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JPSC
Previous Year Paper
Dental Officer (Doctor)
Paper-II 2016



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Booklet Series

A

Booklet No.

202809

Time Allowed : 2 Hours

Maximum Marks : 100

INSTRUCTIONS FOR CANDIDATES

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2. You have to enter your Roll Number on the Question Booklet in the Box provided alongside. **DO NOT** write anything else on the Question Booklet.
3. Candidate must fill up the necessary information in the space provided on the supplied OMR (Optical Mark Recognition) Answer Sheet before commencement of the Examination. *See directions on the OMR Answer Sheet.*
4. For marking the correct answer, darken **one** circle by **black or blue** ball point pen only. **Do not mark more than one circle.** Darkening more than one circle against an answer will be treated as wrong answer.
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6. This Question Booklet contains **100 questions**. There is no negative marking for any wrong answer.
7. One page has been provided for Rough Work in this Question Booklet.
8. Possession and use of Calculator, Mobile Phone and Electronic Gadget etc. is prohibited in the Examination Hall.
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10. Candidates appearing in the Examination will be allowed to leave the Examination Hall only after completion of the Examination.

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SEAL



1. Furcation is best detected by
 - (A) WHO probe
 - (B) Naber's probe
 - (C) Marquis colour coded probe
 - (D) CPITN probe
2. Best method to differentiate between acute periodontal and periapical abscess is
 - (A) Vitality test
 - (B) Radiograph
 - (C) Percussion
 - (D) Palpation
3. 'BANA' test measures the activity of
 - (A) Bacteria in periodontitis
 - (B) Trypsin-like enzyme in disease
 - (C) LPS in aggressive periodontitis
 - (D) Calculus
4. The best graft material with maximum osteogenic potential is
 - (A) Allograft
 - (B) Autograft
 - (C) Xenograft
 - (D) Alloplast
5. Gingival hyperplasia due to phenytoin sodium is best treated by
 - (A) Curettage
 - (B) Modified widman flap
 - (C) Gingivectomy
 - (D) Scaling and root planning
6. Instrument used with a push motion is
 - (A) Hoe
 - (B) Chisel
 - (C) Curette
 - (D) Scaler
7. Mobility of a tooth can be attributed to the following except
 - (A) Bone loss
 - (B) TFO
 - (C) Periapical pathology
 - (D) Malocclusion
8. Early and established stage of gingivitis is differentiated by increase in the number of
 - (A) Neutrophil
 - (B) Plasma cells
 - (C) T-cells
 - (D) Macrophages



9. Isolated recession on single tooth is most commonly seen in
(A) Lower central incisor (B) Lower first molar
(C) Upper first premolar (D) Labially placed canine

10. Which of the following bacteria shows strong association with localized aggressive periodontitis ?
(A) *P. gingivalis* (B) *A. actinomycetemcomitans*
(C) *P. intermedia* (D) *Spirochetes*

11. Wooden sticks can be used for
(A) Type I embrasure (B) Type II embrasure
(C) Type III embrasure (D) Type I, II or III embrasure

12. Gracey curette no. 3 and no. 4 are used for
(A) Anterior teeth (B) Premolars
(C) Posterior teeth mesial surface (D) Posterior teeth distal surface

13. Fluoride supplement are not recommended in the following
(A) Birth to 6 months (B) 6 months to 3 years
(C) 3 to 6 years (D) 6+ years

14. Palatal gingiva of the maxilla is drained to
(A) Deep cervical lymph nodes (B) Sub mandibular lymph nodes
(C) Jugalodigastric lymph nodes (D) Sub mental lymph nodes

15. Criterion to distinguish Miller I and II recession is
(A) Interdental bone loss (B) Interdental soft tissue loss
(C) Malposition of tooth (D) Extension of recession

16. General strategies to control plaque diseases do not include
(A) Plaque control (B) Sugar discipline
(C) Pit and fissure sealant (D) Health promotion



17. In the incipient caries lesion, deepest zone is
(A) Surface zone (B) Body of the lesion
(C) Dark zone (D) Translucent zone

18. The standard measure of cancer severity
(A) Incidence (B) Prevalence
(C) 5-years survival rate (D) 5-years relative survival rate

19. "Critical period" for development of fluorosis in human maxillary central incisor begins around the age of
(A) 12 months (B) 22 months
(C) 32 months (D) 36 months

20. Blaming others for one's mistake is an example of
(A) Rationalisation (B) Projection
(C) Compensation (D) Escape mechanism

21. Glucose level in Gingival Crevicular Fluid (GCF) is
(A) Equal to serum (B) Zero
(C) 3 – 4 times greater than serum (D) Less than serum

22. Least width of attached gingiva is found in the facial aspect of
(A) Canine (B) First premolar
(C) Second premolar (D) Lateral incisor

23. The most common type of connective tissue cells in gingiva is
(A) Fibroblast (B) Langerhans cell
(C) Macrophage (D) Keratinocytes

