

PGD-CET 2015 QUESTION BOOKLET

Question Booklet Version		
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PGD - CET - 2015 Roll No.					
Answer Sheet No.					

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

Day and Date : Sunday, 4th January, 2015

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 muscle of mastication responsible for wide opening of mouth is
A) Medial pterygoid B) Lateral pterygoid
C) Masseter D) Temporalis
2. Which one of the following syndrome patient exhibits webbing of neck ?
A) Klinefelter syndrome B) Down syndrome
C) Turner syndrome D) Edward syndrome
3. The lymphatics from the median part of the forehead drains to
A) Submandibular nodes B) Submental nodes
C) Preauricular parotid nodes D) Upper deep cervical nodes
4. The mode of secretion of sebaceous gland is
A) Merocrine B) Holocrine C) Apocrine D) Eccrine
5. Which of the following is a derivative of the second (2nd) pharyngeal arch ?
A) Malleus B) Incus C) Stapes D) Maxilla
6. Removal of stomach in peptic ulcer results in
A) Aplastic anaemia B) Megaloblastic anaemia
C) Thalassemia D) Sickle cell anaemia
7. Pain sensation is transmitted by
A) A alpha and B fibers B) A alpha and C fibers
C) A delta and B fibers D) A delta and C fibers
8. Saliva has the following functions EXCEPT
A) Defence function B) Digestive function
C) Absorptive function D) Lubrication function
9. Phenylketonuria is due to defect of the following enzyme
A) Phenylalanine hydroxylase B) Tyrosine hydroxylase
C) Tyrosinase D) Homogentisate oxidase
10. Which of the following vitamins is essential for synthesis of coagulation factor prothrombin ?
A) Vitamin C B) Vitamin K C) Vitamin A D) Vitamin D



11. Pigmented lesions of oral mucosa do occur because of the consumption of following drugs EXCEPT
- A) Nifedipine B) Zidovudine
C) Minocycline D) Oral contraceptives
12. The recommended target HbA_{1C} to minimise the risk of vascular complications in diabetic individual is
- A) 10% or more B) 8% C) 7% or less D) 9%
13. When hypothyroidism is caused by pituitary dysfunction (Central hypothyroidism), the following profile is present
- A) Goitre present, raised TSH, low T₃, T₄
B) No goitre, reduced TSH, low T₃, T₄
C) No goitre, raised TSH, low T₃, T₄
D) Goitre present, reduced TSH, low T₃, T₄
14. A pathogen that causes a haemorrhagic fever that is NOT endemic in India is
- A) Plasmodium falciparum B) Ebola virus
C) Leptospira D) Dengue
15. High risk cardiac lesions for which endocarditis prophylaxis is advised before dental procedures include the following EXCEPT
- A) Prosthetic heart valves
B) Uncomplicated rheumatic heart disease
C) Unrepaired congenital cyanotic heart disease
D) Valvulopathy developing after cardiac transplantation
16. All are the features of Surgical Inflammatory Response Syndrome (SIRS), EXCEPT
- A) Hyperthermia B) Tachycardia
C) Hypothermia D) Bradycardia



17. Plunging Ranula is a type of
A) Retention cyst
B) Extravasation cyst
C) Implantation cyst
D) Malignant tumor
18. In ABCDE of trauma care D stands for
A) Disease
B) Disorder
C) Disability
D) Destruction
19. This is a reason for tissue analysis in surgery after Histopathology
A) FNAC repeated
B) To confirm a suspected or established clinical diagnosis for prognosis of treatment
C) To confirm radiological study
D) Data recording
20. Patient of Ca tongue Rt. lateral margin has single contralateral (Left) submandibular metastatic lymph node of size 4 cm, the patients lymph node staging is
A) N_{2a}
B) N_{2b}
C) N_{2c}
D) N₃
21. Hallmark of Tuberculous Inflammation are EXCEPT
A) Caseous necrosis
B) Langhan's giant cells
C) Epitheloid cell granuloma
D) Liquefactive necrosis
22. Hallmark of malignancy are EXCEPT
A) Pleomorphism
B) Abnormal nuclear morphology
C) Absence of mitoses
D) Loss of polarity of cells
23. Actions of bradykinin include all of the following EXCEPT
A) Vasodilatation
B) Bronchodilatation
C) Increased vascular permeability
D) Pain
24. Which one of the following is the treatment method used for anatomical waste ?
A) Incineration
B) Chemical disinfection
C) Autoclaving
D) Microwaving



