

S.C.R.A-2010

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

T.B.C. : Q-RBQZ-K-FZS

Test Booklet Series

Serial No. 116825

A

TEST BOOKLET

GENERAL ABILITY TEST

Paper—I

Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C** OR **D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your *Roll Number* on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **120** items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. All items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the responses to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **ONLY** the *Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third (0.33)** of the marks assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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COMPREHENSION

Directions (For the 14 items which follow) :

In this section, you have **three** short passages. After each passage, you will find several questions based on the passage. First, read a passage and then answer the questions based on it. You are required to select your answers based on the contents of the passage and opinion of the author only.

Examples 'I' and 'J' have been solved for you.

PASSAGE (EXAMPLE)

In our approach to life, be it pragmatic or otherwise, a basic fact that confronts us squarely and unmistakably is the desire for peace, security and happiness. Different forms of life at different levels of existence make up the teeming denizens of this earth of ours. And, no matter whether they belong to the higher groups such as human beings or to the lower groups such as animals, all beings primarily seek peace, comfort and security. Life is as dear to a mute creature as it is to a man. Even the lowliest insect strives for protection against dangers that threaten its life. Just as each one of us wants to live and not to die, so do all other creatures.

I. The author's main point is that

- (a) different forms of life are found on the earth
- (b) different levels of existence are possible in nature
- (c) peace and security are the chief goals of all living beings
- (d) even the weakest creature struggles to preserve its life

J. Which one of the following assumptions or steps is essential in developing the author's position?

- (a) All forms of life have a single overriding goal
- (b) The will to survive of a creature is identified with a desire for peace
- (c) All beings are divided into higher and lower groups
- (d) A parallel is drawn between happiness and life, and pain and death

Explanation :

- I. The idea which represents the author's main point is "peace and security are the chief goals of all living beings", which is response (c). So (c) is the correct answer.
- J. The best assumption underlying the passage is "The will to survive of a creature is identified with a desire for peace", which is response (b). So (b) is the correct answer.

PASSAGE—I

It may seem strange then that there could possibly be any room for pleasure in such a disagreeable task. Still, for every agony there is at least one pleasure. How can one adequately describe to listeners who have never had such an experience, the satisfaction felt by the operator when he rises early and when going outdoors he is greeted by the sparkling freshness of the morning? When he mounts to the seat of his tractor he is about to know an experience shared only by those who love fine machinery and earn a living with it. It is the satisfaction of hearing his tractor burst into action with an authoritative roar the instant he pushes the starter button. To listen to the smooth, flawless operation of machinery which he himself has tuned to perfection is to the ears of the operator as the harmonious music of an accomplished symphony orchestra is to the lover of fine music. How can one describe the sweetness which rises from the new-mown hay in the adjacent fields?

1. The given passage deals with
 - (a) the inability of the writer to express himself
 - (b) the pleasures and pains that he has to endure
 - (c) the satisfaction he felt in operating a tractor
 - (d) the pleasure of listening to music
2. The writer evidently
 - (a) considers his task disagreeable
 - (b) likes to wander around to get the smell of new-mown hay
 - (c) does not like to get up early in the morning
 - (d) likes to push the starter button of his machinery
3. The passage conveys the pleasure especially derived from
 - (a) farms and fields
 - (b) working with machinery
 - (c) sights and smells of early morning
 - (d) harmonious music of an accomplished symphony orchestra
4. The smooth, flawless operation of machinery in the passage refers to
 - (a) the writer's love of fine music
 - (b) the satisfaction of rising early
 - (c) the authoritative roar of the tractor
 - (d) the sweetness of new-mown hay in the adjacent fields
5. According to your reading of the passage, the writer
 - (a) is only a visitor to the farm
 - (b) could be one who has come to do some work in the farm
 - (c) could be one engaged in an unfamiliar task
 - (d) could be one looking out for the sparkling freshness of the morning

PASSAGE—II

It was a pleasure for Dr. Watson to find himself once more in the untidy room of the first floor in Baker Street which had been the starting point of so many remarkable adventures. He looked round him at the scientific charts upon the wall, the acid-charred bench of chemicals, violin-case leaning in the corner, the coal-scuttle, which contained old pipes and tobacco. Finally, his eyes came round to the fresh and smiling face of Billy, the young but very wise and tactful page, who had helped a little to fill up the gap of loneliness and isolation which surrounded the saturnine figure of the great detective.

