.2-5.5
82. Juvenile periodontitis is seen in
- Cleidocranial dysplasia
 - Downs syndrome
 - Craniosynostosis
 - Caffeys disease
83. Burning mouth syndrome can be differentiated from other oral burning conditions by
- Presence of oral ulcers
 - Presence of candidial infection
 - Drinking or eating temporarily alleviates symptoms
 - It interferes with sleeping
84. Which of the following secretory component of salivary glands is affected first during radiotherapy
- Serous acini
 - Mucous acini
 - Intercalated duct cells
 - Myoepithelial cells
85. Oral ulcers which occurs in groups, persist for about 6 weeks and leave scars on healing are:
- Recurrent aphthous major
 - Recurrent aphthous minor
 - Recurrent herpetiform ulcers
 - Acute herpetic gingivostomatitis
86. Immune enhancing drug useful for treatment of aphthous ulceration is
- Zinc sulphate
 - Silver nitrate
 - Levamisole
 - Triamcinolone

87. Probability sampling technique includes
- Convenience sampling
 - Purposive sampling
 - Cluster sampling
 - Quota sampling
88. The buffering capacity of saliva is mainly due to the
- Bicarbonates
 - Phosphates
 - Proteins
 - All of the above
89. Metallic taste in saliva after use of SnF₂ is due to
- Stannous triphosphate
 - Stannic triphosphate
 - Tin hydroxyl phosphate
 - Stannous hydroxide
90. During mixed dentition stage which of the following appliance should be used as a space maintainer for missing primary molars in mandibular arch
- Distal shoe
 - Nance holding appliance
 - Passive lingual arch
 - Removable functional acrylic
91. Brushing should not be done immediately after rinsing with chlorhexidine mouthwash because
- Chlorhexidine is bitter in taste
 - Chlorhexidine alters taste
 - Chlorhexidine is inactivated by most dentrifice surfactants
 - There is superficial desquamation of tissue
92. The relative risk of development of cancer in a patient of Peutz-Jeghers Syndrome when compared with a healthy non affected individual is:
- 5 fold
 - 10 fold
 - 15 fold
 - 20 Fold
93. Histological appearance of 'Lava flowing around boulders' is seen in:
- Regional Odontodysplasia
 - Dentin Hypocalcification
 - Dentinogenesis Imperfecta
 - Dentin Dysplasia
94. The characteristic 'Starry Sky' appearance in Burkitt's Lymphoma is due to histological appearance of:
- T- lymphocytes
 - B-lymphocytes
 - Cytotoxic T-lymphocytes
 - Macrophages
95. A class III cytological smear denotes:
- A normal smear
 - Few malignant cells seen and biopsy is mandatory
 - Cells are obviously malignant and biopsy is mandatory
 - Cells display wider atypia and biopsy is recommended
96. Cotton wool appearance of bone on radiograph is seen in:
- Fibrous Dysplasia
 - Sclerosing osteomyelitis
 - Vitamin D resistant rickets
 - Paget's disease
97. Histologically, 'Supra basilar split' is seen in
- Pemphigus Foliaceus
 - Pemphigus Vulgaris
 - Paraneoplastic Pemphigus
 - Familial Benign Pemphigus
98. The following stage/stages of Acquired Syphilis is/are infectious:
- Primary stage
 - Primary stage & Metastatic stage
 - Primary stage, Metastatic stage & Late Syphilis
 - Metastatic stage and Late Syphilis
99. Preferred method of restoring young permanent teeth with minimal caries adjacent to susceptible fissures
- Preventive resin restoration
 - Sandwich technique
 - Stainless Steel Crowns
 - Interim therapeutic technique
100. The most common odontogenic tumor like lesion responsible for isolated delayed tooth eruption
- Cementoblastoma
 - Ameloblastic fibro-odontoma
 - Odontoma
 - Eruption sequestrum

Question Ends

