



CBRT - 2020 Question Paper Grid

Government of Goa

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Lecturer(Oral Pathology and Microbiology)

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 : HO1071

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 : HO1072

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 : HO1073

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 : HO1074

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 : HO1075

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 : HO1061

Q6 : Which word is the odd man out?

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

Key: **A**

Itemcode : **HO1062**

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 : **HO1063**

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 : **HO1064**

Q9 : 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 : **HO1065**

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 : **HO1066**

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 : **HO1067**

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 : **HO1068**

Q13 Find the x in the sequence: 5, 7, 25, 131, x, 8335

:

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

Key: **A**

Itemcode : **HO1069**

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 : **HO1070**

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 : **HO1051**

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 : **HO1052**

Q17 Who invented the internet?

:

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

Key: **A**

Itemcode : **HO1053**

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

:

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

Key: **C**

Itemcode : **HO1054**

Q19 OS' computer abbreviation usually means ?

:

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

Key: **C**

Itemcode : **HO1055**

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

:

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

Key: **D**

Itemcode : **HO1056**

Q21 Which of the following dances is a solo dance?

:

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

Key: **A**

Itemcode : **HO1057**

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 : **HO1058**

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 : **HO1059**

Q24 Which of the following is a cultural organisation?

:

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

Key: **A**

Itemcode : **HO1060**

Q25 Headquarters of the World Health Organisation is located at

:

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

Key: **A**

Itemcode : **HO1001**

Q26 The only variety of oral candidiasis, which is consistently painful is:

:

- (a) Erythematous candidiasis.
- (b) Pseudomembranous candidiasis.
- (c) Chronic hyperplastic candidiasis.
- (d) None of the above.

Key: **A**

Itemcode : **HO1002**

Q27 The organisms appear as sporangia containing large numbers of round or ovoid endospores, each approximately 5-7µ in diameter are Characteristic histologic feature of:

:

- (a) Sporotrichosis.
- (b) Mucormycosis.
- (c) Rhinosporidiosis.
- (d) Aspergillosis.

Key: **C**

Itemcode : **HO1003**

Q28 Miescher- Melkersson-Rosenthal syndrome includes, except:

:

- (a) Chelitis granulomatosa.
- (b) Fissured tongue.
- (c) Bell's palsy.
- (d) Trigeminal neuralgia.

Key: **D**

Itemcode : **HO1004**

Q29 Mitosoid cells are seen in:

:

- (a) Focal epithelial hyperplasia.
- (b) Squamous papilloma.
- (c) Verruca vulgaris.
- (d) Condyloma.

Key: **A**

Itemcode : **HO1005**

Q30 The normal nuclear: cytoplasmic ratio is:

:

- (a) 1:4.
- (b) 1:2.
- (c) 1:3.
- (d) 1:1.

Key: **D**

Itemcode : **HO1006**

Q31 Dyskeratosis is:

:

- (a) Normal keratinization.
- (b) Increase in keratin production.
- (c) Decrease in keratin production.
- (d) Abnormal, premature, or imperfect keratinization of keratinocytes.

Key: **D**

Itemcode : **HO1007**

Q32 Bowen's disease is a form of:

:

- (a) Invasive carcinoma
- (b) Intra epithelial carcinoma
- (c) Leukoplakia without dysplasia
- (d) Basal cell carcinoma

Key: **B**

Itemcode : **HO1008**

Q33 A benign neoplasm of brown fat is known as:

:

- (a) Fibrolipoma
- (b) Angiolipoma
- (c) Adenolipoma
- (d) Hibernoma

Key: **D**

Itemcode : **HO1009**

Q34 Haemangiomas are associated with the following syndromes, except:

:

- (a) Rendu-osler-weber syndrome.
- (b) Sturge-weber-dimitri syndrome.
- (c) Kasabach-merritt syndrome.
- (d) Gorlin goltz syndrome.

Key: **D**

Itemcode : **HO1010**

Q35 Port wine stain is a feature of:

:

- (a) Rendu-osler-weber syndrome.
- (b) Sturge-weber-dimitri syndrome.
- (c) Kasabach-merritt syndrome.
- (d) Gorlin goltz syndrome.

