



INDIRA GANDHI GOVT. DENTAL COLLEGE, JAMMU.

OFFICE OF THE PRINCIPAL & DEAN

Address:- Rehari Chungi, Jammu, Jammu & Kashmir, 180005

Email ID: principaliggdc-jk@nic.in

Email ID: iggdcjprincipal@yahoo.com

Ph. No: 0191-2953827

NOTICE

The question paper, along with the answer key for the written examination conducted on 07.08.2026 for the post of Senior Resident/Registrar in the Department of Prosthodontics & Dental Materials, Indira Gandhi Government Dental College, Jammu, is enclosed as Annexure "A."

Query, if any be communicated through official E-mail (i.e., principaliggdc-jk@nic.in) by or before 08.08.2026 upto 04:00 P.M. No queries will be accepted after given date and time.


Administrative Officer,
Indira Gandhi Govt. Dental College,
Jammu.

No:- IGGDCJ/Estt/GD/1630-35

Dated: - 07.08.2026

Copy to the:-

1. Commissioner/Secretary to Govt., Health & Medical Education Department. Civil Secretariat, Jammu for kind information.
2. Director, Doordarshan Kendra/ Radio Kashmir, Jammu for inf. & na.
3. Joint Director, Information Department, Jammu for publication in two leading local English dailies, one from Jammu (Daily Excelsior) and one from Srinagar (Greater Kashmir).
4. Computer Programmer to upload the above Notice on College Website.
5. Notice Board.

INDIRA GANDHI GOVT. DENTAL COLLEGE, JAMMU

MCQ Based Examination

For the Post of Registrar in Prosthodontics and Crown & Bridge

Dated:- 07-08-2026

Time:- 60 Minutes

Maximum Marks:- 300

Name of the candidate:- _____

Roll No:- _____

Read the following instructions: -

1. Each question carry four marks and one negative mark for each wrong/incorrect answer & opting more than one answer. Zero mark will be awarded for not attempting the question. Your answers to the multiple choice questions must be marked on the sheet provided.
2. Before you start the examination, check that your answer sheet is free from printing defects, i.e. misaligned contents, faded print, missing print, repetitive defects, smeared or smudged. Ask the invigilator to replace your answer sheet if it has printing defects.
3. In the upper section, clearly fill the requisite information, including your Name and Roll No and do signature on each sheet.
4. Read each question carefully. Using a Black/Blue ball Pen, Tick ✓ the corresponding of the correct answer/option .
 - a. Only Tick ✓ Do NOT cross, or underline . An incorrect mark may produce improper results
 - b. Tick ✓ only ONE answer for EACH question. If more than one Tick ✓ is marked for a single question, your answer for that question will be invalid and awarded with -ve mark.
5. Avoid unnecessary Tick ✓ marks on the answer sheet. Stray marks on or near the Tick Mark ✓ may affect your score as the same considered as wrong option.
6. Do NOT fold or crease your answer sheet.

MULTIPLE CHOICE QUESTIONS

1. Strength of gypsum products is generally expressed in terms of:
 - A. Compressive strength
 - B. Tensile strength
 - C. Wet strength
 - D. Green strength
2. Temperature for ~~brazing~~ is: (brazing)
 - A. 250°
 - B. 250-350°
 - C. 350-450°
 - D. Greater than 450°
3. Microwave curing of acrylic resin depicts:
 - A. Heat conduction
 - B. Energy connexion
 - C. Electrical resistance
 - D. Electromagnetic waves
4. Surface energy of which material is more than dentin:
 - A. Enamel
 - B. Gold alloy
 - C. CP titanium
 - D. Nickel chromium
5. Not a test to measure ductility:
 - A. Cold bend test
 - B. Barcol test
 - C. Reduction in area in fractured region ends
 - D. Percentage elongation after fracture
6. Porosity due to gas inclusion during rapid solidification of molten alloy is:
 - A. Suck back
 - B. Micro porosity
 - C. Pinhole
 - D. Back pressure
7. True about hydroquinone?
 - A. Inhibitor used in polymer
 - B. Inhibitor used in monomer
 - C. Initiator used in monomer
 - D. Initiator used in polymer
8. Not true about flux?
 - A. Prevents formation of oxides
 - B. Dissolves oxides
 - C. Reduce any oxide present, expose clean metal
 - D. Form protective oxide layer
9. What is observed when load is applied on a wire below the modulus of elasticity and released?
 - A. Plastic deformation
 - B. Fracture
 - C. Springiness
 - D. Toughness
10. When two solid surfaces rest or slide over each other, a very small area has real contact that are known as?

