



CBRT - 2020 Question Paper Grid

Government of Goa

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Lecturer(Oral Medicine and Radiology)

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 : ME1071

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 : ME1072

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 : ME1073

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 : ME1074

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 : ME1075

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 : ME1061

Q6 : Which word is the odd man out?

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

Key: **A**

Itemcode : ME1062**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 : ME1063****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 : ME1064****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 : ME1065****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 : ME1066****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 : ME1067****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 : ME1068****Q13** Find the x in the sequence: 5, 7, 25, 131, x, 8335

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

Key: **A****Itemcode : ME1069****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 : **ME1070**

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 : **ME1051**

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 : **ME1052**

Q17 Who invented the internet?

:

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

Key: **A**

Itemcode : **ME1053**

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

:

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

Key: **C**

Itemcode : **ME1054**

Q19 OS' computer abbreviation usually means ?

:

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

Key: **C**

Itemcode : **ME1055**

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

:

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

Key: **D**

Itemcode : **ME1056**

Q21 Which of the following dances is a solo dance?

:

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

Key: **A**

Itemcode : **ME1057**

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 : **ME1058**

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 : **ME1059**

Q24 Which of the following is a cultural organisation?

:

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

Key: **A**

Itemcode : **ME1060**

Q25 Headquarters of the World Health Organisation is located at

:

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

Key: **A**

Itemcode : **ME1001**

Q26 Which of the following has malignant potential?

:

- (a) Leukoedema
- (b) Speckled Leukoplakia
- (c) White sponge nevus
- (d) Hairy Leukoplakia

Key: **B**

Itemcode : **ME1002**

Q27 A reliable clinical indication of malignancy is

:

- (a) Metastasis
- (b) Tenderness
- (c) A nodule
- (d) Ulceration

Key: **A**

Itemcode : **ME1003**

Q28 A marked increase in tongue coating is associated with

:

- (a) Pernicious anemia
- (b) Iron deficiency anemia
- (c) Erythematous candidiasis
- (d) Disturbance in oral physiology

Key: **C**

Itemcode : **ME1004**

Q29 The most cause of keratosis is

:

- (a) Physical trauma
- (b) Tobacco use
- (c) Genetic abnormalities
- (d) Inflammatory reaction

Key: **A**

Itemcode : **ME1005**

Q30 Serum alkaline phosphatase level is raised in all but one of the following conditions. Which one:

:

- (a) Osteopetrosis
- (b) Pregnancy
- (c) Osteogenic sarcoma
- (d) Metastatic tumor of bone

Key: **A**

Itemcode : **ME1006**

Q31 All of the following lesions are indurated except

:

- (a) Tuberculous ulcer
- (b) Syphilitic ulcer
- (c) Major aphthous ulcer
- (d) Deep fungal infections

Key: **D**

Itemcode : **ME1007**

Q32 Coxsackie virus causes all these condition except

:

- (a) Hand foot and mouth disease
- (b) Herpangina
- (c) Acute lymph nodular pharyngitis
- (d) Herpetiform ulcers

Key: **D**

Itemcode : **ME1008**

Q33 Administration of aspirin should be avoided in patients being treated with anticoagulants because it

:

- (a) Decreases anticoagulants effect
- (b) Causes gastritis
- (c) Over sedates the patients
- (d) Decreases platelet aggregation

Key: **D**

Itemcode : **ME1009**

Q34 Sialosis is treated mainly by

:

- (a) Antibiotic therapy
- (b) Antibiotics and drainage
- (c) Antibiotics and anti-inflammatory agents
- (d) None of the above

Key: **D**

Itemcode : **ME1010**

Q35 The most common cause of Xerostomia is

:

- (a) Aplasia of the gland
- (b) Use of the antihistamines or tranquilizers
- (c) Sialadenitis
- (d) Salivary calculus in the duct

Key: **B**

Itemcode : **ME1011**

Q36 Clinical evidence of metastasis to the jaw include the following except

:

- (a) Bone pain
- (b) Mobility of teeth
- (c) Bone swelling
- (d) Deviation of tongue

Key: **D**

Itemcode : **ME1012**

Q37 Site mainly associated with taste sensation on the tongue is

:

- (a) Filiform papilla
- (b) Fungiform papilla
- (c) Circumvallate papilla
- (d) Foliate papilla

Key: **C**

Itemcode : **ME1013**

Q38 Features of Hutchinson's triad does not include

:

- (a) Dental abnormalities
- (b) Interstitial keratitis
- (c) Deafness
- (d) Corneal ulcer

Key: **D**

Itemcode : **ME1014**

Q39 The gastrointestinal diseases that can cause oral ulcerations does not include

:

- (a) Celiac disease
- (b) Crohn's disease

- (c) Ulcerative colitis
(d) Peptic ulcer
Key: **D**

Itemcode : **ME1015**

Q40 The common sites for metastasis to occur in the jaw is the :

- (a) Angle of the mandible
(b) Angle and body of the mandible
(c) Maxillary posterior region
(d) Maxillary anterior and posterior region.