25. Scarlet fever is caused by which one of the following microorganism ?
- A) Group 'A' streptococci B) Group 'B' streptococci
C) Group 'C' streptococci D) Viridans group of streptococci
26. The most potent diuretic amongst the following is
- A) Bumetanide B) Furosemide
C) Torsemide D) Ethacrynic acid
27. The anti-retroviral drug used in low dose to boost other protease inhibitors is
- A) Atazanavir B) Indinavir
C) Saquinavir D) Ritonavir
28. The standard local anaesthetic preparation used in dental practice is
- A) Lidocaine (2%) with adrenaline (1 : 80,000)
B) Dibucaine (2%)
C) Bupivacaine (0.5%) with adrenaline (1 : 200,000)
D) Ropivacaine
29. Antiepileptic drug producing gum hypertrophy as adverse effect is
- A) Phenytoin B) Carbamazepine
C) Gabapentin D) Lamotrigine
30. Amlodipine is used in the treatment of hypertension because it
- A) reduces heart rate
B) is a diuretic
C) inhibits calcium channel in the blood vessels
D) reduces sympathetic activity
31. Which of the following is NOT a natural abrasive ?
- A) Arkansas stone B) Pumice
C) Tripoli D) Rouge



39. First evidence of calcification in Permanent Maxillary Lateral incisor is
- A) At birth B) 3 – 4 months
C) 8 months D) 12 months
40. The premature loss of Reduced Enamel Epithelium (REE) permits connective tissue to come in direct contact with enamel thus depositing a thin layer of cementum on the cervical enamel. This cementum is of which type ?
- A) Cellular mixed fiber cementum
B) Cellular mixed stratified cementum
C) Acellular extrinsic fiber cementum
D) Acellular afibrillar cementum
41. Amongst the non-keratinocytes of oral epithelium the non-dendritic tactile sensory cells present in the basal cell layer are
- A) Melanocytes B) Langerhan cells
C) Lymphocytes D) Merkel cells
42. The dentin with greater degree of Mineralization is
- A) Inter globular dentin B) Inter tubular dentin
C) Peri tubular dentin D) Secondary dentin
43. Permanent mandibular first molar is a common site for all the lesions EXCEPT
- A) Pulp polyp B) Condensing osteitis
C) Lateral periodontal cyst D) Benign cementoblastoma
44. Thrush refers to
- A) Acute pseudomembranous candidiasis
B) Acute atrophic candidiasis
C) Chronic atrophic candidiasis
D) Chronic hyperplastic candidiasis
45. The radiographic appearance of cherubism is
- A) Unilateral, multilocular radiolucency
B) Unilateral, unilocular radiolucency
C) Bilateral, unilocular radiolucency
D) Bilateral, multilocular radiolucency
46. Keratinising metaplasia of salivary glands results due to deficiency of
- A) Vitamin A B) Thiamine C) Riboflavin D) Vitamin E



47. Brown tumor of hyperparathyroidism is histologically identical to
- A) Pyogenic granuloma B) Periapical granuloma
C) Fibrous dysplasia D) Central giant cell granuloma
48. The most common site for oral soft tissue metastasis is
- A) Buccal mucosa B) Gingiva
C) Floor of the mouth D) Tongue
49. Symbolic stripped 'Y' classification for cleft lip and palate was given by
- A) Veou B) Kernahan
C) Jackson D) Edward H. Angle
50. According to the type of movement of the Anchorage unit it can be classified as all EXCEPT
- A) Simple B) Compound C) Reciprocal D) Stationary
51. Angles classification is based on the postulate that key to occlusion is
- A) Maxillary 1st Molar B) Mandibular 1st Molar
C) Maxillary Canine D) Mandibular Canine
52. Implants used in orthodontics are
- A) Endo-osseous implants B) Transosseous implants
C) Micro implants D) Bioresorbable implants
53. The length of tongue spike in tongue thrusting habit breaking appliance should be upto the
- A) Incisal edges of maxillary incisors
B) Incisal edges of mandibular incisors
C) Cingulum of mandibular incisors
D) Cervical margin of mandibular incisors
54. Cephalometric tracing showing superimposition from pre-treatment to retention, the post-treatment tracing is done in
- A) Black colour B) Red colour
C) Green colour D) Blue colour



