



CBRT - 2019 Question Paper Grid

Government of Goa

25 August 2019

[Menu](#)

Set Name	25082019_SET ▼
Subjects	Junior Gynaecologist ▼
Display	With Answer Key ▼
<input type="button" value="Display Questions"/>	<input type="button" value="Cancel"/>

Junior Gynaecologist

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 : **JG1112**

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 : **JG1113**

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 : **JG1114**

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 : **JG1115**

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 : **JG1116**

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 : JG1117

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 : JG1118

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 : JG1119

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 : JG1120

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 : JG1121

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 : JG1077

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 : JG1078

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 : **JG1079**

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 : **JG1080**

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 : **JG1081**

Q15 Which word does NOT belong with the others?
:

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

Itemcode : **JG1082**

Q16 Which word does NOT belong with the others?
:

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

Itemcode : **JG1083**

Q17 FINCH : BIRD
:

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

Itemcode : **JG1084**

Q18 SKEIN : YARN
:

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

Itemcode : **JG1085**

Q19 SLAPSTICK : LAUGHTER
:

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

Itemcode : **JG1086**

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 : **JG1087**

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 : **JG1088**

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 : **JG1089**

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 : **JG1090**

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 : **JG1091**

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 : **JG1092**

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 : **JG1093**

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 : **JG1094**

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 : **JG1095**

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 : **JG1096**

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 : **JG1097**

Q31 Find the related word to complete the analogy

:
 French : France : : Dutch : ?

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

Itemcode : **JG1098**

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

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

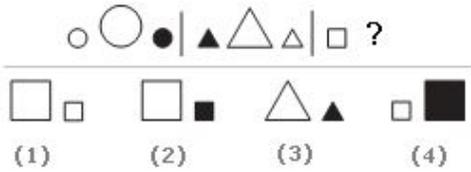
Itemcode : JG1099

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

- (a) 1702
(b) 1315
(c) 7134
(d) 6445
Key: **A**

Itemcode : JG1100

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 : JG1101

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 : JG1076

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 : JG1103

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 : JG1104

Q38 India celebrates National Broadcasting day on _____
:

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

Itemcode : JG1105

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 : JG1106

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 : **JG1107**

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

:

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

Key: **B**

Itemcode : **JG1108**

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 : **JG1109**

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

:

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

Key: **B**

Itemcode : **JG1110**

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 : **JG1111**

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

:

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

Key: **A**

Itemcode : **JG1102**

Q46 Pick up the correct one:

: Amniotic Fluid volume at 40 weeks pregnancy is normally about

- (a) 300 to 500 ml.
- (b) 600 to 800 ml.
- (c) 900 to 1200 ml.
- (d) 1300 to 1500 ml.

Key: **B**

Itemcode : **JG1123**

Q47 Commonest cause of early abortion is

:

- (a) Defective germ plasm
- (b) Endocrinal defect
- (c) Defective sperm
- (d) Rh incompatibility

Key: **A**

Itemcode : **JG1124**

Q48 Pick up the correct one:

: Type of Eclampsia common in India

- (a) Antepartum
- (b) Intrapartum

- (c) Post partum
 (d) All of the above
 Key: **A**

Itemcode : **JG1125**

Q49 Pick up the correct one:
 : The engaging diameter of the After-coming head in Breech delivery

- (a) Sub-occipito-Bregmatic
 (b) Suboccipito-Frontal
 (c) Occipito-Frontal
 (d) Submento-Vertical

Key: **C**

Itemcode : **JG1126**

Q50 Pick up the wrong one:
 : The following statements are related to Placenta Praevia

- (a) Placenta is attached more commonly to posterior wall of uterus
 (b) Type III and IV constitute about one-third
 (c) Placental and Cord abnormalities are common
 (d) The amount of blood loss is almost always related to degree of placenta praevia

Key: **D**

Itemcode : **JG1127**

Q51 Pick up the right one:
 : Detectable amount of Human Chorionic Gonadotrophin appears in maternal serum as early as

