



## CBRT - 2020 Question Paper Grid

Government of Goa

10 October 2020

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**Set Name**

**Subjects**

**Display**

### Assistant Professor in Architecture

**Passage:**

Everything except the truth wears, and needs to wear, a mask. Little souls are ashamed of nature. Prudery pretends to have only those passions that it cannot feel. Moral poetry is like a respectable canal that never overflows its banks. It has weirs, through which, slowly any excess of feeling is allowed to flow. It makes excuses for nature, and regards love as an interesting convict. Moral art paints or chisels feet, faces or rags. It regards the body as obscene. It hides behind with drapery, that which it has not the genius purely to portray. Mediocrity becomes moral from a necessity which it has the impudence to call virtue. It pretends to regard ignorance as the foundation of purity, and insists that virtue seeks the companionship of the blind.

**Itemcode : RC1071**

**Q1 :** It is suggested in the above passage that the morality of mediocrity is based upon

- (a) impudence
- (b) virtue
- (c) necessity
- (d) purity

Key: **C**

**Itemcode : RC1072**

**Q2 :** "Everything except the truth wears, and needs to wear, a mask".  
The above statement implies that

- (a) Everything wears or needs a mask
- (b) Truth needs to wear a mask
- (c) Truth never wears or needs a mask
- (d) Everything does not need a mask.

Key: **C**

**Itemcode : RC1073**

**Q3 :** From the options given below, select the one that best explains the following statement from the passage: "that which it has not the genius purely to portray".

- (a) feet, faces, rags
- (b) obscene body
- (c) mediocrity
- (d) nudity of the body

Key: **D**

**Itemcode : RC1074**

**Q4 :** The phrase "little souls" in the passage means

- (a) petty individuals
- (b) prudes
- (c) adolescent artists
- (d) moralists

Key: **A**

**Itemcode : RC1075**

**Q5 :** Identify the odd part of speech from the following terms in the passage: "prudery; obscene; virtue; impudence

- (a) virtue
- (b) prudery
- (c) virtue
- (d) obscene

Key: **D**

**Itemcode : RC1051**

**Q6 :** A study of six patients who all suffer from a rare form of cancer revealed that though they all live in different locations in the county and have quite different medical histories, diet, and personal habits-two smoke cigarettes and three drink alcoholic beverages-they are all employed at a company that manufactures herbicides and pesticides. From this study it can be concluded that exposure to the chemicals produced by the company is the probable cause of the disease. The method of reasoning used by this argument is:

- (a) Isolating a common feature through a process of elimination and concluding that this feature is causally related to the event under investigation.

- (b) Reaching a general conclusion on the basis of the experiences of the six patients.  
 (c) Providing information that allows the application of a general claim to a specific case.  
 (d) Indirectly showing that exposure to the chemicals produced by the company is the likely cause by demonstrating that none of the other alternatives is the cause.

Key: **B**

Itemcode : **RC1052**

**Q7** : The average annual salary for executives at World-Wide Travel last year was 55,000 dollars, while the average salary for travel consultants was 47,000 dollars. The average annual salary for all employees was 38,000 dollars. If the above information is correct, which one of the following conclusions can be properly inferred from it?

- (a) There were fewer executives than travel consultants at World-Wide Travel last year.  
 (b) No travel consultants earned more than an executive last year.  
 (c) There was at least one employee who earned less than the average for a travel consultant.  
 (d) Some travel consultants earn more than the lowest paid executives.

Key: **C**

Itemcode : **RC1053**

**Q8** : A recipe for cooking potatoes states that potatoes should be cooked in boiling water for 20 minutes to be properly prepared. This holds only for potatoes that have been diced into one-inch cubes-smaller cubes would require proportionately less cooking time and larger ones proportionately more. It is important that potatoes not be overcooked, since this greatly diminishes their food value. Undercooking also should be avoided because undercooked potatoes cannot be properly digested.

If the above statements are true, which of the following conclusions is most strongly supported?

- (a) Whole potatoes, when properly cooked, cannot be properly digested.  
 (b) Potatoes that are diced into one-half-inch cubes and cooked in boiling water for 20 minutes will likely have little food value.  
 (c) Potatoes that are properly digestible must be cooked in boiling water for at least 20 minutes.  
 (d) Boiling in water is the only method of cooking potatoes that will ensure high food value and proper digestibility.

