



CBRT - 2019 Question Paper Grid

Government of Goa

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Set Name

Subjects

Display

Junior Pathologist

Passage:

Read the following passage and answer the questions below:

Progress in life depends a good deal on crossing one threshold after another. Some time ago, a man watched his little nephew trying to write his name. It was hardwork, very hardwork. The little boy had arrived at an effort threshold. Today he writes his name with comparative ease. No new threshold confronts him. This is the way with all of us. As soon as we cross one threshold, as soon as we conquer one difficulty, a new difficulty appears, or should appear. Some people make the mistake of steering clear of thresholds. Anything that requires genuine thinking and use of energy they avoid. They prefer to stay in a rut where thresholds are not met. Probably, they have been at their job a number of years. Things are easy for them. They make no effort to seek out new obstacles to overcome. Real progress stops under such circumstances.

Some middle-aged and elderly people greatly enrich their lives by continuing to cross thresholds. One man went into an entirely new business when he was past middle life and made success of it, De Morgan didn't start to write novels until he was past sixty. Psychologists have discovered that man can continue to learn throughout his life. And it is undoubtedly better to try and fail than not to try at all. There one can be placed in the category of the Swiss mountaineer of whom it was said. "He died climbing". When a new difficulty arises to obstruct your path, do not complain. Accept the challenge. Determine to cross this threshold as you have crossed numerous other thresholds in your past. In the words of a poet, do not rest but strive to pass from dream to grander dream.

Itemcode : **JP1037**

Q1 : What Obstructs real progress in life?

- (a) Remaining at one and the same post
- (b) Avoiding the thinking and energy
- (c) Shunning every work
- (d) Stopping education

Key: **A**

Itemcode : **JP1038**

Q2 : What does progress in life depend upon?

- (a) Good habits
- (b) Hardwork
- (c) Overcoming one difficulty after another
- (d) Spirit of service and Cooperation

Key: **C**

Itemcode : **JP1039**

Q3 : What does 'He died climbing' signify?

- (a) He dies when he was climbing the hill
- (b) He died before getting at the top
- (c) He strove hard till the last moment of life
- (d) He climbed the hill and then died

Key: **C**

Itemcode : **JP1040**

Q4 : What does 'to pass from dream to grander dream' mean?

- (a) Always having greater and greater aspiration in life.
- (b) Seeing one good dream and then greater aspiration in life.
- (c) Making plan after plan.
- (d) Seeing one dream after the other.

Key: **A**

Itemcode : **JP1041**

Q5 : What does De Morgan's life teach?

- (a) That it is futile to learn many things.
- (b) That one is never old in case he has vigour
- (c) That it is never too late to learn
- (d) That creative writing can be made even late in life

Key: **B**

Passage:

Read the following passage and answer the questions below:

There is a fairly universal sentiment that the use of nuclear weapon is clearly contrary to morality and that its production does not go far enough. These activities are not only opposed to morality but also to law and if the legal objection can be added to the moral, the argument against the use and the manufacturer of these weapons will considerably be reinforced. Now the time is ripe to evaluate the responsibility of scientists who knowingly use their expertise for the construction of such weapons which has deleterious effect on mankind.

To this must be added the fact that more than 50 percent of the skilled scientific manpower in the world is now engaged in the armaments industry. How appropriate it is that all this valuable skill should be devoted to the manufacturer of weapons of death in a world of poverty is a question that must touch the scientific conscience.

A meeting of biologist on the Long term Worldwide Biological Consequences of Nuclear War added frightening dimensions to those forecasts. Its report suggested that the long biological effects resulting from climatic changes may at least be as serious as the immediate ones.