- (a) 2 days after implantation
 (b) 3 days after implantation
 (c) 5 days after implantation
 (d) 7 days after implantation

Key: **D**

Itemcode : **JG1128**

Q52 Pick up the correct one:
 : The concentration of Alpha-foeto Protein in maternal serum during normal pregnancy at 12-16 wks is

- (a) 100 $\mu\text{g/L}$
 (b) 150 $\mu\text{g/L}$
 (c) 200 $\mu\text{g/L}$
 (d) 250 $\mu\text{g/L}$

Key: **B**

Itemcode : **JG1129**

Q53 Pick up the right one:
 : Absence of Meconium staining of Liquor amnil may occur even when the foetus is compromised in utero in

- (a) Premature Baby
 (b) Rh isoimmunisation with severe anemia of baby
 (c) Imperforate Anus
 (d) All of the above

Key: **D**

Itemcode : **JG1130**

Q54 Pick up the correct one:
 : During Suction evacuation for MTP, the pressure of the suction is raised to

- (a) 100-200 mmHg
 (b) 200-300 mmHg
 (c) 400-600 mmHg
 (d) 700-900 mmHg

Key: **C**

Itemcode : **JG1131**

Q55 Pick up the correct one:
 : In Muller-Munro Kerr method of testing cephalopelvic disproportion, the tips of internal finger should be placed

- (a) At the level of inlet plane
 (b) At the level of midpelvic plane
 (c) At the level of lower pole of head
 (d) None of the above

Key: **B**

Itemcode : **JG1132**

Q56 The best way to terminate pregnancy in Intrauterine foetal death is by use of

- (a) Prostaglandins
 (b) Oxytocin Infusion
 (c) Intra amniotic instillation of hypertonic saline
 (d) Trans cervical extra amniotic ethacridine lactate

Key: **A**

Itemcode : **JG1133**

Q57 Pick up the wrong one:

: Single umbilical artery is commonly associated with the following

- (a) Babies born of diabetic mothers
- (b) Congenital malformed babies
- (c) Pre-eclamptic toxæmia
- (d) Intra uterine growth retardation

Key: **C**

Itemcode : **JG1134**

Q58 Pick up the wrong one:

: Blood coagulopathy in "abruptio placentae" is due to

- (a) Decreased synthesis of fibrinogen
- (b) Enhanced fibrinolytic activity
- (c) Decreased fibrinogenolysis
- (d) Consumption Coagulopathy

Key: **C**

Itemcode : **JG1135**

Q59 Pick up the wrong one:

: The following statements are related to Rupture Uterus:

- (a) Lower segment uterine scar rarely ruptures during pregnancy
- (b) Uteroculoplasty scar hardly ruptures
- (c) Classical or Hysterotomy scar has got chance of rupture during late pregnancy
- (d) Spontaneous rupture in uninjured uterus usually involves its posterior wall

Key: **D**

Itemcode : **JG1136**

Q60 Pick up the correct one:

: The following vital statistics are expressed in relation to number of births as per FIGO

- (a) The maternal mortality rate is expressed as numbered deaths per 100,000 total births
- (b) Perinatal mortality rate is expressed in terms of deaths per 1000 live births
- (c) Still birth rate is expressed in terms of deaths per 1000 live births
- (d) Neonatal death rate is expressed in terms of deaths per 1000 live births

Key: **D**

Itemcode : **JG1137**

Q61 Pick up the wrong one:

: The following statements are related to Adenomyosis of uterus

- (a) It is an oestrogen dependent lesion
- (b) The incidence is high in Nulliparous woman
- (c) Often co-exists with Fibroid uterus
- (d) All of the above

Key: **B**

Itemcode : **JG1138**

Q62 Pick up the wrong one:

: Cervical intra-epithelial neoplasia may undergo

- (a) Regression
- (b) Persistence
- (c) Progress to invasive carcinoma
- (d) None of the above