6. Dr. Watson found the room in Baker Street pleasant, because
- (a) it was untidy
 - (b) this was the first time he had entered it
 - (c) it had been the starting point of many adventures
 - (d) he saw Billy in the room
7. Dr. Watson looked round the room, but saw
- (a) nothing of interest
 - (b) many unpleasant objects
 - (c) many familiar objects reminding him of his friend
 - (d) nothing he could identify
8. From the description given of Billy, which one of the following attitudes describes Dr. Watson's reaction to him?
- (a) Enmity
 - (b) Approval
 - (c) Tolerance
 - (d) Disapproval
9. Dr. Watson's attitude to Billy was the result of his recognition that the young servant
- (a) was known to Dr. Watson
 - (b) worked very hard
 - (c) was youthful
 - (d) helped to lessen the loneliness of the great detective
10. It is clear from the passage that the room
- (a) was in fact, a laboratory
 - (b) belonged to the great detective
 - (c) belonged to Dr. Watson
 - (d) belonged to Billy

PASSAGE—III

History with its flickering lamp stumbles along the trail of the past and kindles with pale gleams the passions of the former days. What is the worth of all this? The only guide to a man is his conscience, the only shield to his memory is the rectitude and sincerity of his actions. It is very imprudent to walk through life without this shield, because we are so often mocked at by the failure of our hopes and upsetting of our calculations; but with this shield, however the fates may play, we march always in the ranks of honour.

11. In the given context, the best meaning of the word 'conscience' is

- (a) consciousness
- (b) conformity to what is right
- (c) the virtue of being right
- (d) the sense of right and wrong

12. The word 'however' in the expression 'however the fates may play' may be replaced by

- (a) yet
- (b) by whatever means
- (c) no matter how
- (d) nevertheless

13. The author's suggestion is that rectitude and sincerity of our actions help us ultimately

- (a) to walk through life prudently
- (b) to meet the challenge of fates successfully

(c) to fulfil our hopes and calculations

(d) to be remembered as a virtuous and honourable man

14. The extract is taken from the speech of a very eminent person. The language and particularly the metaphors used seem to suggest that the writer is

(a) a religious preacher attracting his disciples to the paths of virtue

(b) an honest businessman declaring his business policy

(c) a teacher of history addressing his students about the value of history

(d) a great politician inspiring the nation with patriotism

SYNONYMS

Directions (For the 8 items which follow) :

Each of the following items consists of a sentence followed by four words or groups of words. Select the **synonym** of the word (occurring in the sentence in capital letters) as per the context.

15. He MAGNETISED the audience by his extraordinary stage performance.
- (a) Entertained
 - (b) Strongly attracted
 - (c) Amused
 - (d) Impressed
16. He is known as MISANTHROPE.
- (a) A person who hates mankind
 - (b) A person who is charitable
 - (c) A person who is benevolent
 - (d) A person who is cruel
17. He glared at me, shook off my hand and MUTTERED, "With my 'guru' so unhappy, how dare you ask me to drive?"
- (a) Stammered
 - (b) Said
 - (c) Stumbled
 - (d) Mumbled
18. He had a heart attack and all attempts to RESUSCITATE him failed.
- (a) To begin again after a pause
 - (b) To return like for like
 - (c) To bring back to consciousness
 - (d) To keep possession of
19. He is a FEMINIST.
- (a) Supporter of the cause of women
 - (b) Lover and admirer of woman
 - (c) Weak-hearted man
 - (d) Very handsome man
20. The United Nations ENDEAVOURS to put an end to all wars.
- (a) Attempts
 - (b) Deliberates
 - (c) Struggles
 - (d) Exerts
21. The fugitive ROVED about the countryside, because he was not familiar with the area.
- (a) Wandered
 - (b) Took shelter
 - (c) Begged
 - (d) Searched
22. I cast a CURSORY glance over the question papers.
- (a) Hurried
 - (b) Timid
 - (c) Meaningful
 - (d) Inquisitive

ANTONYMS

Directions (For the 8 items which follow) :

Each of the following items consists of a sentence followed by four words. Select the **antonym** of the word (occurring in the sentence in capital letters) as per the context.

- 23.** The question of funds should not be kept in mind while promoting such **VIABLE** projects.
- (a) Impossible
 - (b) Impracticable
 - (c) Complicated
 - (d) Uncompromising
- 24.** His **MEANNESS** is well-known.
- (a) Largeness
 - (b) Kindness
 - (c) Timidity
 - (d) Generosity
- 25.** History teaches us that **COLONISATION** destroys both the coloniser and the colonised.
- (a) Excolonisation
 - (b) Postcolonisation
 - (c) Decolonisation
 - (d) Uncolonisation
- 26.** He was often criticised for his **FRAUDULENT** dealings.
- (a) Bogus
 - (b) Honest
 - (c) Frank
 - (d) Open
- 27.** Excessive perspiration **SAPS** energy.
- (a) Restores
 - (b) Releases
 - (c) Fulfils
 - (d) Instils
- 28.** He has a very **HOSTILE** attitude towards his wife.
- (a) Funny
 - (b) Friendly
 - (c) Rigid
 - (d) Kind
- 29.** The officer did not encourage **SERVILE** behaviour from his subordinates.
- (a) Authoritative
 - (b) Unflattering
 - (c) Loyal
 - (d) Obedient
- 30.** His death has left his wife and little children **DESTITUTE**.
- (a) Rich
 - (b) Self-sufficient
 - (c) Independent
 - (d) Happy

REARRANGING PARTS OF A SENTENCE

Directions (For the 8 items which follow) :

In the following items, some parts of the sentence have been jumbled up. You are required to rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence and mark in your Answer Sheet accordingly.