24. Oral, genital, ocular and skin lesions are present in
(A) Hunt's syndrome (B) Felty's syndrome
(C) Behcet's syndrome (D) Reiter's syndrome

25. In acute radiation syndrome prodromal symptoms occur at the dose of
(A) 1 – 2 Gy (B) 2 – 4 Gy
(C) 4 – 8 Gy (D) 8 – 10 Gy

26. A common bacteria involved in Stevens Johnsons Syndrome is
(A) Mycoplasma pneumoniae (B) Campylobacter
(C) Prevotella intermedia (D) Selenomonas

27. One unit of Factor VIII concentrate per kg body weight raises the Factor VIII level by
(A) 1% (B) 2%
(C) 3% (D) 5%

28. Blindness is commonly seen in
(A) Pemphigus vulgaris (B) Bullous pemphigus
(C) Mucous membrane pemphigus (D) Epidermolysis bullosa

29. In oral candidiasis penetration in epithelium is facilitated by
(A) Proteinases (B) Elastases
(C) Hydrolases (D) Lipases

30. White sponge naevus occurs due to mutation of
(A) K4 keratin (B) K5 keratin
(C) K6 keratin (D) K7 keratin

31. Pathergy test is positive if induration develops within
(A) 12 hours (B) 24 hours
(C) 48 hours (D) 72 hours

32. Hairy leukoplakia is associated with
(A) HBV (B) EBV
(C) HSV (D) Snuff



40. In fracture of the mandible the following clinical findings may be seen EXCEPT

- (A) Derangement of occlusion
- (B) Inability to open the mouth completely
- (C) Haematoma
- (D) Diplopia

41. The first force generated during introduction of the beaks of the dental forcep into the periodontal ligament space is

- (A) Buccal force
- (B) Lingual force
- (C) Apical force
- (D) Rotational force

42. During an interview, a dentist asks a patient, "you are not afraid of dentistry, are you ?". This is an example of which type of question ?

- (A) Leading
- (B) Closed
- (C) Open
- (D) Funneling

43. "Tram line" pattern on the face is due to

- (A) Sutures placed with tension
- (B) CSF rhinorrhoea
- (C) Circumorbital ecchymosis
- (D) Subconjunctival haemorrhage

44. Forward and medial displacement of the condyle in condylar fractures is due to

- (A) Medial pterygoid
- (B) Lateral pterygoid
- (C) Masseter
- (D) Temporalis

45. A bilateral mandibular nerve block

- (A) Is dangerous as patient may swallow tongue
- (B) Is not contraindicated
- (C) Will lead to space infection
- (D) Should rarely be performed

P – II



46. Ameloblastomas are best treated by

- (A) Curettage
- (B) Enucleation
- (C) Resection with 1.5 – 2.0 cm marginal clearance of normal bone
- (D) Resection with a conservative approach of the involved bone

47. Partsch II surgical procedure is

- (A) Marsupialisation followed by enucleation
- (B) Enucleation and packing
- (C) Marsupialisation
- (D) Enucleation with bone grafting

48. AIDS virus is a

- (A) Picornavirus
- (B) Retrovirus
- (C) DNA virus
- (D) Enterovirus

49. In hypoglycaemic shock the skin is

- (A) Dry
- (B) Pigmented
- (C) Fissured
- (D) Moist

50. Which of the following drug is not available in Emergency ?

- (A) Diclofenac Na
- (B) Hydrocortisone
- (C) Nitroglycerine
- (D) Adrenaline

51. The safe dose of adrenalin in a patient with compromised cardiac condition is

- (A) 0.2 mg
- (B) 0.02 mg
- (C) 0.4 mg
- (D) 0.04 mg

52. The coagulation profile includes all EXCEPT

- (A) Prothrombin Time (PT)
- (B) Activated Partial Thromboplastin Time (APTT)
- (C) Total Leucocyte Count (TLC)
- (D) International Normalized Ratio (INR)



53. The disadvantage of gutta-percha as obturating material is

- (A) Biocompatibility
- (B) Difficulty of preparing post space
- (C) Solubility in chloroform and xylol
- (D) Lack of rigidity in smaller size

54. Class VI cavities/restorations include

- (A) Proximal surface of anterior teeth
- (B) Proximal surface of posterior teeth
- (C) Gingival third of all teeth
- (D) Incisal edge of anterior teeth or occlusal cusp height of posterior teeth

55. The walking bleach technique

- (A) Uses heat treatment
- (B) Requires patient to report in 24 hours
- (C) Can be done in poorly obturated canal
- (D) Uses mixture of sodium perborate and H_2O_2

56. In a patient requiring central diastema closure with modification of incisal edge length, which of the veneer preparation design is most suitable ?