Key: **D**

Itemcode : **JG1139**

Q63 Pelvic Endometriosis may produce Infertility by

:

- (a) Anovulation
- (b) Defective Ovum pick-up
- (c) Salpingopathy
- (d) All of the above

Key: **D**

Itemcode : **JG1140**

Q64 Pick the right one:

: Definite diagnostic procedure to detect invasive carcinoma of cervix is

- (a) Vaginal Cytology
- (b) Wedge Biopsy
- (c) Cone Biopsy
- (d) Colposcopy

Key: **C**

Itemcode : **JG1141**

Q65 Pick up the Correct one:

: The conservative treatment of endometriosis with minimal symptoms in a Nulliparous patient aged 28 years is achieved by:

- (a) symptomatic treatment to relieve pain.
 (b) using Danazol to produce pseudopregnancy.
 (c) using combined pill to produce pseudomenopause
 (d) All of the above

Key: **A**

Itemcode : **JG1142**

Q66 The most important clinical feature in the diagnosis of Stein-Leventhal syndrome:
 :

- (a) oligomenorrhoea or secondary amenorrhoea
 (b) obesity
 (c) Hirsutism
 (d) Infertility

Key: **D**

Itemcode : **JG1143**

Q67 The commonest site of primary haemorrhage following total hysterectomy with bilateral salpingo oophorectomy:
 :

- (a) slipping of ligature of infundibulopelvic ligament
 (b) slipping of uterine pedicle
 (c) Vaginal Angle
 (d) generalised oozing from the vault

Key: **C**

Itemcode : **JG1144**

Q68 Pick up the wrong one:
 : The fates of pelvic abscess if left untreated are the following

- (a) Burst into vagina-common possibility
 (b) Burst into rectum
 (c) generalized Peritonitis
 (d) Resolution

Key: **A**

Itemcode : **JG1145**

Q69 Pick up the wrong one:
 : The following are the controls of neurotransmitters and neuromodulators on GnRH secretion:

- (a) Norepinephrine exerts stimulatory effect.
 (b) Dopamine exerts inhibitory effect.
 (c) serotonin exerts stimulatory effect.
 (d) Prostaglandin-E increases the release of GnRH

Key: **C**

Itemcode : **JG1146**

Q70 Pick up the Right one:
 : Distinction between bicornuate and septate uterus can be made most accurately by:

- (a) Hysteroscopy
 (b) Hysterosalpingography (HSG)
 (c) Laparoscopy
 (d) Combined HSG and Laparoscopy

Key: **D**

Itemcode : **JG1147**

Q71 Pick the correct one:
 : During Puberty, in majority of girls, which one of the following appears first.

- (a) Pubic hair
 (b) Axillary Hair
 (c) Development of Breast
 (d) Menstruation

Key: **C**

Itemcode : **JG1148**

Q72 Pick up the wrong one:
 : The following are few branches of anterior division of Internal iliac artery:

- (a) uterine
 (b) vaginal
 (c) superior gluteal
 (d) middle rectal

Key: **C**

Itemcode : **JG1149**

Q73 Preferred conservative surgery in carcinoma -in-situ of cervix:
 :

- (a) Conization
 (b) Cryo Surgery
 (c) Carbon dioxide Laser beam

(d) Large loop excision of transformation zone.

Key: **D**

Itemcode : **JG1150**

Q74 Pick up the wrong one:

:

Colposcopy is unsatisfactory.

- (a) To detect the lesion in endocervical canal
- (b) In postmenopausal women
- (c) In premenopausal women
- (d) To differentiate between inflammatory and neoplastic changes

Key: **D**

Itemcode : **JG1151**

Q75 The best sutures obliterating the myoma bed during myomectomy

:

- (a) continuous through and through
- (b) continuous interlocking
- (c) Mattress
- (d) Interrupted tier

Key: **D**