Sub freezing temperatures, low light levels and high dose of ionizing and ultraviolet radiations extending for many months, after a large scale nuclear war, could destroy the biological support systems of civilization, at least in the Northern Hemisphere. Productivity in natural and agricultural ecosystems could be severely restricted for a year or more. Post-war survivors would face starvation as well as freezing conditions in the dark and be exposed to near-lethal dose of radiation. If, as now seems possible, the Southern Hemisphere were affected also, global disruption of the biosphere could ensue. In any event, there would be severe consequences, even in the areas not affected directly because of the interdependence of the world economy. In either case the extinction of a large fraction of the earth's animals, plants and microorganisms seems possible. The population size of Homo sapiens conceivably could be reduced to pre-historic levels or below and extinction of the human species itself cannot be excluded.

Itemcode : **JP1042**

Q6 : The author's most important objective of writing the above passage seems to

- (a) Highlight the use of nuclear weapons as an effective population control measure
- (b) Illustrate the devastating effects of use of nuclear weapons on mankind
- (c) Duly highlight the supremacy of the nations which possess nuclear weapons
- (d) Summarise the long biological effects of use of nuclear weapons

Key: **B**

Itemcode : **JP1043**

Q7 : The scientists possessing expertise in manufacturing destructive weapons are

- (a) Very few in number
- (b) Irresponsible and incompetent
- (c) More than half of the total number
- (d) Engaged in the armaments industry against their desire

Key: **C**

Itemcode : **JP1044**

Q8 : According to the passage, the argument against the use and manufacture of nuclear weapons

- (a) Does not stand the test of legality
- (b) Possess legal strength although it does not have moral standing
- (c) Is acceptable only on moral grounds
- (d) Becomes stronger if legal and moral considerations are combined

Key: **D**

Itemcode : **JP1045**

Q9 : Which of the following best explains the word 'devoted' as used in the passage?

- (a) Dedicated for a good cause
- (b) Utilized for betterment
- (c) Abused for destruction
- (d) Underutilized

Key: **C**

Itemcode : **JP1046**

Q10 It appears from the passage that the use of nuclear weapons is considered against morality by

:

- (a) Only such of those nations who cannot afford to manufacture weapons
- (b) Almost all the nations of the world
- (c) Only the superpowers who can afford to manufacture and sell weapons
- (d) A minority group of scientists who have the necessary skill and competence

Key: **B**

Itemcode : **JP1001**

Q11 A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?

- (a) 120 m
- (b) 240 m
- (c) 300 m
- (d) None of these

Key: **B**

Itemcode : **JP1002**

Q12 Look at this series: F2, __, D8, C16, B32, ... What number should fill the blank?

:

- (a) A16
 (b) G4
 (c) E4
 (d) E3
 Key: **C**

Itemcode : **JP1003**

Q13 Look at this series: 83, 73, 93, 63, __, 93, 43, ... What number should fill the blank?
 :

- (a) 33
 (b) 53
 (c) 73
 (d) 93
 Key: **B**

Itemcode : **JP1004**

Q14 Look at this series: 0.15, 0.3, ____, 1.2, 2.4, ... What number should fill the blank?
 :

- (a) 4.8
 (b) 0.006
 (c) 0.6
 (d) 0.9
 Key: **C**

Itemcode : **JP1005**

Q15 Which word does NOT belong with the others?
 :

- (a) peninsula
 (b) island
 (c) bay
 (d) cape
 Key: **C**

Itemcode : **JP1006**

Q16 Which word does NOT belong with the others?
 :

- (a) scythe
 (b) knife
 (c) pliers
 (d) saw
 Key: **C**

Itemcode : **JP1007**

Q17 FINCH : BIRD
 :

- (a) frog : toad
 (b) elephant : reptile
 (c) Dalmatian : dog
 (d) collie : marsupial
 Key: **C**

Itemcode : **JP1008**

Q18 SKEIN : YARN
 :

- (a) squeeze : lemon
 (b) fire : coal
 (c) ream : paper
 (d) tree : lumber
 Key: **C**

Itemcode : **JP1009**

Q19 SLAPSTICK : LAUGHTER
 :

- (a) fallacy : dismay
 (b) genre : mystery
 (c) satire : anger
 (d) horror : fear
 Key: **D**

Itemcode : **JP1010**

Q20 In the question below are given three statements followed by three conclusions numbered I, II and III, You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

All fruits are vegetables. All pens are vegetables. All vegetables are rains.