- (A) Window preparation
- (B) Butt joint incisal preparation
- (C) Incisal overlap preparation
- (D) None of the above

57. Thermoplasticized GP technique for obturation is better than lateral condensation technique because

- (A) It results in most homogeneous filling of root and system
- (B) It is faster and easier method
- (C) It results in less microleakage than lateral condensation technique
- (D) It fills lateral canals as well



65. Pulp capping comes under which level of prevention ?
(A) Primary (B) Secondary
(C) Tertiary (D) Primordial

66. Which of the following is not a reversible index ?
(A) DHI – S (B) DMFS
(C) PI (D) GI

67. Case control studies are also referred as
(A) Prospective study (B) Longitudinal study
(C) Incidence study (D) Retrospective study

68. “Emporiatrics” is the word used to describe the science of
(A) Epidemics (B) Pandemic
(C) Health of traveller (D) Child health

69. Fluoride pit and fissure sealant belong to which generation ?
(A) I (B) II
(C) III (D) IV

70. Secondary data can be obtained by using the following method
(A) Direct interview (B) Oral health examination
(C) Questionnaire method (D) Previous records

71. Hanous formula related with the mandibular movement is
(A) Protrusive (B) Lateroretrusive
(C) Retrusive (D) Opening

72. Which is more retentive form of anterior bridge ?
(A) $\frac{3}{4}$ partial veneer crown (B) Full veneer crown
(C) Pinlay veneer (D) Class V inlay



73. Retentive part of clasp position is

- (A) Below the survey line
- (B) Above survey line
- (C) As close as possible to the gingival margin
- (D) None of the above

74. Finish line of choice for tilted abutment is

- (A) Shoulder
- (B) Chamfer
- (C) Feather edge
- (D) Shoulder with bevel

75. Most biocompatible pontic material is

- (A) Nickel chrome
- (B) Glazed porcelain
- (C) Unglazed porcelain
- (D) Stainless steel

76. Free plane articulator is classified as

- (A) Type – I
- (B) Type – II
- (C) Type – III
- (D) Type – IV

77. Centric relation is related with the plane

- (A) Vertical
- (B) Sagital
- (C) Horizontal
- (D) Camper

78. Stress bearing cusp of upper 1st = molar is

- (A) Mesiobuccal
- (B) Distobuccal
- (C) Mesiopalatal
- (D) Mesiopalatal and distopalatal

79. Dentogenic concept is related with

- (A) Retention
- (B) Stability
- (C) Support
- (D) Tooth Selection

80. Most important factor affecting the physical forces is
(A) Saliva (B) Surface area
(C) Contact intimacy (D) Peripheral seal

81. Optimum distance for implant placement from natural tooth is
(A) 1 mm (B) 2 mm
(C) 3 mm (D) 4 mm

82. Cafe au lait pigmentation are seen in
(A) Turcot's syndrome (B) Tuberous sclerosis
(C) None of the above (D) Both of the above

83. In chronic kidney disease stage 5 , GFR is
(A) < 45 cc/min. (B) < 35 cc/min.
(C) < 25 cc/min. (D) < 15 cc/min.

84. Lip pits are associated with
(A) Klinefelter Syndrome (B) Vander Woude Syndrome
(C) Treacher Collin Syndrome (D) Puetz Jeghers Syndrome

85. A safelight may be mounted on the ceiling at least a height of
(A) 3 feet (B) 4 feet
(C) 5 feet (D) 6 feet

86. The amount of force required to effect the mandibular changes at condylar region is
(A) $1 - 2$ gm/mm 2 (B) $2 - 4$ gm/mm 2
(C) $4 - 5$ gm/mm 2 (D) $5 - 7$ gm/mm 2

87. According to Tweed's philosophy, minimal relapse occurs with the correct placement of
(A) Upper 1st molar (B) Lower 1st molar
(C) Upper incisors (D) Lower incisors



88. Which of the following is a common problem associated with most of the mixed dentition analysis ?

- (A) Accuracy in different populations
- (B) Complicated calculation
- (C) Radiographic magnification errors
- (D) Difficulty in making study models

89. TADs in orthodontics is used for

- (A) Tooth replacement
- (B) Muscle reprogramming
- (C) Orthognathic splint
- (D) Anchorage

90. The HMO model in which dental personnel are salaried employees is

- (A) Staff model
- (B) Group model
- (C) Independent practice association
- (D) Capitated network

91. Universal precautions do not emphasize

- (A) Barrier's procedure
- (B) Routine autoclaving
- (C) Means of handling potentially infectious materials
- (D) Means of handling potentially infectious patients

92. Human Development Index does not include

- (A) Infant mortality
- (B) Life expectancy at birth
- (C) Adult literacy rate
- (D) Gross domestic product

93. A 90% specificity means

- (A) 90% true positive and 10% false negative
- (B) 90% true positive and 10% false positive
- (C) 90% true negative and 10% false positive
- (D) 90% true negative and 10% false negative

