

## PGD-CET 2014 QUESTION BOOKLET

Question Booklet Version	PGD - CET - 2014 Roll No.	Question Booklet Sr. No.								
<table border="1"><tr><td>3</td><td>3</td></tr></table> Thirty three (Write this number on your Answer Sheet)	3	3	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							
3	3									
	Answer Sheet No.	(Write this number on your Answer Sheet)								

**Day and Date : Sunday, 5<sup>th</sup> January, 2014**  
**Time: 10.00 a.m. to 11.30 a.m.**

**Duration: 1 Hour 30 Minutes**  
**Total Marks : 100**

This is to certify that, the entries of PGD-CET Roll No. and Answer Sheet No. have been correctly written and verified.

*Candidate's Signature*

*Invigilator's Signature*

### Instructions to Candidates

- The Question Booklet has one seal sticker. Examinee should open the seal at 10.00 a.m.**
- This question booklet contains 100 Objective Type Questions (Single Best Response Type MCQ) in the subjects of BDS.
- The **Question Paper** and **OMR (Optical Mark Reader) Answer Sheets** are issued to examinees separately at the beginning of the examination session.
- Choice and sequence for attempting questions will be as per the convenience of the candidate.
- Candidate should carefully read the instructions printed on the Question Booklet and Answer Sheet and make the correct entries on the Answer Sheet. As Answer Sheets are designed to suit the OPTICAL MARK READER (OMR) SYSTEM, special care should be taken to mark appropriate entries/answers correctly. Special care should be taken to fill QUESTION BOOKLET VERSION, SERIAL No. and PGD-CET Roll No. accurately. The correctness of entries has to be cross-checked by the invigilators. **The candidate must sign on the Answer Sheet and Question Booklet.**
- Read each question carefully.  
Determine **ONE** correct answer from out of the four available options given for each question.  
All the candidates are instructed to **carefully see in Question Booklet the Serial No. of MCQ and the sequence of options A), B), C) and D) in the MCQ** while entering the answer in the Answer Sheet.
- Fill the appropriate circle completely like this ●, for answering the particular question, with **Black ink Ball point pen only**, in the OMR Answer Sheet. Candidate should completely darken one and the only one best response (oval). Candidate should not use any other method for answering i.e. half circle, dot, tick mark, cross etc. as these may not be read by the scanner. Answer Sheet of each candidate will be evaluated by computerized scanning method only (Optical Mark Reader) and there will not be any manual checking during evaluation and verification.
- Each answer with correct response shall be awarded one (1) mark. There is **No Negative Marking**. If the examinee has marked two or more answers or has done scratching and/or overwriting in the Answer Sheet in response to any question, or has marked the circles inappropriately, mark(s) shall NOT be awarded for such answer/s.
- Use of whitener or any other material to erase/hide the circle once filled is not permitted.  
Avoid overwriting and/or striking of answers once marked.
- Rough work should be done only on the blank space provided on the Question Booklet. **Rough work should not be done on the Answer Sheet.**
- Confirm that both the candidate and invigilator have signed on question booklet and answersheet. Immediately after the prescribed examination time is over, the **Question Booklet and Answer Sheet are to be returned to the invigilator.**
- No candidate is allowed to leave the examination hall till the examination session is over.

P.T.O.



**(DO NOT WRITE HERE)**

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**SPACE FOR ROUGH WORK**



1. Direct Coombs test detects
  - A) Antigen in serum
  - B) Antibodies on RBC surface
  - C) Antigen on RBC surface
  - D) Antibodies in serum
2. Invasive squamous cell carcinoma is differentiated from Carcinoma in situ by
  - A) Penetration of basement membrane
  - B) Number of mitotic figures
  - C) Increased in size of cells
  - D) Nuclear pleomorphism
3. Leucopenia is seen in ....
  - A) Brucellosis
  - B) Acute myocardial infarction
  - C) Typhoid
  - D) Diphtheria
4. Clostridium tetani are following type of bacteria
  - A) Spore bearing aerobes
  - B) Non sporing aerobes
  - C) Spore bearing anaerobes
  - D) Non sporing anaerobes
5. Common cause of diarrhoea in AIDS cases is due to
  - A) Plasmodium falciparum
  - B) Cryptosporidium
  - C) Ascaris lumbricoides
  - D) Taenia solium
6. Process in which the hardness of a metal increases during cold working is
  - A) Annealing
  - B) Coring
  - C) Work hardening
  - D) Homogenizing
7. Sharpey's fibres are seen in
  - A) Acellular extrinsic fibre cementum
  - B) Cellular intrinsic fibre cementum
  - C) Acellular fibrillar cementum
  - D) None of the above





