

NEET MDS 2021 (Memory Based)

Ques. Arrange the following zones of the pulp from outer to inner layer in the correct sequence:

1. Odontoblastic zone
2. Cell rich zone
3. Cell free zone
4. Central pulp

- 1) 1324
- 2) 1234
- 3) 3241
- 4) 3214

Ans. 1 (1324)

Ques. All of the following are the uses of EDTA, except:

- 1) Dissolution of pulp
- 2) Softening of dentin
- 3) Removal of smear layer
- 4) Chelation of calcium ions

Ans. 1 (Dissolution of pulp)

Ques. Which of the following can be used as a base under CaOH_2 , when the remaining dentin thickness is less than 1 mm?

- 1) ZnOE
- 2) Resin modified GIC
- 3) Polycarboxylate
- 4) ZnPO_4

Ans. 2 (Resin modified GIC)

Ques. Dentin bonding agent is:

- 1) Hydrophilic
- 2) Hydrophobic
- 3) Hydrophilic and hydrophobic
- 4) Lipophilic and lipophobic

Ans. 3 (Hydrophilic and hydrophobic)

Ques. Law of symmetry is not followed by:

- 1) Maxillary molars
- 2) Mandibular molars
- 3) Maxillary premolars
- 4) Mandibular premolars

Ans. 1 (Maxillary molars)

Ques. Which of the following is used to enlarge canal opening?

- 1) K-file
- 2) Reamer
- 3) Gates Glidden drill
- 4) Path finder

Ans. 3 (Gates Glidden drill)

Ques. Strength of gypsum bonded investment material is provided by:

- 1) Carbon
- 2) Copper
- 3) Silica
- 4) Gypsum

Ans. 4 (Gypsum)
Ques. All of the following statements regarding self cure as compared to heat cure are true, except:

- 1) Self cure has lower molecular weight
- 2) Self cure has higher residual monomer content
- 3) Self cure is more porous
- 4) Self cure has more transverse strength

Ans. 4. Self cure has more transverse strength

Ques. During bleaching, light emitted from LED lamp is:

- 1) Cold blue visible light 465 nm
- 2) Hot blue visible light 465 nm
- 3) Cold orange visible light 465 nm
- 4) Cold green visible light 465 nm

Ans. 1 (Cold blue visible light 465 nm)
Ques. The process of making the impression material to conduct electricity is:

- 1) Metallizing
- 2) Electroplating
- 3) Iontophoresis
- 4) Galvanizing

Ans. 1 (Metallizing)

Ques. As the intensity increases, hue perception changes. The effect is called:

- 1) Metamerism
- 2) Bezold- Brucke effect
- 3) Chameleon effect
- 4) Tyndall effect

Ans. 2 (Bezold- Brucke effect)

Ques. Knives used in gingivectomy are:

- 1) Merrifield and Orban
- 2) Merrifield and Kirkland
- 3) Kirkland and Orban #1 and #2
- 4) Kirkland and Orban #3 and #4

Ans. 3 (Kirkland and Orban #1 and #2)

Ques. Which of the following statements is incorrect for furcation defect?

- 1) Grade 3 defect is clinically visible.
- 2) Grade 1 can be visible radiographically as radiopaque.
- 3) In Grade 4 inter-radicular bone is completely lost.
- 4) In Grade 2 bone is attached to the dome of the furcation.

Ans. 1 (Grade 3 defect is clinically visible.) Ques. Cheese like material composed of food particles, desquamated epithelial cells, leukocytes and microbes, which can be easily displaced with water spray is known as:

- 1) Materia alba
- 2) Pellicle
- 3) Calculus
- 4) Acquired plaque

Ans. 1 (Materia alba)

Solution. Materia alba is a cheese-like material that forms on teeth and is composed of food particles, desquamated epithelial cells, leukocytes, and microbes. It can be easily displaced with a water spray and is often found in areas of the mouth where plaque accumulates. Pellicle is a thin film that forms on teeth shortly after they have been cleaned, while calculus (also known as tartar) is a hardened form of plaque that can only be removed by a dental professional. Acquired plaque refers to plaque that forms on teeth due to poor oral hygiene habits.