Key: **B**

Itemcode : **RC1054**

**Q9** : Analytic propositions provide no information about any matter of fact. This applies to all analytic propositions. In other words, they are entirely devoid of information about the world. It is for this reason that no empirical evidence can refute them.

Which of the following must be assumed for the above argument's conclusion to be properly drawn?

- (a) The truth or falsity of analytic propositions cannot be determined by empirical evidence.  
 (b) Analytic propositions are neither true nor false.  
 (c) Analytic propositions are completely uninformative.  
 (d) Empirical evidence can only refute propositions that provide information about matters of fact

Key: **D**

Itemcode : **RC1055**

**Q10** The Philadelphia Eagles are given 7 to 2 odds of winning the NFC championship. The New England Patriots are given 8 to 3 odds of winning the AFC championship. Therefore, the Eagles and the Patriots will meet in the Super Bowl. The conclusion follows from the argument with a probability of :

- (a) .57  
 (b) .47  
 (c) .67  
 (d) 77

Key: **A**

Itemcode : **RC1056**

**Q11** If 'relftaga' means carefree, 'otaga' means careful and 'fertaga' means careless, which of the following could mean 'aftercare'?

- (a) zentaga  
 (b) tagafer  
 (c) tagazen  
 (d) relffer

Key: **C**

Itemcode : **RC1057**

**Q12** What will be the next letter in the following series?  
 : DCXW, FGVU, HGTS

- (a) AKPO  
 (b) JBYZ  
 (c) JIRQ  
 (d) LMRS

Key: **C**

Itemcode : **RC1058**

**Q13** A paragraph is given from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

In an unsupported expedition, North Pole travellers must ski, snowshoe, swim, and climb, all while towing a 300-pound sled of supplies approximately 480 miles, which takes about 50 to 70 days. There are mounds of ice as big as houses to get over and stretches of 30-degree water to traverse, which travellers swim across wearing a full-body rubber suit. Air temperatures often hover around 40 degrees below zero.

- (a) "The future of skiing to the North Pole is dim."

- (b) "It's the most difficult expedition on the planet that nobody really knows about," says Larsen.
- (c) During a 2007 expedition, Weber walked for 10 to 12 hours a day, but because the ice he was on was drifting south, he stayed in virtually the same spot.
- (d) Further complicating the matter, the weather window for reaching the North Pole is short-and getting shorter every year-lasting from early March to early May, when the harshest temperatures of winter abate and the summer melt cycle is just beginning,
- Key: **B**

Itemcode : **RC1059**

**Q14** A paragraph is given from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

One thing I remember is that I never saw my father running. This odd fact came to me one day recently when I was sprinting for a train, and I brooded on it for a long time afterwards. He must have run, of course, sometimes and on some necessary occasions, but if he did, and if I saw him, I have no memory of it. His life, moving at an even and unruffled pace, was limited on all sides by the circumstances of his time, his class and his age.

- (a) Perhaps I am being patronising by thinking my father's life monotonous.
- (b) For him, as for so many of his class and time, life had its fixed phases: childhood, the brief flowering of adolescence, then adulthood, marriage and the long plateau stretching to retirement.
- (c) To me they seemed, until their final years, to be of an indeterminate age, creatures essentially of a different species, permanent and unchanging, simply there.
- (d) Thinking back on the lives of one's parents and making comparisons with one's own life can be a dizzying exercise.
- Key: **D**

Itemcode : **RC1060**

**Q15** The given text is followed by four alternative summaries. Choose the option that best captures the essence of the text.

New mobile networks come along once every decade or so. Starting around 1980, the first generation of cellular phones relied on analogue technology. When the second-generation arrived in 1991, the networks began to go digital. By 2001, the third-generation swapped clunky old circuit-switching with efficient packet-switching. Around 2010, fourth-generation networks adopted IP technology in a big way, providing mobile devices with broadband access to the internet. What to expect from 5G? At this stage, one of the few things that can be said about 5G with certainty is that-if it is to meet society's growing demands for ubiquitous and instantaneous connectivity-such networks will need to have a response time of about one millisecond.