16. Longer the duration of the disease, the greater is its
- A) Incidence  
B) Both incidence & prevalence  
C) Prevalence  
D) None of the above
17. \_\_\_\_\_ survey includes only the most important subgroups in the population and only one or two index ages.
- A) Pathfinder      B) Pilot      C) Urban      D) Rural
18. The Index of Orthodontic Treatment Needs (I.O.T.N.) was developed by \_\_\_\_\_ to link dentofacial variation to perceived aesthetic impairment.
- A) Brook and Shaw      B) Burlington Group  
C) Locker et al      D) Draker
19. Vitamin “D” is derived by radiation of the naturally occurring substance ....
- A) Calcitonin      B) Cholecalciferol  
C) Cholesterol      D) Ergosterol
20. The growth in three dimensions get completed in which order ?
- A) Width, length and height      B) Height, width and length  
C) Length, Height and width      D) No specific order
21. Which of the following statements is correct about lingual nerve ?
- A) It passes through infratemporal space  
B) It passes through para-pharyngeal space  
C) It passes through the pterygomandibular space  
D) The lingual nerve is the sensory tract to anterior one third of the tongue
22. Elephant foot deformity is indicative of
- A) Diplopia  
B) Non union of fractured edentulous mandible  
C) Skeletal Class II malocclusion  
D) Unilateral Le Fort I fracture of maxilla



23. Pyramidal fracture is another name for
- A) Le Fort I Fracture                      B) Le Fort II Fracture  
C) Le Fort III Fracture                     D) None of the above
24. The cyst that remains behind in the jaws after removal of the tooth is
- A) Lateral Periodontal Cyst                B) Radicular Cyst  
C) Residual Cyst                             D) None of the above
25. Which of the following does NOT belong to amide group of local anesthetics ?
- A) Mepivacaine    B) Bupivacaine    C) Lidocaine    D) Tetracaine
26. Corrugated collagenous rings surrounding lymphocytes and plasma cells in the walls of inflammatory cysts are called
- A) Ruston bodies                              B) Hyaline bodies  
C) Howell- Jolly bodies                      D) Papenheimer bodies
27. Blue sclerae may be seen in all types of osteogenesis imperfecta EXCEPT
- A) Type I              B) Type II              C) Type III              D) Type IV
28. A serious coagulopathy characterized by severe thrombocytopenia and haemorrhage due to platelet trapping within the tumor is called
- A) Phace(S) Syndrome                      B) Kasabach- Merrit Phenomenon  
C) Kaposi's sarcoma                         D) Hemangioma
29. In PRECEDE model of health education R stands for ....
- A) Resolution                                  B) Reinforcing  
C) Revolution                                  D) Reforming
30. The fee level determined by the administrator of dental benefit plan is
- A) Usual fee                                      B) Customary fee  
C) Reasonal fee                                 D) None of the above
31. Which agent is used in walking bleach technique ?
- A) Hydrofluoric acid                         B) Carbamide peroxide  
C) Sodium perborate                         D) Heignes solution



32. Osteoblast covering the periodontal surface of the alveolar bone constitute a
- A) modified periosteum                      B) modified endosteum  
C) periosteum                                  D) endosteum
33. Brushlite crystals in calculus are found more commonly in
- A) Mandibular posteriors                      B) Mandibular anteriors  
C) Maxillary anteriors                        D) Maxillary posteriors
34. Healing of a wound which simply restores the continuity of the diseased marginal gingival is known as
- A) regeneration                                B) new attachment  
C) repair                                         D) reattachment
35. True about Papillon Leferve Syndrome is
- A) Autosomal dominant disorder  
B) Characterized by palmer planter hyperkeratosis  
C) Mutation in cathepsin C gene  
D) All of the above
36. Which of the following is an example of intraoral tracer ?
- A) Height                      B) Philip                      C) Stansbery                      D) Messerman
37. Which of the following measures the vertical dimension when the mandible and muscles involved are in physiologic function of speech ?
- A) Freeway space                                B) Leeway space  
C) Closest speaking space                      D) Primate space
38. To achieve the additional retention the following should be done while tooth preparation
- A) Excessive occlusal preparation                      B) Tapered preparation  
C) Grooves and boxes                                  D) Supragingival finish line
39. Minimum solubility of dental cements to oral fluids is seen in
- A) GIC    B) Zinc Polycarboxylate  
C) Zinc Phosphate                                  D) Resin cement