Example 'Z' has been solved for you.

Z. Some people believe that the effect is very bad on children of cinema
P Q R S

The correct sequence should be

- (a) P - S - R - Q
- (b) S - P - Q - R
- (c) S - R - P - Q
- (d) Q - S - R - P

Explanation :

The proper way of writing the sentence is "Some people believe that the effect of cinema on children is very bad". This is indicated by the sequence P - S - R - Q and so (a) is the correct answer.

31. We have come to know that the committee always to whoever came first awarded
P Q R
a beautiful silver medal
S

The correct sequence should be

- (a) P - Q - R - S
- (b) R - S - P - Q
- (c) P - R - S - Q
- (d) Q - P - R - S

32. Sherlock Holmes is character in fiction than any other more people
P Q R
perhaps known to
S

The correct sequence should be

- (a) S - R - Q - P
- (b) Q - P - S - R
- (c) Q - S - P - R
- (d) R - S - Q - P

33. The visitor said that he saw some people who shouted "Long live labour unity"
P Q
in the street when he started from home
R S

The correct sequence should be

- (a) P - Q - R - S
- (b) P - S - Q - R
- (c) S - P - R - Q
- (d) S - R - P - Q

34. the principal shortcoming of this interpretation of culture lies in its failure
P Q
to encompass the social nature of culture
R
so far as theory and methodology is concerned
S

The correct sequence should be

- (a) P - S - Q - R
- (b) Q - S - R - P
- (c) S - R - Q - P
- (d) S - Q - R - P

35. The whole project by drawing about 60000 volunteers
P
students, youth, teachers and retired persons would be completed
Q R
from different groups such as
S

The correct sequence should be

- (a) R - S - P - Q
- (b) R - P - S - Q
- (c) P - S - Q - R
- (d) Q - R - S - P

36. it is unity which will generate dissensions rather than disunity
P Q R
that is the need of the hour
S

The correct sequence should be

- (a) P - Q - R - S
- (b) P - S - R - Q
- (c) R - Q - P - S
- (d) Q - P - R - S

37. deworming medicine suspected to have worms and were given
P Q R
all the animals were
S

The correct sequence should be

- (a) S - P - R - Q
- (b) S - Q - R - P
- (c) P - R - S - Q
- (d) P - Q - R - S

38. it is obvious that an open mind is a good thing but not outside of them
P Q R
within certain limits
S

The correct sequence should be

- (a) Q - P - S - R
- (b) P - Q - S - R
- (c) R - P - Q - S
- (d) P - R - Q - S

Directions (For the 15 items which follow) :

In the following passage at certain points, you are given a choice of four words marked (a), (b), (c), (d). Choose the best word out of the four and indicate your choice in the Answer Sheet.

The word 'music' brings to our mind melodious sounds which may be produced either by a singer or a player of musical instruments. Some people feel that music is the 39

- (a) source
- (b) essence
- (c) substance
- (d) place

of life. Yet others believe that music 40

- (a) elevates
- (b) brings
- (c) sensitises
- (d) elongates

man to a divine state. A few 41

- (a) stress
- (b) emphasise
- (c) insist
- (d) urge

that music can melt stones!

Generally, music is 42

- (a) explained
- (b) defined
- (c) described
- (d) shown

as the arrangement of sounds in a pleasing 43.

- (a) sequence
- (b) system
- (c) order
- (d) arrangement

Like all arts, music speaks to the 44

- (a) feelings
- (b) passions
- (c) emotions
- (d) ideas

but the communication is accomplished by the 45

- (a) skilful
- (b) artistic
- (c) creative
- (d) passionate

combination of sounds. Just as some colours 46

- (a) come
- (b) go
- (c) are
- (d) were

together, and others clash, similarly, all 47

- (a) sounds
- (b) noises
- (c) cries
- (d) shouts

are not appealing to the ear. Modern music 48

- (a) do
- (b) does
- (c) did
- (d) been

● not take note of this. It lacks the 49

- (a) basics
- (b) foundations
- (c) essentials
- (d) substance

of harmony. Moreover, it depends heavily on electronic 50

- (a) instruments
- (b) machines
- (c) gadgets
- (d) furniture

which, only someone who has the technical 51

- (a) expertise
- (b) knowledge
- (c) information
- (d) know-how

can handle. It also relies on visual 52

- (a) impressions
- (b) images
- (c) expressions
- (d) feelings

True music appeals to the mind; modern music 53

- (a) involves
- (b) elicits
- (c) expects
- (d) derives

only a physical response and therefore, cannot be called true music. Right?!