Ques. Which of the following is not found in the root?

- 1) Enamel
- 2) Dentin
- 3) Cementum

- 4) Pulp

Ans. 1 (Enamel)

Ques. Serum lipase levels are increased in:

- 1) Acute pancreatitis
- 2) Diabetes mellitus
- 3) Myocardial infarction
- 4) Obstructive jaundice

Ans. 1 (Acute pancreatitis)

Ques. The plaque found in heavy calculus former differs from that in non-calculus former in that it has:

- 1) Low calcium
- 2) Low potassium
- 3) Low phosphorus
- 4) Mineral content is same

Ans. 2 (Low potassium)

Ques. The dentist tries to prepare wax try-in using base plate wax in tropical area, the type of wax preferred is:

- 1) Type I base plate wax
- 2) Type II base plate wax
- 3) Type III base plate wax
- 4) Type IV base plate wax

Ans. 3 (Type III base plate wax)

Ques. Drug of choice in acute necrotizing ulcerative gingivitis is:

- 1) Metronidazole
- 2) Clindamycin
- 3) Tetracycline
- 4) Ceftriaxone

Ans. 1 (Metronidazole)

Ques. Which vitamin deficiency is seen in chronic alcoholics?

- 1) Vit B₁₂
- 2) Thiamine
- 3) Riboflavin
- 4) Vit A

Ans. 2 (Thiamine)

Ques. The 18:8 stainless steel is composed of:

- 1) 18 - Chromium, 8 - Nickel
- 2) 18 - Cobalt, 8 - Chromium
- 3) 18 - Cobalt, 8 - Nickel

- 4) 18 - Nickel, 8 - Chromium

Ans. 1 (18 - Chromium, 8 - Nickel)

Ques. Titanium welding is done using:

- 1) Argon
- 2) Laser assisted
- 3) Spot welding
- 4) Thermal welding

Ans. 1 (Argon)

Ques. Following tooth preparation, which chemicals are suitable for gingival retraction before making the impression?

- 1) Acidic
- 2) Basic
- 3) Neutral
- 4) Highly basic

Ans. 1 (Acidic)

Ques. Which density of bone is best suited to achieve a minimum difference in elastic modulus of titanium implant and the residual alveolar bone?

- 1) D1
- 2) D2
- 3) D3
- 4) D4

Ans. 2 (D2)**Ques. A 4-year-old child living in an area with water fluoride content of 0.5ppm, should be given supplemental fluoride tablet of:**

- 1) 0.15 mg/day
- 2) 0 mg/day
- 3) 5 mg/day
- 4) 0.25 mg/day

Ans. 4 (0.25 mg/day)

Ques. A country is taking precautions for a disease which has not yet occurred. Which of the following level of prevention is most relevant?

- 1) Primordial Prevention
- 2) Primary Prevention
- 3) Secondary Prevention
- 4) Tertiary Prevention

Ans. 1 (Primordial Prevention)

Ques. DI-S score is 0.6, CI-S score is 0.7. What is the interpretation for OHI-S from this data?

- 1) Good
- 2) Excellent
- 3) Fair
- 4) Poor

Ans. 3 (Fair)

Ques. Patient with temporary restorations on four fractured anterior teeth, 6 teeth with chalky and rough spots and two 3rd molars extracted due to pericoronitis. What is the DMFT score according to WHO Modified DMFT Index 1987?

- 1) 6
- 2) 0
- 3) 10
- 4) 12

Ans. 2 (0)

Ques. Which phase of clinical trial is used to include large population to check the effectiveness, dosage and safety of drugs?

- 1) Phase 2
- 2) Phase 4
- 3) Phase 5
- 4) Phase 3

Ans. 4 (Phase 3)

Ques. Which of the following fluoride preparation combines with hydroxyapatite crystals to form calcium fluoride, which further diffuse to form fluorapatite crystals?

- 1) Stannous fluoride
- 2) Sodium fluoride
- 3) Amine fluoride
- 4) APF

Ans. 2 (Sodium fluoride)