- (a) The generational changes in mobile networks have been brought about as an answer to the growing demands of society. 5G is the future of mobile networks as it will change how people use mobiles.
- (b) Mobile networks see a change after each decade and this change is in line with the expectation of society. 5G is what people will be using in the future.
- (c) Each generational change in mobile networks has seen additions to the various basic features for which mobiles are used. The future now is 5 G which will bring instant connectivity to the fore.
- (d) Mobile networks are constantly upgraded with introduction of new technology. 5G is the future of mobile networks right now.
- Key: **D**

Itemcode : **RC1061**

**Q16** Alice in Wonderland' the famous TV serial is based on a book written by

- (a) Father Discoste
- (b) Thomas Hardy
- (c) Charles Dickens
- (d) Lewis Caroll
- Key: **D**

Itemcode : **RC1062**

**Q17** Who is the writer of 'Swamy and Friends'?

- (a) Munshi Premchand
- (b) Raman
- (c) Max Muller
- (d) K. Narayan
- Key: **D**

Itemcode : **RC1063**

**Q18** Where is the National Institute of Virology situated?

- (a) Pune
- (b) Delhi
- (c) Kolkata
- (d) Madras
- Key: **A**

Itemcode : **RC1064**

**Q19** The first nuclear reactor in India is

- (a) Dhurva
- (b) Harsha
- (c) Vipula
- (d) Apsara
- Key: **D**

Itemcode : **RC1065**

**Q20** The first electric train of India 'Deccan Queen' was run between :

- (a) Howrah and Delhi
- (b) Bombay and Surat
- (c) Kalyan and Pune
- (d) New Delhi and Madras

Key: **C**

Itemcode : **RC1066**

**Q21** To which of the following country Olympic Airways belong? :

- (a) France
- (b) Greece
- (c) Hong Kong
- (d) Indonesia

Key: **B**

Itemcode : **RC1067**

**Q22** Tiruchirapalli is situated on river :

- (a) Cauvery
- (b) Tapti
- (c) Krishna
- (d) Ganga

Key: **A**

Itemcode : **RC1068**

**Q23** The total number of members of UN Security Council is :

- (a) 5
- (b) 10
- (c) 15
- (d) 20

Key: **C**

Itemcode : **RC1069**

**Q24** What plaything was invented by Joe McVicker in 1956? :

- (a) Silly Putty
- (b) Etch-A-Sketch
- (c) Lite-Brite
- (d) Play-Doh

Key: **D**

Itemcode : **RC1070**

**Q25** Who invented Internal Combustion Engine? :

- (a) Roger Bacon
- (b) Karl Benz
- (c) Alan M. Turing
- (d) Otto

Key: **D**

Itemcode : **RC1001**

**Q26** In Goa, the local material used for construction of masonry walls in superstructure is :

- (a) Granite
- (b) Laterite stones
- (c) Pebbles
- (d) Concrete

Key: **B**

Itemcode : **RC1002**

**Q27** In subdivision of land of area more than 4000 square metres, percentage of open space required to be incorporated is : :

- (a) 150%
- (b) 1500%
- (c) 15%
- (d) 15000%

Key: **C**

Itemcode : **RC1003**

**Q28** Notre Dame Cathedral in France is an example of : :

- (a) Greek Classical Architecture
  - (b) Byzantine Architecture
  - (c) Persian Architecture
  - (d) Gothic Architecture
- Key: **D**

Itemcode : **RC1004**

**Q29** In Basilica of Bom Jesus at Old Goa, one of the notable features is :

- (a) Doric Columns
  - (b) Domed roof
  - (c) Ionic Columns
  - (d) Buttresses
- Key: **D**

Itemcode : **RC1005**

**Q30** The Architectural style of Mahadeva temple at Tambdi Surla, Goa is :

- (a) Chalukyan Style
  - (b) Kadamba style
  - (c) Dravidian style
  - (d) Vijayanagar Style
- Key: **B**

Itemcode : **RC1006**

**Q31** One of the features of traditional Goan houses is :

- (a) Sloping roof with mangalore tiles
  - (b) Flat RCC roof
  - (c) Sloping roof with Polycarbonate sheets
  - (d) Flat roof with Asbestos Sheets
- Key: **A**

Itemcode : **RC1007**

**Q32** The famous house in USA, "Falling Waters" is designed by :

- (a) Walter Gropius
  - (b) Le Corbusier
  - (c) Frank Lloyd Wright
  - (d) B. V. Doshi
- Key: **C**