- A. Duchenne
 - B. Asperities
 - C. Point
 - D. Binding
11. New monomer that improve clinical properties?
- A. Silorane
 - B. Sialoxane
 - C. Silanes
 - D. Silocanes
12. In VITA 3D master shade guide, what is the correct sequence of shade selection
- A. Hue-chrome-value
 - B. Value-chrome-hue
 - C. Hue-value-chrome
 - D. Chrome-hue-value
13. Nickel added to stainless steel for?
- A. Corrosion resistance
 - B. To provide strength and stabilisation of austenitic phase
 - C. Low temperature sintering
 - D. To improve yield strength
14. Stabilisation in stainless steel is obtained by addition of
- A. Nickel
 - B. Chromium
 - C. Cobalt
 - D. Titanium
15. Least shelf life is shown by?
- A. Poly ether
 - B. Polysulphide
 - C. Condensation silicon
 - D. Addition silicon.
16. Which filler is used in alginate?
- A. Calcium sulphate
 - B. Potassium titanium fluoride
 - C. Sodium phosphate
 - D. Diatomaceous earth
17. Which of the following is not a processing wax?
- A. Sticky wax
 - B. Utility wax
 - C. Base plate wax
 - D. Boxing wax.
18. Passivity of the cobalt chromium alloy is due to?
- A. Chromium carbide.
 - B. Chromium oxide.
 - C. Chromium chloride.
 - D. Chromium sulphide.
19. Severe resorption is associated with
- A. Small gonial angle
 - B. Large gonial angle
 - C. Convex facial profile
 - D. High palate
20. Columellar philtrum angle is increased:

- A. Sign of ageing characteristics in dentulous patients
 - B. Sign of ageing characteristics in edentulous patients
 - C. Implant supported denture
 - D. Implant retained denture
21. Most common area of fracture of maxillary denture is
- A. Tori
 - B. Buccal frenum
 - C. PPS
 - D. Anteroposterior direction, including labial notch
22. Higher border coverage of denture base is explained by?
- A. Realeff effect
 - B. Benzold-burke effect
 - C. Snowshoe effect
 - D. Stability
23. Difference between HanauVue and Hanau Vue II is
- A. Condyles are open in both
 - B. Condyles are closed in both
 - C. Condyles are open in Hanau Vue and closed in Hanau Vue II
 - D. Condyles are open in Hanau Vue II and closed in Hanau Vue
24. Witch chin is seen in?
- A. Prognathic mandible
 - B. During harvesting of bone from symphysis
 - C. More vertical dimension at occlusion
 - D. Horizontal mandibular ridge advancement
25. While recording the impression, how much should the head be tilted in relation to the horizontal plane for optimum depression of the soft palate?
- A. 60
 - B. 20
 - C. 30
 - D. 90
26. Arrange the following vita guide from lighter to darker shade?
- A. A1A2B1B2
 - B. B1A1B2A2
 - C. A1B1C1D1
 - D. B1A1A2D2
27. The appropriate sequence for correction of occlusion interference is?
- A. Protrusive balance working
 - B. Balance working protrusive
 - C. Working protrusive balancing
 - D. Working balancing protrusive
28. Occlusal correction of natural teeth opposing single complete denture is done at?
- A. At time of post insertion, recall if required
 - B. Before construction of the denture
 - C. At time of delivery
 - D. At try in
29. In classic VITA shade B1-C4 guide, what does B represent?
- A. Reddish grey
 - B. Reddish brown
 - C. Reddish yellow
 - D. Reddish blue

30. A man living in tropical area came for prosthetic treatment. Which type of base plate wax is used in the process?
- A. Type 1
 - B. Type 2
 - C. Type 3
 - D. Type 4
31. A complete denture patient is experiencing chattering sound while talking. What could be the cause?
- A. Increased vertical dimension
 - B. Patient is having neuromuscular problem
 - C. Patient must practice on how to talk with denture
 - D. Problem with occlusion
32. Patient with more upright central incisors than usual, the finding possible in this case is?
- A. Canine guidance is difficult to establish in this case
 - B. Posterior cross bite
 - C. Labio-lingual more positive inclination
 - D. Posterior open bite
33. Which of the following is correct for support area of edentulous arch?
- A. 22.96 cm² for maxilla
 - B. 15.25 cm² for mandible
 - C. 45 cm² periodontal support area in single arch
 - D. 19.96 cm² for maxilla
34. In a study by Beck in 1957, which points are present within 5mm radius of hinge axis?
- A. Gysi
 - B. Bergstorm
 - C. Beyron
 - D. All
35. Correct statement regarding anteroposterior compensating curve?
- A. Helps in condylar guidance
 - B. Helps in incisal guidance
 - C. Stimulates curve of spee
 - D. Balance in protrusion
36. Which muscle is not part of the modiolus?
- A. Zygomaticus major
 - B. Zygomaticus minor
 - C. Quadratus anguli oris
 - D. Quadratus labii inferiorus.
37. Food impaction under mandibular RPD is due to?
- A. Overextended RPD flange
 - B. Under extended flange
 - C. Improper occlusion
 - D. Thin flange
38. Pier abutment Keyway exists in?
- A. Mesial of middle abutment
 - B. Distal of middle abutment
 - C. Distal of anterior abutment
 - D. Mesial of distal abutment
39. Mandible has been classified as Class III lever, where fulcrum is?