REARRANGING SENTENCES INTO A PARAGRAPH

Directions (For the 7 items which follow) :

In the following items, each passage consists of six sentences. The *first* sentence (S_1) and the *final* sentence (S_6) are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled P, Q, R and S. You are required to find out the proper sequence of the four sentences and mark accordingly on the Answer Sheet.

Example 'X' has been solved for you.

- X. S_1 : There was a boy named Jack.
 S_6 : At last she turned him out of the house.
P : So the mother asked him to find work.
Q : They were very poor.
R : He lived with his mother.
S : But Jack refused to work.

The correct sequence should be

- (a) R - Q - P - S (b) P - Q - R - S
(c) Q - P - R - S (d) R - P - S - Q

Explanation :

The proper sequence in this example is R - Q - P - S, which is marked by (a). Therefore, (a) is the correct answer.

54. S_1 : For more than forty countries, the majestic pyramids have dominated the skyline of Egypt.
 S_6 : Today, several teams of scientists are engaged in research on the pyramids.
P : But at the same time, they were also expressions of religious faith for Egyptians believed in life after death.
Q : The scientists concluded that the pyramids contain important information about an ancient civilisation.
R : From 19th century onwards, European scholars began to take interest in them.
S : They found that these structures were basically giant tombs.

The correct sequence should be

- (a) P - S - Q - R
(b) R - P - S - Q
(c) Q - P - R - S
(d) R - S - P - Q

55. S₁ : He was born in Lahore in a poor family.

S₆ : So he joined the correspondence course and got his degree.

P : But he was eager to get a degree.

Q : Due to poverty he could not join a college.

R : He had his schooling in Delhi.

S : His family moved to Delhi when he was a few months old.

The correct sequence should be

(a) P - Q - R - S

(b) S - R - Q - P

(c) R - P - S - Q

(d) S - Q - P - R

56. S₁ : We shut ourselves inside Rock Castle and seized our guns.

S₆ : Now the snake was crossing the bridge and making straight for our cave!

P : Now and then it raised itself and we could see that it was at least twenty feet high.

Q : The huge snake, a boa-constrictor, was coming straight towards us.

R : It was a fearful sight.

S : We stood there, at the window, watching in great fear.

The correct sequence should be

(a) R - S - P - Q

(b) S - R - Q - P

(c) Q - S - P - R

(d) S - Q - P - R

57. S₁ : "I'll go and tell..." exclaimed the boy; he got up and started running all of a sudden towards the house, and the teacher started after him.

S₆ : It was a hopeless pursuit; the boy enjoyed it immensely, laughing fiendishly.

P : The teacher looked beaten.

Q : The boy was too fast for him, wheeled about madly, and made the teacher run round the garden thrice.

R : But the moment he went up and tried to put his hand on him, the boy darted through and ran off.

S : The boy took pity on him and stopped near a rose bush.

The correct sequence should be

(a) Q - P - S - R

(b) P - Q - S - R

(c) P - S - Q - R

(d) R - P - S - Q

58. S₁ : Throughout the world today, people are faced with a choice between various binds of government.

S₆ : He wonders which to choose.

P : Each prescribes his own brand of patent medicines.

Q : There are rival political doctors.

R : And the poor common man feels totally puzzled.

S : Each guarantees to cure us of our ills if only we put ourselves under their treatment.

The correct sequence should be

(a) P - Q - R - S

(b) S - P - R - Q

(c) Q - S - P - R

(d) Q - P - S - R

59. S₁ : Freedom ordinarily means power to do what are likes regardless of all conditions.

S₆ : In fact, freedom of one cannot be the negation of freedom to another.

P : Unrestricted power given to a person to do as he likes is fraught with dangerous consequences.

Q : Therefore, in order that all enjoy freedom, some restraints have to be put on the freedom of action of every person.

R : It will mean more power for a few and no freedom for the weak.

S : But it is a serious misconception.

The correct sequence should be

(a) R - P - S - Q

(b) P - Q - S - R

(c) S - P - R - Q

(d) Q - S - P - R

60. S₁ : Frustration is a global cancer which has spared no country.

S₆ : Many reforms have been discussed at length but have come to nothing for one reason or another.

P : And yet no one seems too clear about what can be done to make it more meaningful.

Q : In other countries which are populated by 'haves', frustration is among them also because they do have.

R : As far as India is concerned, its education system is breeding more and more frustration among both students and teachers.

S : In some countries, frustration exists because these countries are populated by 'have nots'.