Key: **B**

Itemcode : **HO1011**

Q36 Dendritic cells present the antigen to:

:

- (a) T cell.
- (b) B cell.
- (c) Neutrophils.
- (d) Monocyte.

Key: **A**

Itemcode : **HO1012**

Q37 The pathognomonic radiographic feature of Peripheral giant cell granuloma is:

:

- (a) Cuffing of the bone.
- (b) Lipping of the bone.
- (c) Sclerosing of the bone.
- (d) Onion peel appearance.

Key: **A**

Itemcode : **HO1013**

Q38 The most startling histologic features of pyogenic granuloma are except,

:

- (a) Numerous endothelial lined vascular spaces.
- (b) Extreme proliferation of fibroblasts.
- (c) Budding endothelial cells.
- (d) Numerous multinucleated giant cells.

Key: **A**

Itemcode : **HO1014**

Q39 The fixative of choice for visualization of nucleic acids is:

:

- (a) Rossman's fluid
- (b) 10% formalin

- (c) Glutaraldehyde
 (d) Carnoy's mixture
 Key: **D**

Itemcode : **HO1015**

Q40 Most commonly used fixative for proteins
 :

- (a) 10% Formalin.
 (b) 5% Formalin.
 (c) 12% Formalin.
 (d) 10% Glutaraldehyde.

Key: **A**

Itemcode : **HO1016**

Q41 True mesodermal structure composed of dermal melanocytes is seen in:
 :

- (a) Blue nevus.
 (b) Junctional nevus.
 (c) Compound nevus.
 (d) Intradermal nevus

Key: **A**

Itemcode : **HO1017**

Q42 Clark's classification for malignant melanoma is based on:
 :

- (a) Histopathological presence or absence of tumour cells
 (b) The deepest histologic cutaneous structures the tumour infiltrates
 (c) Clinical spread of the lesion
 (d) None of the above

Key: **D**

Itemcode : **HO1018**

Q43 Types of giant cells seen in measles:
 :

- (a) Langerhans giant cells.
 (b) Osteoclastic giant cells.
 (c) Warthin-finkeldy.
 (d) Giant cells are not seen

Key: **C**

Itemcode : **HO1019**

Q44 Renal osteodystrophy differs from nutritional and metabolic rickets due to the presence of:
 :

- (a) Hyperphosphatemia.
 (b) Hypercalcemia.
 (c) Hypophosphatemia.
 (d) Hypocalcemia.

Key: **B**

Itemcode : **HO1020**

Q45 A child patient with lymphadenopathy, fever 101.2 degree Fahrenheit have discrete areas of ulceration with rings of
 : intense inflammation on facial mucosa and palate. The mouth is sore and the child will not eat or drink:

- (a) Moniliasis.
 (b) Infantile impetigo.
 (c) Acute streptococcal infection.
 (d) Acute herpetic gingivostomatitis

Key: **B**

Itemcode : **HO1021**

Q46 A 24-year-old female has flaccid bullae in the skin and oral erosions. Histopathology shows intraepidermal acantholytic
 : blister. the most likely diagnosis is:

- (a) Pemphigoid.
 (b) Erythema multiforme.
 (c) Pemphigus vulgaris.
 (d) Dermatitis herpetiformis.

Key: **C**

Itemcode : **HO1022**

Q47 The most common site of occurrence of lateral periodontal cyst is:
 :

- (a) Between the mandibular cuspid & first premolar.
 (b) Maxillary tuberosity area.
 (c) Between the maxillary premolars.
 (d) Mandibular third molar area

Key: **A**

Itemcode : **HO1023**

Q48 The important microorganism for dentinal caries is:
:

- (a) Actinomyces actinobacillus.
- (b) Borrelia vincenti.
- (c) Streptococcus mutans.
- (d) Streptococcus viridans.