- A. Elevator muscles.
 - B. Biting force.
 - C. Condyles
 - D. Chin region.
40. Which joint is present between major and minor connector of partial denture?
- A. Acute
 - B. Ball and socket
 - C. Obtuse
 - D. Butt joint
41. In Kennedy class I, which type of retainer is used?
- A. RPI
 - B. Ring clasp
 - C. Circumferential clasp
 - D. Embrasure clasp
42. Surveyor is used for all except?
- A. Intra coronal attachment
 - B. Ceramic veneer crowns
 - C. Measuring depth of undercut
 - D. Inlay wax pattern
43. In circumferential clasp, encirclement is?
- A. 160°
 - B. 180°
 - C. 120°
 - D. 360°
44. True about RPI clasp in a distal extension, cast partial denture is?
- A. Used in buccally inclined molar
 - B. Provides pull type retention
 - C. Provides push type retention
 - D. Used in lingually inclined molar
45. A patient with missing second premolar and first molar need rest preparation on mesial side of second molar, what should be the order of rest preparation with proximal preparation?
- A. No specific order
 - B. Prepared simultaneously
 - C. Rest preparation must follow proximal preparation
 - D. Rest preparation must precede proximal preparation
46. In RPD fabrication, first step is to:
- A. Guide plane preparation
 - B. Rest seat preparation
 - C. Diagnosis
 - D. Treatment planning
47. Sticky food will act as class III lever in which class of Kennedy classification?
- A. Class 1
 - B. Class 2
 - C. Class 3
 - D. Class 4
48. An interim removable partial denture is not used
- A. To establish a new occlusal relationship
 - B. To establish vertical dimension
 - C. To condition remaining teeth and edentulous ridge

- D. For extended period
49. Unification of all RPD components is done by
A. Minor connector
B. Occlusal rest
C. Major connector
D. Denture base
50. Bracing in RPD is defined as?
A. Resistance to displacement away from alveolar ridge
B. Resistance to displacement in anteroposterior direction
C. Resistance to displacement toward the associated tissues
D. None of the above
51. Custom made mouth guards used in sports are most commonly made from?
A. Polyvinyl chloride
B. Acrylonitrile butadiene
C. Ethylene vinyl acetate
D. Polyurethane
52. The reason of discolouration of denture which is made from self-cured resin is?
A. Tertiary amine oxidation.
B. Leaching of excess monomer
C. Raise temperature due to consumption of hot beverage
D. Prolonged use
53. A 32 years old male with cast partial denture complaints of impingement of mucosa during function. On examination, denture base was without over extension. What could be the cause?
A. Retentive terminal
B. Reciprocal arm
C. Defective occlusal rests
D. Rigid major connector
54. A 60-year-old non-smoker patient with multiple keratotic plaques over the ridge with roughened elevated projections on the surface. How will you diagnose the condition?
A. FNAC
B. X-ray
C. Biopsy
D. Urine analysis
55. For implants
A. Vertical height min 10 mm, horizontal 6mm
B. Vertical height min 12 mm, horizontal 6mm
C. Vertical height min 6mm, horizontal 10 mm
D. Vertical height min 6mm, horizontal 12 mm
56. Reinforcing crystals in In Cearm are made up of?
A. Alumina
B. Leucite
C. Zirconia
D. Glass
57. Minimum distance of implant from inferior alveolar nerve should be at least
A. 4mm
B. 3mm
C. 2mm
D. 0.5 mm
58. Skyfuration is seen