55. Intravenous dose of midazolam is
- A) 0.05 – 0.1 mg/kg B) 0.01 – 0.05 mg/kg
C) 0.4 – 1 mg/kg D) 0.2 – 0.3 mg/kg
56. Indications for use of stainless steel crowns in primary teeth are all EXCEPT
- A) Restoration of hypoplastic teeth
B) Following pulpotomy or pulpectomy procedure
C) Teeth which are not restorable
D) As an abutment for space maintainer
57. The ideal method for restoring a fractured tooth is
- A) Open faced stainless steel crown
B) Reattachment of fractured tooth segment
C) Stripcrown
D) Composite resin restoration
58. The window of infectivity during which teeth get infected with *S. Mutans* is
- A) 7 – 14 months B) 19 – 33 months
C) 35 – 64 months D) 6 – 7 years
59. When dentist says, “I can not fix your teeth if you do not open your mouth wide”, he is employing.
- A) Voice control B) Behaviour shaping
C) Negative reinforcement D) Problem ownership
60. In regenerative endodontic therapy of young permanent teeth, metronidazole is replaced by
- A) Ornidazole B) Doxycycline
C) Chloramphenicol D) Cloxacillin
61. Which of the following is INCORRECT condition – Drug combination ?
- A) HIV-AIDS – Azidothymidine
B) Herpes zoster – Azathioprine
C) Migraine – Ergotamine
D) Rheumatoid arthritis – Methotrexate



62. A 40 year old male patient presents with a painless swelling causing fullness of upper lip and elevation of nostril on left side. The only positive radiographic finding is unilateral elevation of floor of nasal cavity-probable diagnosis is
- A) Globulomaxillary cyst B) Polyp in the nasal cavity
C) Radicular cyst D) Nasolabial cyst
63. Which of the following structures/objects can give risk to Ghost image on orthopantomograph (OPG) ?
- A) Nose ring B) Vertical ramus of mandible
C) Foreign body in upper lip D) Lip ornament
64. An 'onion-skin appearance' is a radiographic feature of
- A) Garre's osteomyelitis B) Paget's disease
C) Fibrous dysplasia D) Periapical cemental dysplasia
65. A pathergy test can be performed for the diagnosis of
- A) Sjogren's syndrome B) Behcet's syndrome
C) Stevens Johnson syndrome D) Grinspan syndrome
66. All the following conditions can lead to depapillation of the tongue EXCEPT
- A) Plummer-Vinson syndrome B) Amyloidosis
C) Pernicious anemia D) Luetic glossitis
67. In which type of examination method, mirror explorer and good illumination is used ?
- A) Type 1 B) Type 2 C) Type 3 D) Type 4
68. Multiple Regression Analysis is applied to
- A) Compare medians of two independent samples
B) Compare medians of several independent samples
C) Test association between two categorical variables
D) Tests relation between dependent variable and several independent variables



69. Physical Quality of life index includes
- A) Life expectancy at birth, adult literacy rate and income
 - B) Infant mortality rate, life expectancy at birth and income
 - C) Infant mortality rate, life expectancy at age one and literacy
 - D) Adult literacy rate, income life expectancy at age one
70. Formative evaluation of a programme is done
- A) For actualization and final operation of programme
 - B) To decide to continue or terminate the programme
 - C) To judge the merit of programme after it has been in operation
 - D) To examine process as they are taking place
71. CARE stands for
- A) Co-operative for Assistance and Relief Everywhere
 - B) Council of American Relief for Everybody
 - C) Central Association of Relief in Emergency
 - D) Children Association of Relief in Emergency
72. The Central Government Health Scheme (CGHS) was established in the year
- A) 1948
 - B) 1953
 - C) 1954
 - D) 1955
73. The tissue stops should engage buccal and lingual slopes of residual ridge for
- A) Stability
 - B) Support
 - C) Retention
 - D) Reciprocation
74. Complete denture patients have a preference for which region, when consistency of food is tough
- A) 2nd molar region
 - B) 1st molar region
 - C) Premolar region
 - D) Premolar and molar region
75. The most commonly used pontic design in the appearance zone for both maxillary and mandibular fixed partial dentures is
- A) Ridge lap
 - B) Hygienic
 - C) Conical
 - D) Modified ridge lap