Itemcode : **RC1008**

**Q33** The emphasis on Symmetry, Proportion , Geometry and the regularity of parts was the essential features of :

- (a) Modern Architecture
  - (b) Renaissance Architecture
  - (c) Baroque Architecture
  - (d) None of the above
- Key: **B**

Itemcode : **RC1009**

**Q34** In calculation of beam sizes, one equates Bending Moment to :

- (a) Shear force
  - (b) Torsional force
  - (c) Moment of Resistance
  - (d) Compressive force
- Key: **C**

Itemcode : **RC1010**

**Q35** In Steel trusses, for connection between different members following is used :

- (a) Wall plates
  - (b) Tie plates
  - (c) Gusset Plates
  - (d) Light plates
- Key: **C**

Itemcode : **RC1011**

**Q36** Which of the following is a type of connection in steel works?

- (a) Rolling
- (b) Welding
- (c) Tying

(d) Skirting

Key: **B**

Itemcode : **RC1012**

**Q37** Indian Institute of Management building in Ahmedabad is designed by :

:

- (a) Raj Rewal
- (b) Le Corbusier
- (c) B.V. Doshi
- (d) Louis Kahn

Key: **D**

Itemcode : **RC1013**

**Q38** Kala Academy, Goa was designed by :

:

- (a) Sarto Almeida
- (b) Charles Correa
- (c) Bimal Patel
- (d) Hafeez Contractor

Key: **B**

Itemcode : **RC1014**

**Q39** In a building designed in Settlement S2 Zone, as per the Goa land development Regulation act, Floor area ratio is :

:

- (a) 8000
- (b) 800
- (c) 80
- (d) 80000

Key: **C**

Itemcode : **RC1015**

**Q40** Besides Steel, Reinforced Cement Concrete comprises of :

:

- (a) Cement, Coarse Aggregate and Fine Aggregate
- (b) Cement and Aluminium
- (c) Cement and Fibreglass
- (d) Cement and brick

Key: **A**

Itemcode : **RC1016**

**Q41** For calculation of water capacity, the requirement of water per person per day is :

:

- (a) 13 litres
- (b) 1350 litres
- (c) 135 litres
- (d) 13500 litres

Key: **C**

Itemcode : **RC1017**

**Q42** Which of the following can be adopted as a means of Rain Water Harvesting?

:

- (a) Ground water runoff
- (b) Ground water recharge
- (c) Ground water diversion
- (d) None of the above

Key: **B**

Itemcode : **RC1018**

**Q43** In creating a 3D image in AutoCad, a baluster needs to be created. Which command will you use?

:

- (a) Revolve
- (b) Fillet
- (c) Slice
- (d) Chamfer

Key: **A**

Itemcode : **RC1019**

**Q44** While creating 3D images in AutoCad, how many maximum parts can the viewport be divided?

:

- (a) Two
- (b) Twenty
- (c) Four
- (d) Forty

Key: **C**

Itemcode : **RC1020**

**Q45** Sciography is a branch of science of the perspective dealing with the projection of :

:

- (a) Columns
- (b) Shadows
- (c) Cantilivers
- (d) Vanishing points

Key: **B**

Itemcode : **RC1021**

**Q46** the Corinthian order made its first appearance in

:

- (a) Renaissance Architecture in 13th
- (b) Roman Architecture in the fifth century
- (c) Greek Architecture in the fifth century
- (d) Gothic Architecture in the 11th century .

Key: **C**

Itemcode : **RC1022**

**Q47** The Basilica of BomJesus in Old Goa,

:

- (a) has a hall with granite stone cladding on the front facade with wooden canopy.
- (b) has a cruciform plan with single nave volume added with Baroque styles at upper levels
- (c) is a rectangular plan with buttress added with gothic styles at rear side .
- (d) has a dome on the rear side with

Key: **B**

Itemcode : **RC1023**

**Q48** The viceroys house ( now the Rashtrapathibhavan ) , central vista New Delhi was

:

- (a) Designed by sir Herbert baker
- (b) Designed by sir Robert Tor Russell
- (c) Designed by sir Edwin lutyens
- (d) Designed by sir W H Nicholls