Key: **B**

Itemcode : **ME1016**

Q41 Drugs which should be avoided in pregnancy do not include :

- (a) Aspirin
(b) Nonsteroidal anti-inflammatory drugs
(c) Tetracycline
(d) Penicillin

Key: **D**

Itemcode : **ME1017**

Q42 Hypercalcemia is the keystone in the diagnosis of :

- (a) Hyperparathyroidism
(b) Hypoparathyroidism
(c) Hypothyroidism
(d) Hyperthyroidism

Key: **A**

Itemcode : **ME1018**

Q43 Which of the following statements is true regarding incubation of hepatitis B infection :

- (a) 2-6 weeks
(b) 2-10 weeks
(c) 2-6 months
(d) 6-8 months

Key: **C**

Itemcode : **ME1019**

Q44 The minimal acceptable platelet count for surgical procedure is :

- (a) 50,000 and above
(b) 25,000
(c) 30,000
(d) 40,000

Key: **A**

Itemcode : **ME1020**

Q45 Clubbing of fingers is not a feature of :

- (a) Liver diseases including cirrhosis of liver
(b) Lyme disease
(c) Congestive heart disease
(d) Fallot of tetralogy

Key: **B**

Itemcode : **ME1021**

Q46 In dentistry management of patients with liver diseases are related to :

- (a) Impaired drug detoxification
(b) Bleeding tendencies
(c) Transmission of viral hepatitis
(d) All of the above

Key: **D**

Itemcode : **ME1022**

Q47 Which of these drugs is not contraindicated in liver diseases :

- (a) Prednisone
(b) Prednisolone
(c) Diuretics
(d) Oral contraceptives

Key: **B**

Itemcode : **ME1023**

Q48 Lipschutz bodies are not seen in
:

- (a) Primary herpetic gingivostomatitis
- (b) Chicken pox
- (c) Candidal infection
- (d) Infectious mononucleosis

Key: **C**

Itemcode : **ME1024**

Q49 Complications of diabetes include the following except
:

- (a) Nephropathy
- (b) Neuropathy
- (c) Retinopathy
- (d) Myopathy

Key: **D**

Itemcode : **ME1025**

Q50 Which of the following cells are gatekeepers of HIV infection
:

- (a) CD4 T lymphocytes
- (b) B cells
- (c) Macrophages
- (d) Plasma cells

Key: **C**

Itemcode : **ME1026**

Q51 Which of the following conditions is associated with a complaint of metallic taste
:

- (a) Arsenic poisoning
- (b) Silver poisoning
- (c) Galvanism
- (d) Metronidazole therapy

Key: **D**

Itemcode : **ME1027**

Q52 Components of Plummer Vinson syndrome do not include
:

- (a) Anemia
- (b) Dysphagia
- (c) Red painful tongue
- (d) Mucosal atrophy

Key: **C**

Itemcode : **ME1028**

Q53 Which of the following is not an example of electromagnetic radiation
:

- (a) Cosmic rays
- (b) Cathode rays
- (c) Visible light
- (d) Ultraviolet rays

Key: **B**

Itemcode : **ME1029**

Q54 Which of the following statements is true regarding X-rays
:

- (a) Travel at the speed of light.
- (b) Have negative charge
- (c) Can be focused to a point
- (d) Are not ionizing radiations

Key: **A**

Itemcode : **ME1030**

Q55 Which one of the following is a component of an X-ray tube in the X-ray machine
:

- (a) Cathode
- (b) Step- up transformer
- (c) Step- down transformer
- (d) Autotransformer

Key: **A**

Itemcode : **ME1031**

Q56 The purpose of an X-ray tube being nearly vacuum is to
:

- (a) Prevent oxidation and burnout of the filament
- (b) Reduce impact on the target by electrons
- (c) Increase the speed of electron stream.
- (d) None of the above.