The correct sequence should be

(a) Q - R - P - S

(b) S - Q - R - P

(c) P - R - Q - S

(d) P - S - R - Q

Directions :

The following **five (5)** items consist of two statements, Statement I and Statement II. You are to examine these two statements carefully and select the answers to these items using the code given below :

Code :

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I.
- (b) Both the statements are individually true but Statement II is **not** the correct explanation of Statement I.
- (c) Statement I is true but Statement II is false.
- (d) Statement I is false but Statement II is true.

61. Statement I :

Kanishka stimulated the growth of Mahayana Buddhism.

Statement II :

This led to the growth of the Mathura School of Art which set the style of Indian art.

62. Statement I :

With the discovery of iron the Vedic culture extended to the central and eastern Gangetic plains.

Statement II :

This led to the process of a second urbanisation.

63. Statement I :

In general, sex ratio in urban areas is in favour of females.

Statement II :

There is selective migration of people from rural to urban areas.

64. Statement I :

Surface winds are often ascendant near horse latitudes.

Statement II :

The air is descending in this high pressure area.

65. Statement I :

The rapid growth of nuclear family in India is a recent phenomenon.

Statement II :

New urban centres in India are ideally suited for nuclear family.

66. A machine raised a load of 360 N through a distance of 200 mm. The effort, a force of 60 N, moved 1.8 m during the process. The effort lost in friction is

- (a) 60 N
- (b) 40 N
- (c) 20 N
- (d) Data is insufficient to calculate

The next 3 items are based on the passage given below :

A balanced diet offers a combination of major nutrients along with vitamins, minerals and water. There are five food groups namely grain; fruits; vegetables; egg, fish and meat; and milk products which adequately provide all the necessary nutrients. Our body requires 45-50 types of molecules that are called essential nutrients. These nutrients undergo into series of chemical changes involving building up and breaking down of substances for the use of body. This process is called as metabolism. The process of building complex molecules out of simple ones absorbed from the intestine is called anabolism. The breaking down of chemical compounds into simple ones accompanied by energy liberation is called catabolism. Excessive anabolism results into weight gain and excessive catabolism results into loss of weight. Carbohydrates, such as cereals, are essential for tissue building and accelerating fat use for energy. Excessive intake however causes obesity. Fat nutrients from milk, milk products, oil, etc., help the body absorb fat-soluble vitamins and help in the growth of adipose tissue that protects the vital organs. Protein sources like cereals, lentils, meat, fish and egg are important to perform variety of functional and regulatory roles. Many of these serve as essential amino acids required for enzymes, hormones and haemoglobin. Deficiency of protein at an early stage results into physical and mental retardness.

67. Tissue development and bone health depend on proportionate intake of

- (a) vitamins only
- (b) vitamins and proteins only
- (c) minerals and vitamins only
- (d) vitamins, proteins, fats and minerals

68. Secretion and function of enzymes and hormones are controlled by proper intake of

- (a) proteins only
- (b) proteins and vitamins
- (c) vitamins only
- (d) amino acids

69. According to the passage, metabolism is

- (a) breaking of substances only
- (b) building of substances only
- (c) energy liberation only
- (d) building and breaking of substances along with energy liberation

70. The Rules of procedure require that if a Member of Parliament is arrested, the Speaker/Chairman must be informed of the arrest 'immediately'. If this is not done, which among the following options are available before the Speaker/Chairman?

- 1. To order the release of the arrested Member
- 2. To refer the matter to the Privileges Committee
- 3. To allow the matter to be raised on the floor of the House as a question of breach of privilege
- 4. To issue notice to the arresting authority to explain

Select the correct answer using the code given below :

Code :

- (a) 1, 2, 3 and 4
- (b) 2, 3 and 4 only
- (c) 2 and 3 only
- (d) 1 and 4 only

71. Which one among the following was a significant factor that marked the transition from feudalism to capitalism in India?

- (a) Imposition of a cash revenue demand and the long-term growth of trade in the Ganges valley
- (b) The establishment of the East India Company in Bengal after the Battle of Plassey
- (c) The growth of religious movements
- (d) The weak rule of the Mughal Emperor

72. In which among the following would you find the highest degree of biodiversity?

- (a) High latitude forests
- (b) Tropical evergreen forests
- (c) Tropical deciduous forests
- (d) Tropical thorn forests

73. Which one among the following is **not** an element of Bureaucracy?

- (a) Recruitment and promotion according to the rules
- (b) Hierarchical order of command
- (c) Specific division of labour in the setup
- (d) Personal loyalty to the Chief Executive Officer

74. In a lifting machine, the efforts required to lift loads of 200 N and 300 N are 50 N and 60 N respectively. The maximum efficiency which can be expected from this machine is (given, velocity ratio = 20)

