



CBRT - 2020 Question Paper Grid

Government of Goa

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Lecturer(Periodontology)

Passage:

Mikhail Gorbachev's ouster, through dramatic in every respect, is on no account a surprise. Both his foes and his closest friends have been warning him of it with a heightening sense of urgency for the past several months. Its consequences, however, are wholly unpredictable. The Soviet Union, could well witness protracted violence on a mass scale should the reformist and republics, those which have sought varying degrees of sovereignty for themselves, choose to defy the central authority. It is possible that the country after an initial period of uncertainty, and perhaps even violence, could revert to the pre-perestroika system. Equally uncertain is the course of East-West relations. These are bound to deteriorate through the extent of deterioration must remain a matter of conjecture. Hailed abroad as a leader who had dared to free Soviet Citizens from fear, who had enabled the countries of Eastern Europe to become democracies even as they regained their full sovereign status, who had paved the way for the reunification of Germany and who had exposed the moribund and totalitarian character of communism, he appeared, at home, to come under fire from all sides.

Itemcode : ER1071

Q1 : Under Gorbachev's term, the Soviet people were

- (a) Afraid to speak
- (b) Indisciplined and lazy
- (c) Committed to Communism
- (d) Not afraid to criticize

Key: **D**

Itemcode : ER1072

Q2 : The relations between the Soviet Union and Western Countries

- (a) are likely to remain unaffected
- (b) may improve considerably
- (c) will definitely get worse
- (d) will fluctuate

Key: **C**

Itemcode : ER1073

Q3 : The post- Gorbachev era may witness

- (a) A more open economy
- (b) reversal of perestroika
- (c) Greater role for reformers
- (d) Sovereignty for Republics

Key: **B**

Itemcode : ER1074

Q4 : As a result of his policies, the countries of Easter Europe became

- (a) Democratic and truly independent
- (b) Authoritarian and inhuman
- (c) United and totalitarian
- (d) Democratic but with a monarchy

Key: **D**

Itemcode : ER1075

Q5 : The removal of Mikhail Gorbachev from power is

- (a) Thrilling and extraordinary
- (b) Dramatic but expected
- (c) Vivid and shocking
- (d) Strange and cruel

Key: **B**

Itemcode : ER1061

Q6 : Which word is the odd man out?

- (a) hate
- (b) fondness
- (c) liking
- (d) Attachment

Key: **A**

Itemcode : ER1062**Q7 :** REPORT is related to UGSQUV in the same way as LONGER is related to

- (a) OQPIHT
- (b) OQQFGS
- (c) OQQIHT
- (d) QPQHIT

Key: **C****Itemcode : ER1063****Q8 :** The following text is followed by four alternative summaries. Choose the option that best captures the essence of the text.

All human rights are indivisible, whether they are civil and political rights, such as the right to life, equality before the law and freedom of expression; economic, social and cultural rights, such as the rights to work, social security and education; or collective rights, such as the rights to development and self-determination, are indivisible, interrelated and interdependent. The improvement of one right facilitates advancement of the others. Likewise, the deprivation of one right adversely affects the others.

- (a) Deprivation of one person's rights adversely affects rights of another person.
- (b) Human rights are a combination of economic, social and cultural rights.
- (c) Human rights are interdependent and interrelated.
- (d) Improvement of one right facilitates advancement of others.

Key: **C****Itemcode : ER1064****Q9 :** 4 If the number of students who passed in exactly two subjects was equal to number of students who failed in exactly two subjects, then which of the following could not be a possible number of students who passed in all the three subjects?

- (a) 24
- (b) 20
- (c) 15
- (d) 30

Key: **C****Itemcode : ER1065****Q10** Find out whether the given argument is:

:
 There are hundred marbles in the box
 One of the marbles is red.
 Ninety nine of the marble is blue.
 Therefore, the probability that next marble picked will be blue is 99%.

- (a) Inductive
- (b) Deductive.
- (c) Both
- (d) Cannot say

Key: **B****Itemcode : ER1066****Q11** The below argument is:

:
 Some students are boys.
 Someone is not a student.
 Therefore, someone is not a boy

- (a) Invalid
- (b) valid
- (c) Data is not sufficient
- (d) Inductive

Key: **A****Itemcode : ER1067****Q12** Given a series 31,28,36,26,41,24,46,22,.....the next two terms are

:

- (a) 20,44
- (b) 48,20
- (c) 51,20
- (d) 56,22

Key: **C****Itemcode : ER1068****Q13** Find the x in the sequence: 5, 7, 25, 131, x, 8335

:

- (a) 925
- (b) 990
- (c) 1233
- (d) 1325

Key: **A****Itemcode : ER1069****Q14** On weekends, Mr. Sanchez spends many hours working in his vegetable and flower gardens. Mrs. Sanchez spends her free time reading and listening to classical music. Both Mr. Sanchez and Mrs. Sanchez like to cook.