Conclusions:

I All fruits are rains.

II All pens are rains.

III Some rains are vegetables.

- (a) All follow
 (b) Only I and II follow
 (c) Only II and III follow
 (d) Only I and III follow

Key: **A**

Itemcode : **JP1011**

Q21 In the question below are given three statements followed by three conclusions numbered I, II and III, You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

Some saints are balls. All balls are bats. Some tigers are balls.

Conclusions:

I. Some bats are tigers.

II. Some saints are bats.

III. All bats are balls.

- (a) Only I and II follow
 (b) Only II follows
 (c) Only I and III follow
 (d) Only III follows

Key: **A**

Itemcode : **JP1012**

Q22 The future of women in India is quite bright and let us hope that they will justify their abilities by rising to the occasion. Napoleon was right when he declared that by educating the women we can educate the whole nation. Because a country can never rise without the contribution of 50% of their population.

The passage best supports the statement that:

- (a) India is striving hard for the emancipation of women.
 (b) all women should be well educated.
 (c) a nation can progress only when women are given equal rights and opportunities as men.
 (d) women ought to be imparted full freedom to prove their worth and contribute to the progress of the nation.

Key: **D**

Itemcode : **JP1013**

Q23 Exports and imports, a swelling favourable balance of trade, investments and bank-balances, are not an index or a balance sheet of national prosperity. Till the beginning of the Second World War, English exports were noticeably greater than what they are today. And yet England has greater national prosperity today than it ever had. Because the income of average Englishmen, working as field and factory labourers, clerks, policemen, petty shopkeepers and shop assistants, domestic workers and other low-paid workers, has gone up.

The passage best supports the statement that:

- (a) a country's economic standard can be best adjudged by per capital income.
 (b) a country's balance of trade is the main criteria of determining its economic prosperity.
 (c) a nation's economy strengthens with the increase in exports.
 (d) English trade has continually increased since the Second World War.

Key: **A**

Itemcode : **JP1014**

Q24 Four defensive football players are chasing the opposing wide receiver, who has the ball. Calvin is directly behind the ball carrier. Jenkins and Burton are side by side behind Calvin. Zeller is behind Jenkins and Burton. Calvin tries for the tackle but misses and falls. Burton trips. Which defensive player tackles the receiver?

- (a) Burton
 (b) Zeller
 (c) Jenkins
 (d) Calvin

Key: **C**

Itemcode : **JP1015**

Q25 The high school math department needs to appoint a new chairperson, which will be based on seniority. Ms. West has less seniority than Mr. Temple, but more than Ms. Brody. Mr. Rhodes has more seniority than Ms. West, but less than Mr. Temple. Mr. Temple doesn't want the job. Who will be the new math department chairperson?

- (a) Mr. Rhodes

- (b) Mr. Temple
 (c) Ms. West
 (d) Ms. Brody
 Key: **A**

Itemcode : **JP1016**

Q26 Look carefully for the pattern, and then choose which pair of numbers comes next.

:
 16 26 56 36 46 68 56

- (a) 80 66
 (b) 64 82
 (c) 66 80
 (d) 78 68
 Key: **C**

Itemcode : **JP1017**

Q27 Look at this series: 8, 43, 11, 41, __, 39, 17, ... What number should fill in the blank?

- :
 (a) 8
 (b) 14
 (c) 43
 (d) 44
 Key: **B**

Itemcode : **JP1018**

Q28 In these series, you will be looking at the letter pattern. Fill the blank end of the series.

:
 QAR, RAS, SAT, TAU, _____

- (a) UAV
 (b) UAT
 (c) TAS
 (d) TAT
 Key: **A**

Itemcode : **JP1019**

Q29 A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Euro 1000 more than D, what is B's share?