- (a) 30%
- (b) 45%
- (c) 50%
- (d) 60%

75. Consider the following statements :

1. Oil spills in tropical marine environment are less disastrous due to fast evaporation rate compared to the temperate environment.
2. Coastal vegetation is not affected by oil pollution in tropical condition.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

76. When Babur established dynasty in India as one of the greatest land powers in Asia

- (a) English sea power already controlled the Indian Ocean
- (b) French sea power already controlled the Indian Ocean
- (c) Portuguese sea power already controlled the Indian Ocean
- (d) Dutch sea power already controlled the Indian Ocean

77. In which one among the following States would you **not** find Western Ghats passing through?

- (a) Tamil Nadu
- (b) Karnataka
- (c) Kerala
- (d) Andhra Pradesh

78. The status of a person in the Indian caste system is his/her

- (a) achieved status
- (b) occupational status
- (c) formal status
- (d) ascribed status

79. Consider the following diseases :

- 1. H1N1
- 2. TB
- 3. Haemophilia

Which of the above is/are of hereditary nature?

- (a) 2 and 3
- (b) 1 and 2
- (c) 1 and 3
- (d) 3 only

The next 2 items are based on the passage given below :

The trade with Rome brought large numbers of Roman gold coins to southern India. In contrast with the Kushanas who melted down all Roman coins and reissued them in their own name, the rulers of south India did not do this but simply defaced the coins. A sharp cut across the face of the Roman Emperor indicated that his sovereignty was not recognised but his coins were welcome and would be accepted according to their own intrinsic value.

80. Roman coins were reused in south India by a process of

- (a) melting and reissued in the name of Roman rulers
- (b) defacing the coins by a sharp cut across the face of the Roman Emperor only
- (c) melting and reused in the name of the rulers of south India
- (d) defacing the coins by a sharp cut across the face of the Roman Emperor and then melting them and reused

81. What was/were the implication(s) of the action taken on the Roman coins by the rulers of south India?

1. Hatred towards the Roman Emperor
2. Trade rivalry with the Roman Emperor
3. Sovereignty of the Roman Emperor was not recognised
4. Coins were used for its own value

Select the correct answer using the code given below :

Code :

- (a) 1, 2, 3 and 4
- (b) 1 and 3 only
- (c) 3 and 4 only
- (d) 4 only

82. Which of the following countries is/are landlocked?

1. Nepal
2. Bangladesh
3. Pakistan
4. Bhutan

Select the correct answer using the code given below :

Code :

- (a) 1 only
- (b) 2, 3 and 4
- (c) 4 only
- (d) 1 and 4

83. Although the Constitution makes it obligatory for the President to act in the discharge of his/her functions on the aid and advice of the Council of Ministers, in which among the following matters can he/she act in his/her own judgment *without* the advice of the Council of Ministers?

1. Grant of pardon to a convict sentenced to death
2. Appointment of the Prime Minister in a situation where no party or alliance commands majority in the House of the People
3. Appointment of the Prime Minister in case of sudden death of the incumbent
4. Dissolution or otherwise of the House of the People on the advice of the Council of Ministers that has lost the confidence of the House

Select the correct answer using the code given below :

Code :

- (a) 1, 2, 3 and 4
- (b) 2, 3 and 4 only
- (c) 1 and 3 only
- (d) 2 and 4 only

84. Four movable pullers are arranged as in first system. The weight of each pulley is 5 N. The effort which can lift a load of 10 kN is approximately

- (a) 500 N
- (b) 600 N
- (c) 630 N
- (d) 730 N

85. Which one among the following types of societies is characterised as having the last antagonistic clan relations?

- (a) Slave society
- (b) Feudal society
- (c) Socialist society
- (d) Capitalist society

86. Vaccination is a technique to

- (a) kill infector within the body
- (b) develop immunity
- (c) kill infector from the environment
- (d) disinfect the infected area of the body

87. In Gupta age, guilds formed the major institutions in

- (a) the religious matters
- (b) the land revenue matters
- (c) the social structure
- (d) the manufacture of goods and in commercial enterprises

88. Which of the following is/are the characteristic(s) of cloudbursts?

1. Rainfall is confined to a small area
2. Rainfall is confined to a short time
3. Heavy snowfall
4. Heavy intermittent rain for long hours

Select the correct answer using the code given below :

Code :

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

89. Which one of the following is the correct sequence in ascending order according to their sizes?

- (a) Clan, Lineage, Family, Tribe
- (b) Family, Clan, Tribe, Lineage
- (c) Lineage, Clan, Tribe, Family
- (d) Family, Lineage, Clan, Tribe

90. Salaries and allowances for Members of Parliament (MPs) are determined by the Parliament by law. Which of the following statements in this regard is/are correct?