- (a) Sanchez enjoys planting and growing vegetables.
(b) Sanchez does not like classical music.
(c) Mrs. Sanchez cooks the vegetables that Mr. Sanchez grows.
(d) Mrs. Sanchez enjoys reading nineteenth century novels.

Key: **A**

Itemcode : **ER1070**

Q15 Look carefully for the pattern, and then choose which pair of numbers comes next.

: 8 12 9 13 10 14 11

- (a) 14 11
(b) 15 12
(c) 8 15
(d) 15 19

Key: **B**

Itemcode : **ER1051**

Q16 Which state government has decided to launch a scheme called 'Ektu Khelo, Ektu Padho' which means 'Play little, Study little', from June 25, 2020?

- (a) Tripura
(b) West Bengal
(c) Sikkim
(d) Assam

Key: **A**

Itemcode : **ER1052**

Q17 Who invented the internet?

:

- (a) Robert E. Kahn and Vint Cerf
(b) Philip Diehl
(c) William Sturgeon
(d) Frederick Banting

Key: **A**

Itemcode : **ER1053**

Q18 B. C. Roy Award is given in the field of

:

- (a) Music
(b) Journalism
(c) Medicine
(d) Environment

Key: **C**

Itemcode : **ER1054**

Q19 OS' computer abbreviation usually means ?

:

- (a) Order of Significance
(b) Open Software
(c) Operating System
(d) Optical Sensor

Key: **C**

Itemcode : **ER1055**

Q20 Which year is observed as Poverty Eradication Year by SAARC?

:

- (a) 1998
(b) 1997
(c) 1996
(d) 1995

Key: **D**

Itemcode : **ER1056**

Q21 Which of the following dances is a solo dance?

:

- (a) Ottan Thullal
(b) Kuchipudi
(c) Yakshagana
(d) Odissi

Key: **A**

Itemcode : **ER1057**

Q22 Which of the following is not associated with the UNO?

:

- (a) ILO
(b) WHO
(c) ASEAN

(d) All of the above

Key: **C**

Itemcode : **ER1058**

Q23 Who was the first Indian to be President of UN General Assembly?

:

- (a) Vijay Lakshmi Pandit
- (b) Ramesh Bhandari
- (c) Natwar Singh
- (d) Krishna Menon

Key: **A**

Itemcode : **ER1059**

Q24 Which of the following is a cultural organisation?

:

- (a) UNESCO
- (b) ILO
- (c) WHO
- (d) FAO

Key: **A**

Itemcode : **ER1060**

Q25 Headquarters of the World Health Organisation is located at

:

- (a) Geneva
- (b) Washington DC
- (c) New York
- (d) Rome

Key: **A**

Itemcode : **ER1001**

Q26 Bladelike, pins, Disklike, cylindrical are types of

:

- (a) Subperiosteal implants
- (b) Basal implants
- (c) Transmandibular implants
- (d) Endosseous implants

Key: **D**

Itemcode : **ER1002**

Q27 Micromovements exceeding _____ at the implant bone interface interfere with bone formation

:

- (a) 150 microns
- (b) 250 microns
- (c) 125 microns
- (d) 225 microns

Key: **A**

Itemcode : **ER1003**

Q28 Critical temperature for bone is

:

- (a) 57 degree C
- (b) 67 degree C
- (c) 47 degree C
- (d) 77 degree C

Key: **C**

Itemcode : **ER1004**

Q29 While placing multiple implants the distance between adjacent implants should be a minimum of -

:

- (a) 4 mm
- (b) 3 mm
- (c) 1.5 mm
- (d) 1 mm

Key: **B**

Itemcode : **ER1005**

Q30 What is bone tapping

:

- (a) flaring crestal aspect of osteotomy
- (b) flaring apical aspect of osteotomy
- (c) creating threads in osteotomy
- (d) osseodensification

Key: **C**

Itemcode : **ER1006**

Q31 Ledge and wedge technique is used for management of
:

- (a) Gingival enlargements
- (b) Gingival Abscess
- (c) Furcation involvement
- (d) Periodontal Pocket

Key: **A**

Itemcode : **ER1007**

Q32 Modified Widman flap was given by
:

- (a) Morris 1965
- (b) Morris 1974
- (c) Ramfjord and Nissle 1965
- (d) Ramfjord and Nissle 1974

Key: **D**

Itemcode : **ER1008**

Q33 Pocket wall is removed surgically by
:

- (a) external bevel excision
- (b) internal bevel gingivectomy
- (c) undisplaced flap
- (d) all of the above

Key: **D**

Itemcode : **ER1009**

Q34 _____ is a example of bacteriostatic antibiotic
:

- (a) Amoxicillin
- (b) Tetracycline
- (c) metronidazole
- (d) Ciprofloxacin

Key: **B**

Itemcode : **ER1010**

Q35 In a systemically healthy patient with periodontal abscess, the following antibiotics are prescribed ?
:

- (a) Amoxicillin
- (b) Amoxicillin + metronidazole
- (c) Doxycycline
- (d) Not recommended

Key: **D**

Itemcode : **ER1011**

Q36 The calcium phosphate ratio in hydroxyapatite is
:

- (a) 1.67
- (b) 1.57
- (c) 1.47
- (d) 1.37

Key: **A**

Itemcode : **ER1012**

Q37 The following drug induced gingival enlargements are dose related
:

- (a) Phenytoin
- (b) Cyclosporine
- (c) Nifedipine
- (d) Amlodipine

Key: **B**

Itemcode : **ER1013**

Q38 Which is NOT a feature of Acute necrotizing ulcerative periodontitis
:

- (a) punched out craters
- (b) fetid odour
- (c) periodontal pockets
- (d) Fever

Key: **C**

Itemcode : **ER1014**

Q39 The following acute gingival disease is contagious
:

- (a) Primary herpetic gingivostomatitis
- (b) Acute necrotizing gingivitis

- (c) Cancrum oris
(d) None of the above
Key: **A**

Itemcode : **ER1015**

Q40 Intraepithelial clefting is seen in
:

- (a) Pemphigoid
(b) Pemphigus
(c) Epidermolysis Bullosa
(d) Lichen Planus
Key: **B**

Itemcode : **ER1016**

Q41 What does exudation through sulcus signify:
:

- (a) inactive phase of destruction
(b) deep pocket
(c) type of inflammation
(d) all of the above
Key: **C**

Itemcode : **ER1017**

Q42 The length of the junctional epithelium at the base of the pocket
:

- (a) decreases to 50 - 100 microns
(b) decreases to 100 - 200 microns
(c) increases by 50- 100 microns
(d) increases by 100 - 200 microns
Key: **A**

Itemcode : **ER1018**

Q43 Interproximally the inflammation spreads first from gingiva to
:

- (a) periodontal ligament
(b) alveolar bone
(c) periosteum
(d) dentogingival unit
Key: **B**

Itemcode : **ER1019**

Q44 The radius of action was described by
:

- (a) Carranza
(b) Lindhe
(c) Waerhaug
(d) Page and Schroeder
Key: **D**

Itemcode : **ER1020**

Q45 Bone loss in patients with untreated periodontal disease averages
:

- (a) 0.5 to 1mm
(b) 1 to 2mm
(c) 0.2 to 0.3 mm
(d) 2 to 3 mm
Key: **C**

Itemcode : **ER1021**

Q46 Which of the following is a sign of trauma of occlusion
:

- (a) Periodontal Pocket
(b) Angular bony defect
(c) Stillman's cleft
(d) Gingival recession
Key: **B**

Itemcode : **ER1022**

Q47 Whose blood supply is NOT affected by trauma from occlusion
:

- (a) periodontal ligament
(b) alveolar bone
(c) gingiva
(d) none of the above
Key: **C**

Itemcode : **ER1023**

Q48 Following periodontal therapy, the pathologically migrated teeth :

- (a) remain in the same position
- (b) always return to the original position
- (c) get pulled to the side of more destruction
- (d) get pulled to the side of less destruction

Key: **D**

Itemcode : **ER1024**

Q49 The rate of bone loss in Localized Aggressive Periodontitis is :

- (a) 2-3 times faster than chronic periodontitis
- (b) 3-4 times faster than chronic periodontitis
- (c) 1.5 to 2.5 times faster than chronic periodontitis
- (d) varies from individual to individual

Key: **B**

Itemcode : **ER1025**

Q50 The percentage of Magnesium whitlockite in calculus: :

- (a) 21%
- (b) 12%
- (c) 9%
- (d) 58%

Key: **A**

Itemcode : **ER1026**

Q51 The composition of subgingival calculus differs from supragingival calculus: :

- (a) brushite is higher in subgingival calculus
- (b) brushite is lower in subgingival calculus
- (c) same in both
- (d) differs from patient to patient

Key: **B**

Itemcode : **ER1027**

Q52 The following enzymes initiate calcification :

- (a) hydrolase
- (b) transferase
- (c) esterase
- (d) oxidoreductase

Key: **C**

Itemcode : **ER1028**

Q53 Calculus formation may begin as early as :

- (a) 1 hour
- (b) 2 hours
- (c) 3 hours
- (d) 4 hours

Key: **D**

Itemcode : **ER1029**

Q54 The role of monocytes is :

- (a) to differentiate into macrophages
- (b) antigen processing
- (c) phagocytosis
- (d) all of the above

Key: **D**

Itemcode : **ER1030**

Q55 The natural killer cells originate from :