Key: **C**

Itemcode : **HO1024**

Q49 Which of the following is not a major criterion for diagnosis of Multiple myeloma:
:

- (a) Lytic bone lesions.
- (b) Plasmacytoma on tissue biopsy.
- (c) Bone marrow plasmacytosis >30%.
- (d) 'M' spike > 3G % for IgG, > 2 G %for IgA.

Key: **A**

Itemcode : **HO1025**

Q50 The syndrome, which is associated with predisposition to the development of carcinoma of oral mucus membrane, is:
:

- (a) Gardner's syndrome.
- (b) Oster-Rendu- Weber syndrome.
- (c) Sturge-Weber syndrome.
- (d) Plummer-Vinson syndrome.

Key: **D**

Itemcode : **HO1026**

Q51 Ground glass appearance is seen in:
:

- (a) Hyperparathyroidism.
- (b) Fibrous dysplasia.
- (c) Condensing osteitis.
- (d) Osteopetrosis.

Key: **A**

Itemcode : **HO1027**

Q52 Which of the following is a tumour of odontogenic epithelium with duct like structures & well encapsulated lesion that prevents need for block resection:
:

- (a) Adenomatoid odontogenic tumour.
- (b) Pindborg tumour.
- (c) Odontogenic myxoma.
- (d) Ameloblastic fibroma.

Key: **A**

Itemcode : **HO1028**

Q53 Alkaline phosphatase activity is always associated with:
:

- (a) Destruction of mineralized tissues.
- (b) Production of mineralized tissues.
- (c) Only associated with pathology.
- (d) All of the above.

Key: **B**

Itemcode : **HO1029**

Q54 Which of the following is not true about Nasopalatine duct cyst:
:

- (a) Median palatal cyst needs to be considered carefully when the midline translucency occurs posterior.
- (b) Can show arteries and vessels in the cyst wall.
- (c) Arises from the remnants of the epithelium entrapped along the line of fusion.
- (d) The radiolucency should measure more than 6mm.

Key: **C**

Itemcode : **HO1030**

Q55 Identify the wrong statement in the following
:

- (a) Multiple Epidermoid cysts occur in Nevoid basal cell carcinoma syndrome
- (b) Multiple Epidermoid cysts occur in Gardner syndrome
- (c) Adenocarcinoma of intestinal polyps in Gardner syndrome is worrisome
- (d) Multiple basal cell carcinoma is common in Gardner syndrome

Key: **D**

Itemcode : **HO1031**

Q56 Which is not a radiological feature of Dentigerous cyst:
:

- (a) Less than 3mm radiolucency associated with an impacted tooth.
- (b) Impacted tooth displays partially developed root.
- (c) Impacted tooth pushed closer to the Inferior border of mandible.
- (d) Impacted tooth can show enamel hypoplasia.

Key: **A**

Itemcode : **HO1032**

Q57 Ameloblastoma which can metastasize to lung but histopathologically not showing any cellular atypia is termed as:

- (a) Ameloblastic carcinoma
- (b) Carcinoma ex ameloblastoma
- (c) Malignant ameloblastoma
- (d) De novo ameloblastic carcinoma

Key: **C**

Itemcode : **HO1033**

Q58 Ameloblastomas that has cytologic features of malignancy in the primary tumor, in a recurrence or in any metastatic deposit:

- (a) Ameloblastic carcinoma.
- (b) Clear cell odontogenic carcinoma.
- (c) Malignant ameloblastoma.
- (d) Ghost cell odontogenic carcinoma

Key: **A**

Itemcode : **HO1034**

Q59 Large areas of amorphous, homogenous, eosinophilic, hyalinized extracellular amyloid like material seen in CEOT can be demonstrated using:

- (a) Crystal violet.
- (b) Congo Red.
- (c) Thioflavin T.
- (d) All of the above.

Key: **D**

Itemcode : **HO1035**

Q60 The _____ is helpful in delineating the ghost cells (GC) and the dentinoid:

- (a) Ayoub-Shklar stain.
- (b) Masson Trichrome stain.
- (c) Von Kossa stain.
- (d) Hematoxylin and eosin stain.