1. Law passed by the Parliament has also provided for pension and some perks to former MPs.
2. There is no requirement of any minimum period of service as a Member to become entitled to receive pension for life.

Select the correct answer using the code given below :

Code :

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

91. Match List I with List II and select the correct answer using the code given below the Lists :

<i>List I</i> (Vaccine)	<i>List II</i> (Disease)
A. Anti-Hepatitis	1. TB
B. BCG	2. Diphtheria
C. Salk	3. Jaundice
D. DPT	4. Polio

Code :

(a) A B C D
2 1 4 3

(b) A B C D
2 4 1 3

(c) A B C D
3 1 4 2

(d) A B C D
3 4 1 2

92. A machine will be reversible if its efficiency is equal to or more than

- (a) 20%
(b) 30%
(c) 40%
(d) 50%

93. Which of the following statements regarding the British administration in India is/are correct?

1. The Policy of Ring Fence referred to the setting up of a ring of buffer States.
2. The Subsidiary Alliance Policy was nothing but the diplomatic tactics of the British to extend the British supremacy in India.

Select the correct answer using the code given below :

Code :

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

94. Which of the following statements regarding whirlwinds are correct?

1. They are most dominant in the afternoon.
2. They are most common in summer rather than winter.
3. They are strongest in the subtropical countries.
4. They develop more in barren surfaces rather than in areas with vegetative cover.

Select the correct answer using the code given below :

Code :

(a) 1 and 2 only

(b) 1, 2 and 3 only

(c) 3 and 4 only

(d) 1, 2, 3 and 4

The next 3 items are based on the following passage :

"We believe in democracy. Speaking for myself, I believe in it, first of all because I think it is the right means to achieve ends and because it is a peaceful method. Secondly, because it removes the pressures which other forms of government may impose on the individual. It transforms the discipline which is imposed by authority largely to self-discipline. Self-discipline means that even people who do not agree, the minority, accept solutions because it is better to accept them and then change them, if necessary, by peaceful methods, therefore, democracy means to me an attempt at the solution of problems by peaceful methods. If it is not peaceful then to my mind, it is not democracy. If I may further elaborate the second reason, democracy gives the individual an opportunity to develop. Such opportunity does not mean anarchy, where every individual does what he likes. A social organisation must have some discipline to hold it together. This can either be imposed from outside or be in the nature of self-discipline. Imposition from outside may take the form of one country governing another or of an autocratic or authoritarian form of government. In a proper democracy, discipline is self-imposed. There is no democracy if there is no discipline."

95. According to the author, which of the following is **not** a basic requisite for democracy?

- (a) Solving problems through peaceful means
- (b) Allowing full freedom to all citizens to do what they like
- (c) Use of right means to achieve right ends
- (d) Acceptance of majority decisions by minority

96. Democracy is preferred to other systems, because

- (a) it helps the individual to grow
- (b) it imposes the necessary discipline in the society
- (c) it means freedom from arbitrary or totalitarian rule
- (d) of all of the above

97. Self-discipline does **not** mean

- (a) yielding to pressure from outside
- (b) striving to bring about change through peaceful methods
- (c) respect for minority rights
- (d) accepting the freedom of everyone to disagree with the majority decision

98. Which among the following is/are example(s) of secondary group?

- 1. Professional association
- 2. Labour union
- 3. Club
- 4. Family

Select the correct answer using the code given below :

Code :

(a) 1 and 2 only

(b) 4 only

(c) 1, 2 and 3 only

(d) 1, 2, 3 and 4

99. Deflation means

- (a) negative inflation rate
- (b) decline in inflation rate
- (c) depreciation of local currency
- (d) decline in money supply

100. Match List I with List II and select the correct answer using the code given below the Lists :

List I
(Deficiency)

List II
(Vitamin)

- | | |
|--------------------|---------------|
| A. Scurvy | 1. B |
| B. Night blindness | 2. Folic acid |
| C. Anemia | 3. C |
| D. Beriberi | 4. A |

Code :

(a) A B C D
1 4 2 3

(b) A B C D
1 2 4 3

(c) A B C D
3 4 2 1

(d) A B C D
3 2 4 1

101. Consider the following statements :

1. The Constitution and polity in India are based on the fundamental principle of equality and non-discrimination between citizens on grounds of caste, etc.
2. The purpose of reservation for Scheduled Castes was "for transcending caste and for perpetuating it".
3. The Constitution provides for special provisions for socially and educationally backward classes but the term OBC (Other Backward Castes) is not mentioned in the Constitution.

Which of the statements given above is/are correct?

- (a) 1 and 3 only
- (b) 1 and 2 only
- (c) 2 only
- (d) 1, 2 and 3

102. In the third system of pulley, there are in all 7 pulleys including the fixed pulley. The weight of each pulley is 5 N. Approximately how much weight can be supported by applying an effort equal to 80 N?