40. Eames technique is otherwise known as
- A) No squeeze cloth technique      B) Increasing dryness technique  
C) Blotting mix      D) Mortar and pestle mix
41. Excessive fixing of an x ray film
- A) has no effect on image quality      B) causes brown staining  
C) reduces its density      D) increases its density
42. Premature bone loss in primary teeth could be seen in condition like
- A) Hypophosphatasia      B) Fibrous dysplasia  
C) Papillon Lefevre Syndrome      D) All of the above
43. Which of the following may develop as a result of juvenile diabetes mellitus ?
- A) Ataxia      B) Aphasia      C) Deafness      D) Blindness
44. Four film Survey (Series) for children consists of maxillary and mandibular occlusals along with
- A) two maxillary posterior periapicals  
B) two mandibular posterior periapicals  
C) two posterior bitewings  
D) one panoramic & one lateral jaw views
45. The isthmus width in class II cavity preparation in relation to intercuspal width of primary molars should not exceed
- A) one fourth      B) two thirds  
C) one third      D) half
46. Xylitol is a
- A) natural sweet amino acid      B) synthetic sweet amino acid  
C) natural five carbon sugar      D) synthetic five carbon sugar
47. Which is an example of retainerless matrix ?
- A) Universal matrix      B) Compound supported matrix  
C) Custom made matrix      D) Auto matrix





48. Fluoride release is maximum in
- A) Conventional Glass Ionomer                      B) Metal modified Glass Ionomer  
C) Resin modified Glass Ionomer                      D) Polyacid modified Composite
49. The acid used in etching ceramic during repair of ceramic restorations is
- A) Hydrochloric acid                                      B) Hydrofluoric acid  
C) Sulphuric acid    D) Ortho phosphoric acid
50. The configuration factor ["C" factor] for an occlusal class I cavity is
- A) 2                                      B) 3                                      C) 4                                      D) 5
51. The "Onset" of the disease in the history of present illness relates to
- A) when the present complaint started  
B) how the present complaint started  
C) why the present complaint started  
D) duration of the present complaint
52. A "Papule" is a
- A) flat, solid lesion                                      B) raised solid lesion  
C) raised blister    D) pus containing blister
53. To study the malignant tumour of the jaw bone, the radio-nuclide used is
- A) Gallium 67 citrate  
B) Technitium 99m labeled iodine  
C) Technitium 99m per technitate  
D) Technitium 99m methylene diphosphate (MDP)
54. Sphygmomanometer reading can be correct only when
- A) deflation is 5-10 mm Hg per heart beat  
B) cuff is slightly full on applying to patient's arm  
C) the cuff width is 25% of the diameter of the patient's arm  
D) length of the bladder encircles 80% of the patient's arm



55. Radiographic image sharpness is reduced when
- A) focal spot-to-object distance is less
  - B) focal spot-to-object distance is more
  - C) insufficient vertical angulation is used
  - D) inappropriate horizontal angulation is used
56. According to Stanford –Binet intelligence scale, the degree of mental disability with a range of 36-51 is termed as
- A) Severe
  - B) Moderate
  - C) Profound
  - D) Mild
57. Which of the following is NOT a type of mixed dentition analysis?
- A) Moyer's
  - B) Tanaka Johnston
  - C) Pont & Linderharth
  - D) Hixon old father
58. Extra oral tracing method is grouped in the following for recording centric relation for complete denture patients
- A) Functional method
  - B) Close mouth method
  - C) Static method
  - D) None of the above
59. When closure in intercuspal position is attained during mastication, movement stops for about \_\_\_\_\_ msec before another cycle begins.
- A) 194 msec
  - B) 94 msec
  - C) 394 msec
  - D) 594 msec
60. Pontic design for anterior region should be of the following to give excellent Aesthetics.
- A) Ridge lap
  - B) Sanitary
  - C) Ovate
  - D) Bullet
61. Which of the following is NOT a layer of primary growth cartilage ?
- A) Cartilaginous matrix
  - B) Calcified cartilaginous matrix
  - C) Fibrous capsule
  - D) Degenerating Chondroblast
62. Early closure of suture is associated with
- A) Treacher Collins Syndrome
  - B) Marfan Syndrome
  - C) Guzons Syndrome
  - D) Pierre Robin Syndrome