Key: **C**

Itemcode : **RC1024**

**Q49** As per The Goa Land development and building construction regulations 2010 , the High rise building means a building

having a height of above 15 meters \_\_\_\_\_

- (a) having a height of above 11.5 meters
- (b) having a height of above 15 meters
- (c) having a height of above 24 meters
- (d) having a height of above 18 meters

Key: **B**

Itemcode : **RC1025**

**Q50** How many rivers are there in Goa?

:

- (a) 9
- (b) 13
- (c) 4
- (d) 7

Key: **A**

Itemcode : **RC1026**

**Q51** The domestic architecture of Mohenjodaro consisted of

:

- (a) sloping roofs with water bodies all around the houses and
- (b) conical domes with single and two storey houses with fired brick , open courtyards , featureless walls along streets
- (c) flat roofed single and two storey houses with fired brick , open courtyards , featureless walls along streets
- (d) underground caves with open courtyards , featureless walls along streets

Key: **C**

Itemcode : **RC1027**

**Q52** Hydro pneumatic system in building services consists of

:

- (a) High pressure multistage centrifugal pump sets, Suction and Delivery manifolds with Valves, Base frame and suitable control panel...
- (b) Pumpsets without any High Quality Pressure Switches, Pressure Transmitter, Pressure Tank and other Accessories...
- (c) High pressure multistage centrifugal pumpsets, without any Suction and Delivery manifolds with Valves, Base frame and suitable control panel..
- (d) High pressure multistage centrifugal pumpsets, without any underground water tanks

Key: **A**

Itemcode : **RC1028**

**Q53** The areas that are ecologically sensitive ad important such as national parks / marine parks , sanctuaries , reserve

forests , wildlife habitats mangroves , corals /coral reefs , areas close to breeding of fish and other marine life , areas of

outstanding natural beauty , historical heritage areas classified as \_\_\_\_\_

- (a) classified as category IV CRZ ' Coastal regulation zone
- (b) classified as category III CRZ ' Coastal regulation zone
- (c) classified as category II CRZ ' Coastal regulation zone
- (d) classified as category I CRZ ' Coastal regulation zone

Key: **D**

Itemcode : **RC1029**

**Q54** Unique feature of Indus valley civilization

:

- (a) is of cities built with scientific sewerage system.
- (b) is of cities built with scientific drainage system.
- (c) is of cities built with scientific electrical system.
- (d) is of cities built with scientific sloping roofing system.

Key: **B**

Itemcode : **RC1030**

**Q55** what is appropriate term in a concrete mix , when one says 1: 2 : 4 parts for a construction site

:

- (a) 1 part cement : 2 parts sand : 4 parts coarse aggregate
- (b) 1 part cement : 2 parts coarse aggregate : 4 parts sand
- (c) 1 part cement : 2 parts waterproofing compound : 4 parts coarse aggregate
- (d) 1 part cement : 2 parts coarse aggregate : 4 parts cement mortar

Key: **A**

Itemcode : **RC1031**

**Q56** A gopuram is a monumental entrance tower, \_\_\_\_\_

:

- (a) usually ornate, at the entrance of a Hindu temple, in the Indian Rock cut architecture of the states of Southern India.
- (b) usually ornate, at the entrance of a Hindu temple, in the Dravidian architecture of the states of Southern India.
- (c) usually ornate, around the water bodies of a towns & villages , in the architecture of the states of Southern India.
- (d) usually ornate, at the entrance of a Bahai temple, in the Dravidian architecture of the states of Southern India.

Key: **B**

Itemcode : **RC1032**

**Q57** A queen post is a tension member in a truss that can span longer openings than a king post truss. A king post uses one central supporting post, whereas the queen post truss uses two, and can span longer openings than a king post truss.