- A. Maxillary molars
 - B. Maxillary premolars
 - C. Mandibular molars
 - D. Mandibular premolars
59. Hollow ground margins in tooth preparation is:
- A. Deep chamfer
 - B. Knife edge
 - C. Shoulder
 - D. Shoulder with bevel
60. Implant level impression with close tray technique with medium consistency poly ether and relief of 2mm, tearing of impression at several sites occur because of
- A. Improper isolation
 - B. Snap removal of impression
 - C. In adequate relief
 - D. Because of medium consistency used
61. 54-year-old man, teacher by profession has Kennedy class 1 maxillary and completely edentulous lower arch, maxillary anteriors have ceramic crowns with grade 1 mobility, what should be the treatment plan?
- A. Extraction of anteriors and complete denture in both arch
 - B. Implant supported over denture in lower arch and implants in maxilla
 - C. Lower complete denture and upper removable partial denture
 - D. Upper extraction and implant supported denture both arch
62. A 24-year-old girl with missing for 46, 47 and 48, supra erupted maxillary molars with only 3 mm inter occlusal space left, what should be the ideal treatment plan?
- A. Endodontic treatment and correction of occlusal plane of maxillary molars
 - B. Extraction of upper molars and distal extension RPD
 - C. Orthodontic intrusion of molars and implants in lower missing region
 - D. Lower removable acrylic only
63. Width needed for implant size of 4 mm?
- A. 2 mm
 - B. 6 mm
 - C. 12 mm
 - D. 16 mm
64. Angle of insertion of Mini implant is?
- A. 15 to 30°
 - B. 45 to 60°
 - C. 10 to 15°
 - D. 60-70 degrees
65. Which material is indicated for a crown preparation where 0.3 - 0.5 mm width of finish line remains?
- A. Pressable ceramics
 - B. PFM
 - C. Acrylic
 - D. Cast metal
66. What should be done if during crown cementation, crown fits properly on die but 0.3 mm gap persists after insertion intraorally?
- A. Occlusal reduction
 - B. Mechanical burnishing
 - C. Hand burnishing
 - D. New crown preparation

67. Material used for maxillofacial prosthesis that shows discolouration?
- A. Chlorinated polyethylene
 - B. Silicon
 - C. Polyurethane
 - D. Polyvinyl chloride
68. Cleaning of denture is done with?
- A. Sodium hypochlorite as oxygenating agent.
 - B. Sodium perborate as dilute acid
 - C. Microwave at 650 watts for 3 min
 - D. With acetone and ether
69. Which is true statement for Seibert's class 1 type?
- A. Horizontal bone loss in FPD
 - B. Vertical bone loss in FPD
 - C. Order of ridge in completely edentulous patients
 - D. Applicable for only mandibular arch
70. A 32-year female demands best aesthetic replacement of her missing central incisor in?
- A. Monolithic zirconia
 - B. Layered zirconia
 - C. PFM
 - D. Lithium disilicate
71. A patient came to dental OPD with missing lateral incisor and patient does not want bone grafting for the treatment. What will you give him for the first choice of treatment?
- A. FPD from canine to central incisor
 - B. Cantilever from canine to replace lateral
 - C. Cantilever from premolar to lateral
 - D. Resin bonded
72. Provisional crowns shall provide all except
- A. Pulp protection
 - B. Arch stability
 - C. Gingival retraction
 - D. Maintain occlusal contact
73. What is the advantage of restoring an implant with screw retained prosthesis?
- A. Restoration in reduced inter occlusal space
 - B. Easy lab
 - C. Weak abutment prosthesis junction
 - D. Difficult to retrieve
74. Ideal arch form for placement of long span cantilever in edentulous arch is?
- A. Square
 - B. U-square
 - C. Tapering
 - D. Triangular
75. Most common complaint of patient with auricular defect having implant retained prosthesis is?
- A. Low retention
 - B. Low support
 - C. Low stability
 - D. Difficulty in hygiene maintenance

ANSWER KEY

S. NO.	ANSWER	S. NO.	ANSWER
1.	A	2.	D
3.	D	4.	A
5.	B	6.	C
7.	B	8.	D
9.	C	10.	B
11.	A	12.	B
13.	B	14.	D
15.	C	16.	D
17.	C	18.	B
19.	A	20.	B
21.	D	22.	C
23.	D	24.	B
25.	C	26.	B
27.	B	28.	B
29.	C	30.	C
31.	A	32.	A
33.	A	34.	B
35.	D	36.	B
37.	B	38.	B
39.	C	40.	D
41.	A	42.	D
43.	B	44.	C
45.	C	46.	C
47.	C	48.	D
49.	C	50.	B
51.	C	52.	A
53.	C	54.	C
55.	A	56.	D
57.	C	58.	A
59.	A	60.	C
61.	B	62.	C
63.	B	64.	D
65.	D	66.	D
67.	D	68.	C
69.	A	70.	D
71.	A	72.	C
73.	A	74.	C
75.	D		