Key: **A**

Itemcode : **HO1036**

Q61 Radial growth phase of Superficial spreading melanoma is called as:

- (a) Melanoma in situ.
- (b) Junctional nevus.
- (c) Melanotic freckle.
- (d) Lentigo malign.

Key: **A**

Itemcode : **HO1037**

Q62 Amongst the stem cells from the maxillofacial region, which of the following has the fastest doubling capacity:

- (a) Dental pulp stem cells (DPSCs).
- (b) Stem cells from exfoliated deciduous teeth (SHED).
- (c) Periodontal ligament stem cells (PDLSCs).
- (d) Stem cells from apical papilla (SCAP).

Key: **B**

Itemcode : **HO1038**

Q63 Telomere shortening in a cell indicates cell aging and has implications in stem cell therapy,

- (a) True.
- (b) False.
- (c) None of the above.
- (d) Both of the above.

Key: **A**

Itemcode : **HO1039**

Q64 Immune rejection and teratoma formation is not seen with:

- (a) Deciduous teeth stem cells.
- (b) Adult dental pulp stem cells.
- (c) Both of the above.

(d) None of the above.

Key: **A**

Itemcode : **HO1040**

Q65 Letterer Siewe disease is disturbance of:

:

- (a) Protein metabolism.
- (b) Histiocytic disorder.
- (c) Carbohydrate metabolism.
- (d) Mucopolysaccharide metabolism.

Key: **B**

Itemcode : **HO1041**

Q66 A 60 yr. old man complains of several abscesses in the gingiva with loosening of teeth. He also complains of itching of skin and polyuria, the most probable etiology is:

- (a) Scurvy.
- (b) Myxoedema.
- (c) Diabetes Mellitus.
- (d) Vit A deficiency.

Key: **C**

Itemcode : **HO1042**

Q67 Brown tumour is seen in:

:

- (a) Hyperparathyroidism.
- (b) Osteomalacia.
- (c) Pigmented villonodular synovitis.
- (d) Neurofibromatosis

Key: **A**

Itemcode : **HO1043**

Q68 In tumour immunology, antibodies act by:

:

- (a) Compliment fixation.
- (b) Enhancing T cell activity.
- (c) Enhancing B cell activity.
- (d) None of the above.

Key: **A**

Itemcode : **HO1044**

Q69 a-globulin glycoprotein secreted in fetal life is replaced by _____ in adult life:

:

- (a) Albumin
- (b) Globulin
- (c) Threonine
- (d) Creatinine.

Key: **A**

Itemcode : **HO1045**

Q70 Myeloblastin is a tumour specific antigen for:

:

- (a) Myeloma
- (b) Leukaemia
- (c) Plasmacytoma
- (d) Breast Carcinoma.

Key: **B**

Itemcode : **HO1046**

Q71 Multiple Sclerosis is:

:

- (a) Bacterial infection
- (b) Viral Infection
- (c) Fungal infection
- (d) Autoimmune disorder

Key: **D**

Itemcode : **HO1047**

Q72 Antibodies initiate:

:

- (a) Humoral Immunity.
- (b) Cellular Immunity.
- (c) T cell Immunity.
- (d) none of the above.

Key: **A**

Itemcode : **HO1048**

Q73 The most accurate dental age estimation method by radiographic methods using development and calcification of tooth buds among the following is:

- (a) Schour and Masseler method.
- (b) Nolla's method.
- (c) Morees's method.
- (d) Demirijan's method.

Key: **B**

Itemcode : **HO1049**

Q74 Marker for Reed-Sternberg cell is:

- (a) CD 15.
- (b) CD 16.
- (c) CD 14.
- (d) CD 13.

Key: **A**

Itemcode : **HO1050**

Q75 Deregulation of Cyclin B, a check point regulation in cell cycle causes:

- (a) Deregulation of G1 to S phase.
- (b) Deregulation of G2 to M phase.
- (c) Deregulation of Metaphase anaphase transition.
- (d) Deregulation of G0 checkpoint.

Key: **B**