- (a) Euro 500
 (b) Euro 1500
 (c) Euro 2000
 (d) None of these
 Key: **C**

Itemcode : **JP1020**

Q30 Here are some words translated from an artificial language.

:
 slar means jump
 slary means jumping
 slarend means jumped
 Which word could mean "playing"?

- (a) clargslarend
 (b) clargy
 (c) ellaclarg
 (d) slarmont
 Key: **B**

Itemcode : **JP1021**

Q31 Find the related word to complete the analogy

:
 French : France : : Dutch : ?

- (a) Fiji
 (b) Sweden
 (c) Holland
 (d) Norway
 Key: **C**

Itemcode : **JP1022**

Q32 Complete the series 3, 7, 23, 95, ?

- :
 (a) 62
 (b) 128
 (c) 479
 (d) 575
 Key: **C**

Itemcode : **JP1023**

Q33 Complete the series 8, 22, 64, 190, 568, ?

:

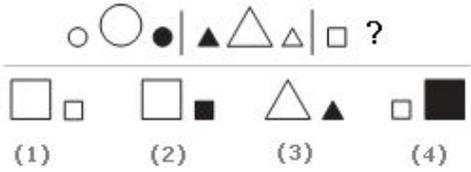
- (a) 1702
- (b) 1315
- (c) 7134
- (d) 6445

Key: **A**

Itemcode : **JP1024**

Q34 Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

:



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

Key: **B**

Itemcode : **JP1025**

Q35 Look carefully at the sequence of symbols to find the pattern. Select correct pattern

:



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

Key: **A**

Itemcode : **JP1027**

Q36 Which ministry has launched the scheme 'Indian Cyber Crime Coordination Centre (I4C)' for 2018-2020?

:

- (a) Ministry of Corporate Affairs
- (b) Ministry of Human Resource Development
- (c) Ministry of External Affairs
- (d) Ministry of Home Affairs

Key: **D**

Itemcode : **JP1028**

Q37 What is the name of the satellite that India is planning to send to study the sun's corona?

:

- (a) Aditya-L1
- (b) Viraj 1
- (c) Aditya-L2
- (d) Viraj 2

Key: **A**

Itemcode : **JP1029**

Q38 India celebrates National Broadcasting day on _____

:

- (a) 23rd July
- (b) 22nd July
- (c) 21st July
- (d) 24th July

Key: **A**

Itemcode : **JP1030**

Q39 Which of the following is the 11th Biosphere Reserve from India to be included in the World Network of Biosphere Reserves (WNBR) of UNESCO?

:

- (a) Pachmarhi Biosphere Reserve
- (b) Great Nicobar Island Biosphere Reserve
- (c) Nanda Devi Biosphere Reserve
- (d) Khangchendzonga Biosphere Reserve

Key: **D**

Itemcode : **JP1031**

Q40 Which of the following countries hosted the FIFA 2019 women's world cup?

:

- (a) Russia
- (b) Uruguay
- (c) Argentina
- (d) France

Key: **D**

Itemcode : **JP1032**

Q41 The name of World's 1st Hindi-Speaking Robot is _____

:

- (a) Jayanti
- (b) Rashmi
- (c) Shakshi
- (d) Khatoon

Key: **B**

Itemcode : **JP1033**

Q42 Which of the following State received the first prize in the National Water Awards ceremony under the category best state in resource management?

:

- (a) Andhra Pradesh
- (b) Maharashtra
- (c) Gujarat
- (d) Rajasthan

Key: **B**

Itemcode : **JP1034**

Q43 The interactive game show named "Confetti" was launched by _____

:

- (a) Google
- (b) Facebook
- (c) Microsoft
- (d) Apple

Key: **B**

Itemcode : **JP1035**

Q44 Who is the chairman of ISRO?

:

- (a) A.S. Kiran siva
- (b) G. Madhavan Nair
- (c) Krishnaswamy Kasturirangan
- (d) Kailasavadivoo Sivan

Key: **D**

Itemcode : **JP1036**

Q45 Name the country which will host the ICC World Cup 2023?