Key: **A**

Itemcode : **ME1032**

Q57 The basic effect of X- radiation on living tissue is :

- (a) Cauterization
- (b) Precipitation
- (c) Ionization
- (d) Agglutination

Key: **C**

Itemcode : **ME1033**

Q58 In order to increase the number of electrons produced at the cathode the operator should :

- (a) Increase both milli ampere and kilo voltage
- (b) Increase milliamperere
- (c) Increase kilo voltage
- (d) Decrease kilo voltage

Key: **B**

Itemcode : **ME1034**

Q59 Anode is made of :

- (a) Molybdenum
- (b) Aluminum
- (c) Tungsten
- (d) Copper

Key: **C**

Itemcode : **ME1035**

Q60 To obtain an ideal image the focal spot size :

- (a) Should be as small as possible
- (b) Should be as large as possible
- (c) Is not important
- (d) None of the above is relevant

Key: **A**

Itemcode : **ME1036**

Q61 Which of the following view is best for visualizing the greater palatine foramen :

- (a) Intraoral periapical
- (b) Standard occlusal view
- (c) True occlusal view
- (d) None of the above

Key: **D**

Itemcode : **ME1037**

Q62 Collimator used in the panoramic X-ray tube head is a lead plate with :

- (a) A small round opening
- (b) A small rectangular opening
- (c) An opening in the shape of a narrow vertical slit
- (d) An opening in the shape of a narrow horizontal slit

Key: **C**

Itemcode : **ME1038**

Q63 The term pixel stands for :

- (a) Picture excellence
- (b) Picture eliminator
- (c) Picture element
- (d) Picture illuminator

Key: **C**

Itemcode : **ME1039**

Q64 The terminal where thermionic emission occurs is the :

- (a) Focal spot
- (b) Anode
- (c) Cathode

(d) None of the above

Key: **C**

Itemcode : **ME1040**

Q65 The purpose of placing tongue in contact with palate during exposure of panoramic film is to prevent a dark shadow that obscures the apices of

- (a) Maxillary anterior teeth
- (b) Maxillary posterior teeth
- (c) Maxillary anterior and posterior teeth.
- (d) Mandibular anterior and posterior teeth.

Key: **C**

Itemcode : **ME1041**

Q66 The thyroid collar is not recommended in panoramic radiography because

- (a) It blocks the X-ray beam and obscures information
- (b) The thyroid gland is exposed to small amount of radiation
- (c) It is impossible to sterilize the collar
- (d) All of the above

Key: **A**

Itemcode : **ME1042**

Q67 Disadvantages of panoramic radiography does not include

- (a) Certain amount of distortion
- (b) Costly equipment
- (c) Focal trough limitation.
- (d) Reduced patient exposure

Key: **D**

Itemcode : **ME1043**

Q68 The best radiographic view for detecting the level of alveolar crest is

- (a) PA view of mandible
- (b) Bitewing radiograph
- (c) Periapical view
- (d) Orthopantomogram.

Key: **B**

Itemcode : **ME1044**

Q69 The cooling agent for the MRI magnet is

- (a) Helium
- (b) Neon
- (c) Argon
- (d) Xenon

Key: **A**

Itemcode : **ME1045**

Q70 MRI has a high

- (a) Spatial resolution
- (b) Temporal resolution
- (c) Frequency resolution
- (d) Magnitude resolution

Key: **A**

Itemcode : **ME1046**

Q71 The best radiographic view for detecting zygomatic arch fracture is the

- (a) PA view of the maxilla
- (b) Lateral view of the maxilla
- (c) AP view of the maxilla
- (d) Submentovertex

Key: **D**

Itemcode : **ME1047**

Q72 In intraoral radiography the diameter of the X-ray beam measured at the patient's skin be no more than

- (a) 2.75 inches
- (b) 3.75 inches
- (c) 2.5 inches
- (d) 2.25 inches

Key: **A**

Itemcode : **ME1048**

Q73 The least susceptible cells of the body to radiation is
:

- (a) Lymphoblast
 - (b) Lymphocytes
 - (c) Mature bone
 - (d) Erythroblasts
- Key: **C**

Itemcode : **ME1049**

Q74 Size of the pixel in a CT image is:
:

- (a) 1mm
 - (b) 10mm
 - (c) 0.1mm
 - (d) 0.01mm
- Key: **C**

Itemcode : **ME1050**

Q75 Ultrasound uses vibratory frequencies in the raged
:

- (a) <20MHZ
 - (b) >20MHZ
 - (c) 1-20MHZ
 - (d) None of the above
- Key: **C**