

PGD-CET 2014 QUESTION BOOKLET

Question Booklet Version		
<table border="1"><tr><td>1</td><td>1</td></tr></table> Eleven (Write this number on your Answer Sheet)	1	1
1	1	

PGD - CET - 2014 Roll No.					
Answer Sheet No.					

Question Booklet Sr. No.
(Write this number on your Answer Sheet)

Day and Date : Sunday, 5th 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)

SPACE FOR ROUGH WORK



1. The mode of inheritance in hemophilia is
A) Autosomal dominant B) Autosomal recessive
C) X linked dominant D) X linked recessive
2. A strong crescent shaped fold of duramater lying in the sagittal plane and occupying great longitudinal fissure between two cerebral hemispheres is
A) Falx cerebri B) Diphragmatica sellae
C) Tentorium cerebelli D) Falx cerebelli
3. Brodmann's area number 44 and 45 (Broca's area) is located on
A) Medial surface B) Inferior surface
C) Superolateral surface D) Temporal pole
4. Which one of the following structures develops from all the three germ layers ?
A) Soft palate B) Mitral valve
C) Tympanic membrane D) Tooth
5. Which cells clean the ultrafilter of renal corpuscle ?
A) Mesangial B) Podocytes
C) Juxta-glomerular D) Endothelial
6. Circulatory shock is an example of
A) Hypoxic Hypoxia B) Stagnant Hypoxia
C) Histotoxic Hypoxia D) Anemic Hypoxia
7. The amount of air remaining in the lungs after a normal expiration is
A) Tidal volume B) Functional residual capacity
C) Vital capacity D) Total lung capacity
8. Hemiplegia is produced when the corticospinal tract is damaged at the level of
A) Pons B) Midbrain
C) Medulla D) Internal capsule
9. Positive nitrogen balance is seen in
A) Malignancy B) Pregnancy
C) Uncontrolled Diabetes mellitus D) Burns



10. Substrate for gluconeogenesis is
- A) Glycogen
B) Acetyl CoA
C) Glycerol
D) Leucine
11. Direct Coombs test detects
- A) Antigen in serum
B) Antibodies on RBC surface
C) Antigen on RBC surface
D) Antibodies in serum
12. 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
13. Leucopenia is seen in
- A) Brucellosis
B) Acute myocardial infarction
C) Typhoid
D) Diphtheria
14. Clostridium tetani are following type of bacteria
- A) Spore bearing aerobes
B) Non sporing aerobes
C) Spore bearing anaerobes
D) Non sporing anaerobes
15. Common cause of diarrhoea in AIDS cases is due to
- A) Plasmodium falciparum
B) Cryptosporidium
C) Ascaris lumbricoides
D) Taenia solium
16. 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



17. The pathological state that alters the volume of distribution of many drugs is
- A) Septicemia
B) Duodenal ulcers
C) Congestive heart failure
D) Hypertension
18. 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
19. The antiulcer agent detaches and kills H. Pylori organism and prevents relapses is
- A) Colloidal Bismuth
B) Pirenzipine
C) Misoprostol
D) Sucralfate
20. 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
21. The Antiviral drug recommended for treatment of Herpes Zoster infection of trigeminal nerve distribution in an immunocompromised host is
- A) Fomivirsen
B) Vidarabin
C) Famciclovir
D) Entecavir
22. Which of the following patient require Vit B₁₂ supplementation ?
- A) Patient on strict vegetarian diet
B) Patient with normal B₁₂ level having dementia
C) Patient with elevated Homocystein level
D) General debility
23. Which of the most appropriate cause of urinary stone formation ?
- A) High urinary oxalate
B) Low urinary Mg
C) Low urinary sodium
D) High urinary chloride



24. Which of the following is NOT a characteristic feature of sepsis ?
- A) Temperature $> 38^{\circ}\text{C}$ or $< 36^{\circ}\text{C}$ B) Heart rate $> 90/\text{min}$
C) WBC count $> 12000/\text{mm}^2$ D) Respiratory rate 14-18/min
25. The following clinical presentation qualify for the term “Severe Falciparum Malaria” EXCEPT
- A) Severe anemia B) Acidosis
C) Pulmonary oedema D) High grade fever with rigors
26. The concept of field change or “Cancerization” was proposed by
- A) Pirani B) Dimeglio
C) Paterson D) Slaughter
27. 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
28. The following wound is not untidy
- A) Incised wound B) Crushed wound
C) Avulsed wound D) Lacerated wound
29. Most common cause of primary hyperparathyroidism is
- A) Adenoma B) Ectopic ACTH secretion
C) Hyperplasia of 4 glands D) Idiopathic
30. Branchial fistula is persistent of
- A) First branchial cleft B) First branchial arch
C) Second branchial cleft D) Second branchial arch
31. The initiator in the heat cure polymer powder is
- A) Hydroquinone B) Sulfinic acid
C) Benzoyl peroxide D) Sulfur dioxide



32. 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
33. In acrylic restorative materials, the pumping action of alternately imbibing and exuding fluids is termed as
- A) Imbibition
 - B) Percolation
 - C) Syneresis
 - D) Evaporation
34. 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
35. 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
36. Process in which the hardness of a metal increases during cold working is
- A) Annealing
 - B) Coring
 - C) Work hardening
 - D) Homogenizing
37. 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
38. Duct of Rivinus is associated with
- A) Parotid gland
 - B) Submandibular gland
 - C) Sublingual gland
 - D) Minor salivary gland