76. Most important advantage of using overdenture is
- A) Provide proprioception from PDL to patient while chewing
 - B) The apparent ease with which patient seems to adapt to overdenture
 - C) Overdenture is easier to construct than a conventional denture
 - D) Decrease Alveolar Ridge Resorption
77. The Lingual Bar connector is
- A) 4 guage, oval shaped
 - B) 4 guage, half pear shaped
 - C) 6 guage, oval shaped
 - D) 6 guage, half pear shaped
78. Flabby ridge is seen most commonly in the
- A) anterior maxilla
 - B) posterior maxilla
 - C) anterior mandible
 - D) posterior mandible
79. The term 'arcon' is coined by
- A) Hanau
 - B) Bergstrom
 - C) Winkler
 - D) Gysi
80. The hemidesmosomes of the basal epithelial cells of the gingival epithelium abut the
- A) lamina propria
 - B) lamina lucida
 - C) lamina densa
 - D) lamina dura
81. Radius of action of bacterial plaque which can induce loss of bone is
- A) 0.5 mm to 1.5 mm
 - B) 1.5 mm to 2.5 mm
 - C) 2.5 mm to 3.5 mm
 - D) 3.5 mm to 4.5 mm
82. The length of junctional epithelium ranges from :
- A) 0.25 to 1.35 mm
 - B) 0.35 to 1.25 mm
 - C) 0.25 to 1.50 mm
 - D) 0.35 to 1.50 mm
83. Osteoporosis is a skeletal condition characterised by
- A) Decreased mineral density
 - B) Decreased blood flow
 - C) Decreased healing
 - D) Decreased local calcium uptake
84. The strip technique which is a variant of free gingival graft was developed by
- A) Rateitschak et. al.
 - B) Han et. al.
 - C) Edel et. al.
 - D) Bjorn et. al.



85. Necrotizing Ulcerative Gingivitis has been demonstrated to be :-
A) Communicable but not transmissible
B) Both communicable and transmissible
C) Transmissible but not communicable
D) Neither transmissible nor communicable
86. Adequate vestibular depth is important for
A) Good aesthetics
B) Good occlusion
C) Good oral hygiene
D) Muscular function
87. Paroxysmal lacrimation during mastication occurs due to damage to
A) Facial nerve
B) Auriculotemporal nerve
C) Occulomotor nerve
D) Mandibular nerve
88. The colloidal plasma expander used in treatment of hypovolemic shock is
A) 5% dextrose saline
B) Normal saline
C) Ringer lactate
D) 6% dextran
89. Which of the following graft has high success rate ?
A) Autogenous graft
B) Allogenic graft
C) Isogenic graft
D) Xenograft
90. Which of the following cyst has highest rate of recurrence ?
A) Dentigerous cyst
B) Keratocyst
C) Radicular cyst
D) Follicular cyst
91. A patient reports with circumorbital echymosis, sub conjunctival hemorrhage at outer canthus of eye and limitation of mandibular movement. The most likely diagnosis is
A) Zygomatic complex fracture
B) Lefort I fracture
C) Naso-orbito-ethmoidal fracture
D) Mandibular fracture
92. Augmentation genioplasty is done to
A) Correct facial asymmetry
B) Increase the chin projection
C) Increase the facial height vertically
D) Reduce the symphysis



93. Treatment of choice for palatal hyperplasia occurring due to denture irritation is
- A) Discontinuation of dentures B) Radicular excision
C) Supraperiosteal excision D) No treatment necessary
94. K-flex file is traditionally made from
- A) Triangular blank B) Rhomboid blank
C) Square blank D) Round blank
95. Patient is undergoing a treatment for nonvital discolored central incisor i.e. nonvital tooth bleaching procedure which may cause
- A) Internal resorption B) Cervical resorption
C) External resorption D) Condensing osteitis
96. C-shaped canals are found most commonly in
- A) Mandibular 1st molar B) Mandibular 2nd molar
C) Maxillary 1st molar D) Maxillary 2nd molar
97. The most conservative tooth preparation for amalgam is prepared with
- A) No. 245 bur B) No. 330 bur
C) No. 169L bur D) No. 271 bur
98. First step in removal of Rubber dam is
- A) Removing the retainer B) Removing the dam
C) Cutting the rubber dam septa D) Removing the frame
99. Atraumatic Restorative Treatment (ART) technique utilises
- A) Glass ionomer cement B) Composite resin
C) Silver amalgam D) Reinforced zinc oxide eugenol cement
100. The Tin-Mercury Phase (γ_2) of silver amalgam undergoes
- A) Surface corrosion B) Penetrating corrosion
C) No corrosion D) Delayed corrosion

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