:

- (a) in a truss that can span smaller openings than a king post truss. A king post uses triangular two central supporting post, whereas the queen post truss uses one ,
- (b) in a truss that can span maximum 6mts openings compared to 12 mts of a king post truss. A king post uses one central supporting post, whereas the queen post truss uses two, and can span longer openings than a king post truss.
- (c) in a truss that can span longer openings than a king post truss. A king post uses one central supporting post, whereas the queen post truss uses two, and can span longer openings than a king post truss.
- (d) in a truss that can span maximum 3mts openings compared to 6 mts of a king post truss. A king post uses one central supporting post, whereas the queen post truss uses two, and can span longer openings than a king post truss

Key: **C**

Itemcode : **RC1033**

**Q58** SafaMosque was built in

:

- (a) in 1560 by the Bijapuri ruler Ibrahim Adil Shah I in Ponda.
- (b) in 1788 by the Aurangzeb in Ponda
- (c) C in 1862 by the Shahajahanin Old Goa
- (d) in 1788 by the Aurangzeb in Ponda

Key: **A**

Itemcode : **RC1034**

**Q59** As per The Goa Land development and building construction regulations 2010 , the Zoning plan or zoning map

:

- (a) means a part of panchayat level plan giving more elaborate zoning details , right of way of way of roads , etc, duly approved and notified by government
- (b) means a part of regional plan giving more elaborate zoning details , right of way of way of roads , etc, duly approved and notified by government
- (c) means a part of ward level plan giving more elaborate zoning details , right of way of way of roads , etc, duly approved and notified by government
- (d) means a part of NBC code plan giving more elaborate zoning details , right of way of way of roads , etc, duly approved and notified by government

Key: **B**

Itemcode : **RC1035**

**Q60** which city is not on The grid plan, grid street plan, or gridiron plan as per town planning types

:

- (a) Copenhagen .
- (b) Chandigarh .
- (c) New Delhi .
- (d) Barcelona .

Key: **C**

**Itemcode : RC1036**

**Q61** The real estate ( regulation and development) -act 2016

:

- (a) looks after regulations and promotion for real estate regulatory authority in real estate sector .
- (b) looks after regulations and promotion for only developers in construction industry .
- (c) looks after regulations and promotion for only architects , engineers & chartered accountants consumers in real estate sector .
- (d) looks after regulations and promotion for real estate sector to protect interest of consumers in real estate sector .

Key: **D**

**Itemcode : RC1037**

**Q62** Rocks cut caves in Goa are on the

:

- (a) on the west bank of River Sanquelim of Harvalem in Bicholim taluka in North Goa with altogether '5' shrine chambers and one room.
- (b) on the west bank of River zuari of in South Goa with altogether '8' shrine chambers and three room.
- (c) on the west bank of River Sal of Quepem in South Goa with altogether '5' shrine chambers and one room.
- (d) on the west bank of River Sanquelim of Harvalem in Bicholim taluka in North Goa with altogether '25' shrine chambers and 10 room.

Key: **A**

**Itemcode : RC1038**

**Q63** The visual arts in architecture are art forms

:

- (a) such as painting, drawing, printmaking, sculpture, ceramics, photography, video, filmmaking, design, crafts, and architecture with context based concepts .
- (b) such as Applied art , painting, clay modelling , crafts and architecture. with context based concepts through canvas and other medium .
- (c) such as digital printing , computer 3D printing modelling , and architecture. with context based concepts on computers .
- (d) such as artists impressions with knowledge of colours and architecture. with context based concepts on hand made paper.

Key: **A**

**Itemcode : RC1039**

**Q64** Damp Proof course

:

- (a) is usually 2.5 cms thick rich cement concrete provided at plinth level
- (b) is usually 5.0 cms thick rich cement concrete provided below footing level
- (c) is usually 2.5 cms thick a water proof concrete provided inside RCC ,
- (d) is usually 1.2 cms thick cement plaster applied on external cement plaster .

Key: **A**

**Itemcode : RC1040**

**Q65** A SPACE FRAME OR SPACE STRUCTURE IS A

:

- (a) Structural Truss like, structure with braced framed structural system with graphical patterns in large span areas .
- (b) Truss like light weight rigid structure constructed from interlocking struts in a geometric pattern to span large areas with few interior supports .
- (c) Truss like heavy loaded structural system constructed from modular geometric pattern to spans less than 30 meters maximum with few interior supports
- (d) Truss like heavy loaded structural system constructed from modular geometric pattern to spans less than 60 meters maximum with few interior supports

Key: **B**

**Itemcode : RC1041**

**Q66** Climate responsive architecture takes into consideration

:

- (a) the direction of the sun, natural shade , topography, environmental factors - wind, rainfall, humidity and climate data - temperature, historical weather patterns, etc.) to design comfortable and energy-efficient homes
- (b) the rules and regulations given strictly by the departments like meteorological department , town & country planning department , Indian green building council , and pollution control department .
- (c) the budgetary guidelines provided by the client along with timelines of execution
- (d) the sloping RCC roofs, thick walls in Super structure , steel beams , precast building materials with appropriate site analysis and site planning .