:

- (a) India
- (b) NewZealand
- (c) Pakistan
- (d) SriLanka

Key: **A**

Itemcode : **JP1047**

Q46 Best method to access haemoglobin

:

- (a) gasometric method
- (b) Acid-hematin method
- (c) Copper-Sulphate method
- (d) Cyn-Meth-Hb method

Key: **D**

Itemcode : **JP1048**

Q47 Increase in Serum homocysteine levels seen in

:

- (a) Iron deficiency Anaemia
- (b) Megaloblastic Anaemia
- (c) Sideroblastic Anaemia
- (d) Acute Tubulav Necrosis

Key: **B**

Itemcode : **JP1049**

Q48 Special Stain for fat

:

- (a) Reticulin

- (b) Congo Red
 (c) Sudan III
 (d) Masson's Trichrome
 Key: **C**

Itemcode : **JP1050**

Q49 Increased incidence of Mesothelioma seen in person exposed to
 :

- (a) Asbestos
 (b) Barium
 (c) Iron
 (d) Copper
 Key: **A**

Itemcode : **JP1051**

Q50 Increased incidence of Renal cell Carcinoma seen in
 :

- (a) Von-Hippel-Lindau Syndrome
 (b) Wilson's Disease
 (c) Proteus Syndrome
 (d) Lyell's Syndrome
 Key: **A**

Itemcode : **JP1052**

Q51 Parasite found in the biliary tract
 :

- (a) Enterobius Vermicularis
 (b) Trichuris Trichiura
 (c) Opisthorchis Sinensis
 (d) Trichinella Spiralis
 Key: **C**

Itemcode : **JP1053**

Q52 Birbeck granules seen in
 :

- (a) Acute Myeloid Leukaemia
 (b) Non-Hodgkin's Lymphoma
 (c) Carcinoma
 (d) Langerhan's Cell Histiocytosis
 Key: **D**

Itemcode : **JP1054**

Q53 Condyloma Acuminata is caused by
 :

- (a) Human Papilloma Virus
 (b) Herpes Simplex Virus
 (c) Picorna Virus
 (d) HHV 8
 Key: **A**

Itemcode : **JP1055**

Q54 Sarcoma Botyroides is a type of
 :

- (a) Leiomyosarcoma
 (b) Rhabdomyosarcoma
 (c) Angiosarcoma
 (d) gliosarcoma
 Key: **B**

Itemcode : **JP1056**

Q55 Useful biomarker for Medullary Carcinoma of thyroid
 :

- (a) Calcitonin
 (b) α - fetoprotein
 (c) glypican - 3
 (d) myosin
 Key: **A**

Itemcode : **JP1057**

Q56 In pseudogout, crystals are made of
 :

- (a) Monosodium Urate
 (b) Calcium pyrophosphate
 (c) Sodium Carbonate
 (d) Potassium Dihydrate
 Key: **B**

Itemcode : **JP1058**

Q57 Negri bodies in brain are pathognomic of
:

- (a) Plague
- (b) Rabies
- (c) Rickettsiae
- (d) Polyoma

Key: **B**

Itemcode : **JP1059**

Q58 Loss of E-Cadherin seen in
:

- (a) Infiltrating duct Carcinoma of breast
- (b) Colloid Carcinoma of breast
- (c) Neuroendocrine Carcinoma
- (d) Lobular Carcinoma of breast

Key: **D**

Itemcode : **JP1060**

Q59 Mycosis fungoides is a type of
:

- (a) B-cell Lymphoma
- (b) NK cell Lymphoma
- (c) Null cell Lymphoma
- (d) T cell Lymphoma

Key: **D**

Itemcode : **JP1061**

Q60 Virus associated with Adult T cell Leukaemia / Lymphoma
:

- (a) Herpes Simplex Virus
- (b) Picorna Virus
- (c) HTLV - 1
- (d) EBV

Key: **C**

Itemcode : **JP1062**

Q61 Retinoblastoma Locus is present on
:

- (a) chromosome 12p12
- (b) chromosome 13q14
- (c) chromosome 11q14
- (d) chromosome 9p12

Key: **B**

Itemcode : **JP1063**

Q62 Tumor marker for Endodermal Sinus Tumor of ovary
:

- (a) α - Fetoprotein
- (b) des Carboxy Prothrombin
- (c) gliadin
- (d) Cyclin - D1

Key: **A**

Itemcode : **JP1064**

Q63 Main Androgen derivative responsible for Benign Hyperplasia of Prostate
:

- (a) Methyl Testosterone
- (b) 19 ? Nortestosterone
- (c) Ethisterone
- (d) Dihydrotestosterone

Key: **D**

Itemcode : **JP1065**

Q64 Fontana Masson Reaction detects which pigment
:

- (a) Melanin
- (b) Carbon
- (c) Lipofuscin
- (d) Hematoidin

Key: **A**

Itemcode : **JP1066**

Q65 JAK - 2 mutation is demonstrable in
:

- (a) Essential thrombocythemia
 (b) Fatty Liver
 (c) thalassemia
 (d) Carcinoma Cervix
 Key: **A**

Itemcode : **JP1067**

Q66 Decrease in Reticulocyte count seen in
 :

- (a) thalassemia
 (b) Iron Deficiency Anaemia
 (c) Megaloblastic Anaemia
 (d) Aplastic Anaemia
 Key: **D**

Itemcode : **JP1068**

Q67 Serum Indirect Bilirubin is increased in
 :

- (a) Hemolytic Anaemia
 (b) Hepatitis
 (c) Hypersensitivity reaction
 (d) Carcinoma Stomach
 Key: **A**

Itemcode : **JP1069**

Q68 In pancreatitis, type of necrosis seen is
 :

- (a) Coagulation Necrosis
 (b) Liquefactive Necrosis
 (c) Fat Necrosis
 (d) Fibrinoid Necrosis
 Key: **C**

Itemcode : **JP1070**

Q69 Lacunar R-S cell seen in
 :

- (a) Lymphocyte Rich Hodgkin's Lymphoma
 (b) Nodular Sclerosis
 (c) Lymphocyte depleted
 (d) Mixed Cellularity
 Key: **B**

Itemcode : **JP1071**

Q70 Type of calcification seen in Hypervitaminosis D
 :

- (a) Metastatic Calcification
 (b) Dystrophic Calcification
 (c) Compound Calcification
 (d) Simple Calcification
 Key: **A**

Itemcode : **JP1072**

Q71 Michaelis - guttman bodies are seen in
 :

- (a) Malakolakia
 (b) Leukoplakia
 (c) Dyskeratosis
 (d) Metaplasia
 Key: **A**

Itemcode : **JP1073**

Q72 Rodent ulcer is a clinical term for
 :

- (a) Basal Cell Carcinoma
 (b) Squamous Cell Carcinoma
 (c) Adenoid Cystic Carcinoma
 (d) Adeno Carcinoma
 Key: **A**

Itemcode : **JP1074**

Q73 Nasopharyngeal Carcinoma is associated with
 :

- (a) Herpes Simplex Virus
 (b) Ebstein-Barr Virus
 (c) Picorna Virus

(d) Adenovirus
Key: **B**

Itemcode : **JP1075**

Q74 Cobblestone appearance of intestine seen in
:

- (a) Crohn's Disease
 - (b) Ulcerative Colitis
 - (c) Carcinoma Colon
 - (d) H. Pylori Gastritis
- Key: **A**

Itemcode : **JP1076**

Q75 Caissons disease is a form of
:

- (a) Fat embolism
 - (b) Aminotic Fluid Embolism
 - (c) Air/Gas Embolism
 - (d) Foreign body Embolism
- Key: **C**