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**BDS (4th YEAR) EXAMINATION
PUBLIC HEALTH DENTISTRY**

Time : 3 Hours]

[Max. Marks : 70

Note: The question paper is divided into two Sections A & B. Attempt all questions as per instructions. Draw diagram wherever necessary.

SECTION-A

1. Define Epidemiology. Discuss in detail the differences between case control and cohort studies. [8]
2. Problem based short questions: [6x2=12]
 - (a) A child has reported to your dental clinic with deep Pit and Fissure. Discuss in detail the preventive modality which can be used to prevent the onset of caries in future.
 - (b) A person comes to your dental clinic requiring multiple treatment procedures but he does not have the money to pay the expenses immediately. Which are the various methods of finance which can help the patient.
3. Write short note on : Atrumatic Restorative Treatment [5]
4. Multiple Choice Questions (in separate sheet) [10]

SECTION-B

5. Define Index? Classify them ? what are the ideal requisites of an Index. [8]
6. Discuss briefly:
 - (a) Explain in detail about Knutson Technique [6]
 - (b) Describe the importance of School dental health programmes in prevention of dental caries. [6]
7. Write short notes on [5x3=15]
 - (a) Planning cycle
 - (b) Levels of prevention
 - (c) Incineration

Paper Code : BDS-408

Roll No.

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SECTION-A

4. Multiple Choice questions :

(Write the correct option in the box)

[1×10=10]

(i) Behavioral learning theory includes

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- (a) Classical conditioning theory
- (b) Operant conditioning theory
- (c) Developmental Tasks theory
- (d) Both a and b

(ii) Early diagnosis and prompt treatment is a part of

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- (a) Primary prevention
- (b) Secondary prevention
- (c) Tertiary prevention
- (d) Counseling

(iii) The fluoride form that has to be freshly prepared before use is :

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- (a) NaF
- (b) SnF₂
- (c) APF solution
- (d) APF gel

(iv) Break point chlorination mean

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- (a) Start of chlorination process
- (b) End of chlorination process
- (c) When free residual chlorine starts appearing
- (d) After partial saturation of water with chlorine.

(v) In dentifrices, the recommended concentration of fluoride is

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- (a) 800 ppm
- (b) 2000 ppm
- (c) 1000 ppm
- (d) 600 ppm

(vi) Non-maleficence is

(a) To do no harm

(b) Justice

(c) To do good

(d) Respect for persons.

(vii) In gingival index score 2 means:

(a) Bleeding on probing

(b) Spontaneous bleeding

(c) Slight change in colour

(d) No change in colour

(viii) World No-Tobacco day was celebrated on

(a) 25 May

(b) 31 June

(c) 31 May

(d) 25 April

(ix) Knutson technique of fluoride application is done the following years:

(a) 3, 7, 11, 13

(b) 2, 6, 10, 16

(c) 8, 13, 18, 31

(d) 2, 7, 11, 14

(x) The temperature, pressure and time in an autoclave is

(a) 121° C, 20 kg, 15 minutes

(b) 121° C, 15 lbs, 15 minutes

(c) 121° C, 20 kg, 15 seconds

(d) 121° C, 15 lbs, 15 seconds

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