Key: **A**

**Itemcode : RC1042**

**Q67** Gothic architecture is unique

:

- (a) Due to ribbed vaults, buttresses, clustered columns, ambulatories, wheel windows, spires, stained glass windows, and richly carved door tympana
- (b) due to large and ornate buildings with Corinthian/ composite style arches either single or triple, and y decorated with sculptured pictures or scenes.
- (c) Due to its curving forms with including oval shapes and a combination of concave and convex forms that make walls seems to undulate, or appear wavy with a strong sense of motion.
- (d) due to its symmetry, proportion, geometry ad demonstrated in the architecture of classical antiquity .

Key: **A**

Itemcode : **RC1043**

**Q68** Vernacular architecture is an architectural style that is designed based on. local needs, availability of construction materials and reflecting local traditions.

- (a) along with the design skills and traditions of local artisans/builders .
- (b) along with the design skills and experts in vastushastras only .
- (c) along with the design skills of Architects & engineers from village areas only
- (d) along with the design skills and advise from NGOs in village areas only .

Key: **A**

Itemcode : **RC1044**

**Q69** which of the properties are not associated with GLASS as a construction material.

:

- (a) Annealed the float process
- (b) Heat Strengthened / semi tempered C Tempered or Toughened
- (c) Seasoned in natural process
- (d) fused fluted

Key: **C**

Itemcode : **RC1045**

**Q70** A bending moment (BM) is a measure of the bending effect

:

- (a) that can occur when an external force (or moment) is applied to a structural element.
- (b) that can occur when an uniformly distributed load is stressed on the central structural system
- (c) that can occur when an rigid frame structural system is overlapped with wall frame system to a structural element.
- (d) that can occur when an lateral horizontal live load is transferred on the beam as a structural element.

Key: **A**

Itemcode : **RC1046**

**Q71** Grey water is all the wastewater generated

:

- (a) in households or office buildings from streams without fecal contamination, i.e. all streams except for the wastewater from toilets.
- (b) Sources of grey water excepts sinks, showers, baths, washing machines or dishwashers
- (c) in restaurants, toilets and kitchen only without fecal contaminationC in households or office buildings from streams without fecal contamination, i.e. all streams except for the wastewater from toilets
- (d) in water catchment areas with sewage treatment plants without fecal contamination, i.e. all streams except for the wastewater from toilets

Key: **A**

Itemcode : **RC1047**

**Q72** A huge monolithic temple dedicated to Lord Shivain caves in maharashtra with 34 caves built side of the plateau rock.

:

- (a) The Kailash Temple, at Ellora Caves
- (b) The Krishna Temple at Nagpur .
- (c) The Mahalaxmi temple at Kolhapur
- (d) The Vithoba temple at Pandharpur.

Key: **A**

Itemcode : **RC1048**

**Q73** one of them is not a part of High rise structural systems Braced frame structural system , rigid frame structural system , wall frame system

:

- (a) wall frame system and sheer wall system ,
- (b) uniformly stressed portal structural system and Outrigged structural system and infilled frame structural system
- (c) flat plat and flat slab structural system
- (d) tubular structural system hybrid structural system

Key: **B**

Itemcode : **RC1049**

**Q74** which name is associated with the Central Park , New York City .

:

- (a) Frederick Law Olmsted
- (b) Frank Lloyd Wright
- (c) Louis Sullivan
- (d) Ludwig Mies van der Rohe

Key: **A**

Itemcode : **RC1050**

**Q75** Tongue and groove is a method of

:

- (a) fitting similar objects together, edge to edge, used mainly with wood, in flooring, parquetry, panelling, and similar constructions.
- (b) fitting two different building materials edge to edge, used mainly with wood, in flooring, parquetry, panelling, and similar constructions
- (c) fitting similar objects building materials edge to edge, used mainly with structural steel , bamboos and similar constructions
- (d) fitting similar objects building materials edge to edge, used mainly with glass , steel , concrete except wood .

Key: **A**