71. The pulp stem cells are
- A) Pluripotent in nature                      B) Totipotent in nature  
C) Multipotent in nature                      D) None of the above
72. The incisal edge of maxillary central incisor in a 21 year old man is chipped off during a fall. He is informed that the tooth will erupt a little. This compensatory tooth movement is because of increased deposition of
- A) dentin    B) pulp  
C) cementum                                      D) periodontal ligament
73. Koilocytes are seen in all of the following EXCEPT
- A) Condyloma acuminatum                      B) Actinic keratosis  
C) Verruca vulgaris                              D) Squamous papilloma
74. A typical example of an immunologically mediated collagen vascular/ connective tissue disorder is
- A) Lichen planus                                      B) Pemphigus vulgaris  
C) Lupus erythematosis                              D) Epidermolysis bullosa
75. Pastia's lines in Scarlet fever are
- A) white lines on the dorsum of the tongue  
B) seen bilaterally on buccal Mucosa  
C) present in skin folds secondary to capillary fragility  
D) seen when white and red strawberry tongue occur concomitantly
76. Degeneration of periodontal tissue without inflammation is called as
- A) Desquamative gingivitis                      B) Chronic periodontitis  
C) Periodontosis                                      D) Pericoronitis
77. Keratin specific to epidermal type differentiation are
- A) K<sub>1</sub>, K<sub>2</sub>, K<sub>10</sub>, K<sub>12</sub>                              B) K<sub>1</sub>, K<sub>3</sub>, K<sub>10</sub>, K<sub>12</sub>  
C) K<sub>1</sub>, K<sub>2</sub>, K<sub>10</sub>, K<sub>13</sub>                              D) K<sub>1</sub>, K<sub>2</sub>, K<sub>11</sub>, K<sub>13</sub>



78. Which of the following is NOT detected by Evalusite ?
- A) A. actinomycetem Comitens      B) P. gingivalis  
C) P. intermedia      D) T. denticola
79. Closed mouth technique of blocking the inferior alveolar, Buccinator and lingual nerve is also termed as
- A) Gow-Gates Technique      B) Akinosi Technique  
C) Browns Technique      D) Bennetts Technique
80. Penrose drain is
- A) A simple rubber tube open at one end  
B) Simple rubber tube open at both ends  
C) Modified corrugated rubber drain  
D) Modified Foley's Catheter
81. The initiator in the heat cure polymer powder is
- A) Hydroquinone      B) Sulfinic acid  
C) Benzoyl peroxide      D) Sulfur dioxide
82. A dentist can best control the setting time of Alginate impression material without altering its properties by
- A) using perforated tray  
B) altering water : powder ratio  
C) reducing the rate of mixing  
D) altering the temperature of water
83. In acrylic restorative materials, the pumping action of alternately imbibing and exuding fluids is termed as
- A) Imbibition      B) Percolation      C) Syneresis      D) Evaporation
84. Time dependent deformation produced in a completely set solid subjected to a constant stress is termed as
- A) Static creep      B) Elongation  
C) Dynamic creep      D) Flexibility



85. An acidic agent that dissolves the inorganic structure in dentin that allows infiltration of adhesive resin is
- A) Dentin bonding agent                      B) Dentin conditioner  
C) Primer    D) None of the above
86. Benzodiazepines act preferentially on which part of the brain to block thought and mental functions ?
- A) Hypothalamus                                      B) Thalamus  
C) Limbic system                                      D) Area Postrema
87. The pathological state that alters the volume of distribution of many drugs is
- A) Septicemia    B) Duodenal ulcers  
C) Congestive heart failure                      D) Hypertension
88. Which of the following analgesic is used in arthritis, having 3 times more concentration in synovial fluid than plasma ?
- A) Ibuprofen    B) Diclofenac  
C) Tenoxicam    D) Piroxicam
89. The antiulcer agent detaches and kills H. Pylori organism and prevents relapses is
- A) Colloidal Bismuth                                      B) Pirenzipine  
C) Misoprostol    D) Sucralfate
90. The dentin desensitizing agents that acts by precipitating proteins in dentinal tubular fluid is
- A) Strontium Chloride                                      B) Potassium oxalate  
C) Fluoride    D) Hydroxy ethyl methacrylate
91. The concept of field change or “Cancerization” was proposed by
- A) Pirani    B) Dimeglio  
C) Paterson    D) Slaughter
92. Best parameter to monitor response to treatment in a patient of shock is
- A) Pulse    B) Blood pressure  
C) Level of consciousness                      D) Urine output





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**SPACE FOR ROUGH WORK**