- (a) lymphoid arm
- (b) myeloid arm
- (c) peripheral lymph nodes
- (d) thymus

Key: **A**

Itemcode : **ER1031**

Q56 The central component of complement system is :

- (a) C1
 - (b) C2
 - (c) C3
 - (d) C5
- Key: **C**

Itemcode : **ER1032**

Q57 The MHC is located on
:

- (a) chromosome 12
- (b) chromosome 6
- (c) Chromosome 16
- (d) chromosome 21

Key: **B**

Itemcode : **ER1033**

Q58 The following immunoglobulin is present on naive B cells
:

- (a) IgD
- (b) IgB
- (c) both
- (d) none

Key: **A**

Itemcode : **ER1034**

Q59 The following bacteria invade the host tissues
:

- (a) Tanerella forsythia
- (b) Campylobacter
- (c) Streptococcus
- (d) Fusobacterium nucleatum

Key: **D**

Itemcode : **ER1035**

Q60 Actinomyces viscosus attaches to
:

- (a) saliva coated surfaces
- (b) pre-existing plaque
- (c) epithelial cells
- (d) connective tissue components

Key: **C**

Itemcode : **ER1036**

Q61 Which micro-organism inhibits IL-8 production by epithelial cells
:

- (a) actinomycetemcomitans
- (b) gingivalis
- (c) Forsythia
- (d) Capnocytophaga sp.

Key: **B**

Itemcode : **ER1037**

Q62 Campylobacter Rectus releases the following enzyme to mediate host tissue destruction
:

- (a) collagenase
- (b) phospholipase A
- (c) trypsin like enzyme
- (d) arylsulfatase

Key: **D**

Itemcode : **ER1038**

Q63 Poorly responding sites demonstrate higher levels of
:

- (a) Micros
- (b) actinomycetemcomitans
- (c) Gingivalis
- (d) Denticola

Key: **A**

Itemcode : **ER1039**

Q64 In patients with diabetes the immune function is affected as follows-
:

- (a) altered phagocytosis
- (b) defective IgA
- (c) both of the above

(d) none of the above

Key: **A**

Itemcode : **ER1040**

Q65 The gingival disease during pregnancy presents

:

- (a) smooth and shiny
- (b) raspberry like surface
- (c) tumor like
- (d) all of the above

Key: **D**

Itemcode : **ER1041**

Q66 Brown tumors are seen in

:

- (a) Pagets disease
- (b) B)Fibrous dysplasia
- (c) Hyperparathyroidism
- (d) hyperthyroidism

Key: **C**

Itemcode : **ER1042**

Q67 Highest incidence of leukemic gingival enlargement occurs in

:

- (a) acute monocytic leukemia
- (b) acute myelocytic leukemia
- (c) acute lymphocytic leukemia
- (d) acute myelocytic - monocytic leukemia

Key: **A**

Itemcode : **ER1043**

Q68 Papillon lefevre syndrome is an inherited disorder with following pattern

:

- (a) autosomal dominant
- (b) autosomal recessive
- (c) X-linked
- (d) Y-linked

Key: **B**

Itemcode : **ER1044**

Q69 Benefit of electronic data record are

:

- (a) steep learning curve
- (b) generate the best evidence from patient data
- (c) separation of patient information across multiple screens
- (d) limited support for communication among dental team members

Key: **B**

Itemcode : **ER1045**

Q70 The main antigen processing and presentation (APCs) cells are

:

- (a) Neutrophils
- (b) Platelets
- (c) Peripheral dendritic cells
- (d) Eosinophils

Key: **C**

Itemcode : **ER1046**

Q71 Bacterial communication within biofilm is known as

:

- (a) Corncob formations
- (b) Coaggregation
- (c) Quorum sensing
- (d) Translocation

Key: **C**

Itemcode : **ER1047**

Q72 Increases in steroid hormones are associated with significant increases in

:

- (a) Actinomyces viscosus
- (b) Prevotella intermedia
- (c) Streptococcus sanguis
- (d) Campylobacter rectus

Key: **B**

Itemcode : **ER1048**

Q73 Bacterial resistance to antimicrobial agents in biofilm is
:

- (a) Less than the planktonic state
 - (b) Same as the planktonic state
 - (c) Double as the planktonic state
 - (d) 1000 times more than the planktonic state
- Key: **D**

Itemcode : **ER1049**

Q74 Apnea hypopnea index (AHI) is considered to be normal if
:

- (a) AHI 5-15
 - (b) AHI 15-30
 - (c) AHI < 5
 - (d) AHI > 30
- Key: **C**

Itemcode : **ER1050**

Q75 The goal of host modulation therapy for periodontal disease is to
:

- (a) Treat the underlying systemic disease
 - (b) Enhance the response to therapy and achieve periodontal stability
 - (c) Treat the periodontal disease
 - (d) None of the above
- Key: **B**