- (a) 10.8 N
- (b) 10.8 kN
- (c) 100.8 N
- (d) 1.8 kN

103. Which of the following is/are the correct characteristic(s) of a young river?

1. Narrow deep valley
2. Waterfalls are rapid
3. Oxbow lake
4. Shallow valley

Select the correct answer using the code given below :

Code :

- (a) 1 only
- (b) 1 and 2 only
- (c) 1, 2 and 3
- (d) 2 and 4

104. Growth of slum population in urban India is primarily due to

- (a) natural growth of urban population
- (b) rural to urban migration
- (c) urban to urban migration
- (d) All of the above

105. During the time of recession

- (a) interest rate should be increased
- (b) taxes should be increased
- (c) Cash Reserve Ratio should be increased
- (d) expenditure on public projects should be increased

106. In India, can an adjournment motion be moved in the Council of States?

- (a) Yes, if permitted by the Chairman
- (b) No, never
- (c) Yes, only if it is in a matter of urgent public interest
- (d) Yes, only if the government agrees

107. Which one among the following is an example of footloose industry?

- (a) Business processing office
- (b) Footwear industry
- (c) Small-scale industry
- (d) Garment manufacturing industry

108. In a western differential pulley block, the number of recesses in the smaller wheel is $\frac{9}{10}$ of that of larger wheel. If the load lifted by an effort of 300 N is 3 kN, the efficiency of the machine will be

- (a) 20%
- (b) 30%
- (c) 40%
- (d) 50%

The next 2 items are based on the following passage :

The Revolt of the Sepoys was accompanied by a rebellion of the civil population, particularly in the North-Western Provinces and Oudh, the two areas from which the Sepoys of the Bengal army were recruited. Except in Muzaffarnagar and Saharanpur, civil rebellion followed the revolt of the Sepoys. The action of the Sepoys released the rural population from fear of the state and the control exercised by the administration. Their accumulated grievances found immediate expression and they rose en masse to give vent to their opposition to British rule. Government buildings were destroyed, the treasury was plundered, the magazine was sacked, barracks and courthouses were burnt and prison gates were flung open.

109. Which of the following factors led the civil population to break into open rebellion?

- (a) The influence of the revolt of the Sepoys itself
- (b) They were released of the fear of the state and the control of the administration
- (c) Their accumulated grievances
- (d) All of the above

110. What does the attack on government institutions, treasury, magazine, barracks, courthouses, and prison gates signify?

- (a) Giving vent to their accumulated grievances
- (b) Opposition to symbols of power
- (c) Mob-frenzy
- (d) Imitating the Sepoys

111. Inflation accompanied by increase in unemployment is called

- (a) recession
- (b) depression
- (c) deflation
- (d) stagflation

112. In a case where 'A' was elected as a Member of Lok Sabha in the year 2009 by a narrow margin of five votes, and 'B', who was runner-up candidate decided to challenge the result on various counts, which would be the forum available to 'B' to file a petition in this regard?

- (a) Election Tribunals
- (b) Election Commission
- (c) High Court
- (d) Supreme Court

113. Consider the following statements about the National Investment Fund :

1. The proceeds from disinvestment from the central public sector enterprises are channelised into the Fund.
2. The Fund is a part of the Consolidated Fund of India.
3. The income from the Fund is used as capital investment in selected public sector enterprises.

Which of the statements given above is/are correct?

- (a) 1, 2 and 3
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1 only

114. An increase in money supply in the economy will lead to

- (a) increase in inflow of FDI
- (b) appreciation of domestic currency
- (c) increase in prices in the economy
- (d) None of the above

115. Low stationary phase of demographic transition theory with low birth-rate and death rate is the characteristic of

- (a) Haryana
- (b) Arunachal Pradesh
- (c) Andhra Pradesh
- (d) Kerala

116. The five-year term of the House of the People and the State Assemblies is counted from the date of

- (a) declaration of results
- (b) constitution of the House
- (c) issue of summons to the Members
- (d) the first sitting of the House

The next 4 items are based on the given information which is followed by two possible inferences. Which one of the following options applies to each of the items ?

- (a) Only inference I follows
- (b) Only inference II follows
- (c) Both inferences I and II follow
- (d) Neither inference I nor II follows

117. All apples are bananas. Some apples are oranges.

- (I) Some oranges are bananas.
- (II) Some bananas are oranges.

119. All officers are trained. All trained are efficient.

- (I) All officers are efficient.
- (II) All efficient people are officers.

118. All flowers are rivers. All rivers are stars.

- (I) All flowers are stars.
- (II) All stars are flowers.

120. No ice cream is sweet. Some ice creams are flavoured.

- (I) No flavoured thing is sweet.
- (II) No sweet thing is flavoured.

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