39. At the age of nine years, the mandibular permanent first molar has its distal contact with which of the following teeth ?
- A) First premolar B) Second premolar
C) Deciduous 2nd molar D) None
40. The position of maximum intercuspation of upper and lower teeth is referred to as centric
- A) occlusion B) relation C) position D) bite
41. The pulp stem cells are
- A) Pluripotent in nature B) Totipotent in nature
C) Multipotent in nature D) None of the above
42. 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
43. Koilocytes are seen in all of the following EXCEPT
- A) Condyloma acuminatum B) Actinic keratosis
C) Verruca vulgaris D) Squamous papilloma
44. 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
45. 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



46. 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) Papanheimer bodies
47. Blue sclerae may be seen in all types of osteogenesis imperfecta EXCEPT
A) Type I B) Type II C) Type III D) Type IV
48. 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
49. In PRECEDE model of health education R stands for
A) Resolution B) Reinforcing
C) Revolution D) Reforming
50. 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
51. Longer the duration of the disease, the greater is its
A) Incidence B) Both incidence & prevalence
C) Prevalence D) None of the above
52. _____ 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
53. 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
54. Vitamin "D" is derived by radiation of the naturally occurring substance
A) Calcitonin B) Cholecalciferol
C) Cholesterol D) Ergosterol



55. 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
56. 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
57. Early closure of suture is associated with
- A) Treacher Collins Syndrome B) Marfan Syndrome
C) Guzons Syndrome D) Pierre Robin Syndrome
58. The cartilage of the Hyoid arch is
- A) Meckel's cartilage B) Condylar cartilage
C) Reichert's cartilage D) Nasal cartilage
59. Rotational changes in the mandible essentially consist of
- A) Matrix rotation 25% & Intramatrix rotation 75%
B) Matrix rotation 50% & Intramatrix rotation 50%
C) Matrix rotation 100% & Intramatrix rotation 0%
D) Matrix rotation 0% & Intramatrix rotation 100%
60. The maxillary intercanine dimension serves to control the mandibular growth, which is known as
- A) Mechano transduction B) Safety valve mechanism
C) Pterygoid response D) Buccinator mechanism
61. 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



62. A "Papule" is a
- A) flat, solid lesion
 - B) raised solid lesion
 - C) raised blister
 - D) pus containing blister
63. 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)
64. 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
65. 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
66. 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
67. 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
68. Which of the following may develop as a result of juvenile diabetes mellitus ?
- A) Ataxia
 - B) Aphasia
 - C) Deafness
 - D) Blindness



69. 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
70. 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
71. 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
72. 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
73. 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
74. 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
75. Pontic design for anterior region should be of the following to give excellent Aesthetics.
- A) Ridge lap
 - B) Sanitary
 - C) Ovate
 - D) Bullet
76. Which of the following is an example of intraoral tracer ?
- A) Height
 - B) Philip
 - C) Stansbery
 - D) Messerman



77. 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
78. 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) Suprapericervical finish line
79. Minimum solubility of dental cements to oral fluids is seen in
- A) GIC
B) Zinc Polycarboxylate
C) Zinc Phosphate
D) Resin cement
80. Eames technique is otherwise known as
- A) No squeeze cloth technique
B) Increasing dryness technique
C) Blotting mix
D) Mortar and pestle mix
81. Xylitol is a
- A) natural sweet amino acid
B) synthetic sweet amino acid
C) natural five carbon sugar
D) synthetic five carbon sugar
82. Which is an example of retainerless matrix ?
- A) Universal matrix
B) Compound supported matrix
C) Custom made matrix
D) Auto matrix
83. Fluoride release is maximum in
- A) Conventional Glass Ionomer
B) Metal modified Glass Ionomer
C) Resin modified Glass Ionomer
D) Polyacid modified Composite
84. 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



85. The configuration factor ["C" factor] for an occlusal class I cavity is
A) 2 B) 3 C) 4 D) 5
86. Which agent is used in walking bleach technique ?
A) Hydrofluoric acid B) Carbamide peroxide
C) Sodium perborate D) Heines solution
87. Osteoblast covering the periodontal surface of the alveolar bone constitute a
A) modified periosteum B) modified endosteum
C) periosteum D) endosteum
88. Brushite crystals in calculus are found more commonly in
A) Mandibular posteriors B) Mandibular anteriors
C) Maxillary anteriors D) Maxillary posteriors
89. 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
90. 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
91. Degeneration of periodontal tissue without inflammation is called as
A) Desquamative gingivitis B) Chronic periodontitis
C) Periodontosis D) Pericoronitis
92. Keratin specific to epidermal type differentiation are
A) K₁, K₂, K₁₀, K₁₂ B) K₁, K₃, K₁₀, K₁₂
C) K₁, K₂, K₁₀, K₁₃ D) K₁, K₂, K₁₁, K₁₃
93. Which of the following is NOT detected by Evalusite ?
A) A. actinomycetem Comitens B) P. gingivalis
C) P. intermedia D) T. denticola



94. 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
95. 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
96. 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
97. 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
98. 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
99. 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
100. Which of the following does NOT belong to amide group of local anesthetics ?
- A) Mepivacaine B) Bupivacaine C) Lidocaine D) Tetracaine

SPACE FOR ROUGH WORK



SPACE FOR ROUGH WORK