

1. Infection of the lower lip spreading via lymph would first enter blood at
 - (1) inferior labial vein
 - (2) pterygoid plexus
 - (3) brachiocephalic vein
 - (4) facial vein

2. Gene responsible for tooth proliferation in molars is
 - (1) Pax 9
 - (2) BLL 2
 - (3) BRAX Gene
 - (4) MXX Gene

3. Optimum concentration of fluoride in drinking water is
 - (1) 0-0.5 p.p.m.
 - (2) 0.5-1 p.p.m.
 - (3) 0.7-1.2 p.p.m.
 - (4) 0.9-1.4 p.p.m.

4. An absolute contraindication for extraction of teeth is
 - (1) hypertension
 - (2) myocardial infarction
 - (3) thyrotoxicosis
 - (4) central haemangioma

5. The division of a single tooth resulting in one normal and one supernumerary tooth is termed as
 - (1) gemination
 - (2) fusion
 - (3) concrescence
 - (4) twinning

6. HAIR ON END appearance in a skull radiograph is seen in
 - (1) fibrous dysplasia
 - (2) Garre's osteomyelitis
 - (3) thalassemia
 - (4) Paget's disease

7. Relapse in rotated tooth can be avoided by
- (1) frenectomy
 - (2) maintaining integrity of arch
 - (3) splinting
 - (4) circumferential supracrestal fiberotomy
8. Primary denture support area for mandibular complete denture is
- (1) the ridges
 - (2) the vestibule
 - (3) palatopharyngeal fold
 - (4) buccal shelf area
9. The Pontic which is hygienic and easy to clean is
- (1) ridge lap
 - (2) saddle
 - (3) sanitary
 - (4) round
10. Which material is recommended for restoring the root caries?
- (1) Zinc oxide eugenol
 - (2) Glass ionomer cement
 - (3) Silver amalgam
 - (4) Composites
11. Flossing aids can be started at the age of
- (1) infants (0-1 year)
 - (2) toddlers (1-3 years)
 - (3) preschool age (3-6 years)
 - (4) adolescent age (12-19 years)
12. The greatest stress that can be induced in a body without rupture is
- (1) proportional limit
 - (2) yield strength
 - (3) tensile strength
 - (4) ultimate strength

- 13.** For all practical purposes, the clasp should have
- (1) high Proportional Limit (PL) and low Modulus of Elasticity (MOE)
 - (2) high PL and high MOE
 - (3) low PL and high MOE
 - (4) low PL and low MOE
- 14.** The disadvantage of palatal plate over a bar is
- (1) can be thinner
 - (2) can transfer occlusal load
 - (3) covers more tissue
 - (4) do not worry the tongue
- 15.** A dentist is preparing all maxillary anterior teeth for anterior indirect full coverage restoration. Which one of the following procedures is necessary in order to preserve and restore anterior guidance?
- (1) Protrusive record
 - (2) Template for provisional restoration
 - (3) Custom incisal guide table
 - (4) Interocclusal record in centric relation
- 16.** What is the common direction of fracture extension in cracked tooth?
- (1) Faciolingual
 - (2) Mesiodistal
 - (3) Horizontal
 - (4) Apical to coronal

17. Preferred pulp test in tooth with metal ceramic restoration is
(1) heat test (2) electric pulp test
(3) anaesthetic test (4) dry ice test
18. Rate of collagen synthesis is highest in
(1) periodontal ligament (2) gingiva
(3) skin (4) bone
19. Stippling appears in the children at the age of
(1) 1 year (2) 1 month (3) 2 years (4) 5 years
20. Highest level of clinical evidence (or gold standard) is obtained from
(1) case control studies (2) cohort studies
(3) longitudinal studies (4) meta-analysis, systematic reviews
21. Ability of an infectious agent to invade and multiply is called
(1) infectivity (2) pathogenicity
(3) virulence (4) transmission
22. The student *t*-test is
(1) a test for comparing proportions
(2) a nonparametric test
(3) a test for comparing averages
(4) a test for comparing variances

28. Patients with which one of the following co-morbidity cannot usually biotransform amide local anaesthetic agents in their body at a rate compare to that of normal individual?

- (1) Hypotension
- (2) Presence of atypical pseudocholinesterase
- (3) Odontogenic infection
- (4) Pyrexia

29. Most common Laser used in oral surgery is

- (1) Helium-Neon Laser
- (2) Argon Laser
- (3) Carbon dioxide Laser
- (4) Nd-YAG Laser

30. Assertion : Posterior surface of implant should be 5 mm anterior to mental foramen.

Reason : The mental nerve before exiting from the mental foramen runs anteriorly by 3 mm and loops back to exit.

- (1) Both Assertion and Reason are true and Reason is the correct explanation of Assertion
- (2) Both Assertion and Reason are true and Reason is not the correct explanation of Assertion
- (3) Assertion is true but Reason is false
- (4) Both Assertion and Reason are false

- 31.** Inability of eye to look to ipsilateral shoulder may indicate which cranial nerve problem?
(1) IIIrd (2) IVth (3) IInd (4) Vth
- 32.** Vickers and Gorlin criteria does not include
(1) hyperchromatism of basal cell nuclei
(2) palisading and polarization of basal cell nuclei
(3) cytoplasmic vacuolization
(4) breach in basement membrane
- 33.** In early childhood caries there is early carious involvement of all the following teeth, except
(1) maxillary anterior teeth (2) primary 1st molars
(3) mandibular 2nd molars (4) mandibular incisors
- 34.** False about disclosing agents is
(1) these are used for patient education
(2) younger children are very much bothered by the discoloration caused
(3) examples are—erythrosine, basic fuchsin
(4) used in all age groups
- 35.** Spontaneous correction of childhood diastema is more likely when its width is, not more than
(1) 5 mm (2) 4 mm (3) 3 mm (4) 2 mm

- 36.** Anterior open bite and maxillary constriction are caused by
- (1) tongue thrusting (2) thumb sucking
(3) nail biting (4) lip biting
- 37.** In children, it can be quite difficult to find the sort of positive 'centric relation' because
- (1) TMJ is not well developed
(2) articular eminence is not well developed
(3) condyle is not well developed
(4) coronoid process is not well developed
- 38.** Which anatomical part of the maxillary artery is closely associated with lines of fracture in Le Fort I, II and III types of injury?
- (1) First part (2) Second part (3) Third part (4) Fourth part
- 39.** Among the following methods, which is the preferred and recommended form of emergency surgical airway management by ATLS ?
- (1) Endotracheal intubation (2) Tracheostomy
(3) Cricothyroidotomy (4) Nasopharyngeal airway
- 40.** Which one of the following nerve fibres are responsible for carrying pain perception from periphery to the CNS ?
- (1) A Alpha and a Beta fibres (2) A Delta and B fibres
(3) A Alpha and C fibres (4) A Delta and C fibres

Short Answer Questions

Note : Attempt any **five** questions. Write answer in **150-200** words. Each question carries **16** marks. Answer each question on separate page, after writing Question Number.

1. Meta-analysis.
2. Laser in dentistry.
3. Need of centric occlusion to coincide with centric relation.
4. Relevance of spaced and non-spaced primary dentition and their effects on developing occlusion.
5. Development of lip and palate.
6. Basic Life Support (BLS).
7. Dental management of hemophilic patient.
8. Sampling methods.
9. Bone scan.
10. Dental implants.