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FOR JKSSEE PREPARATION

JKSSEE 2021 Question Paper Class 9

EXAM	YEAR	TYPE
JKSSEE	2021	Question Paper

4352

Roll Number | | | | | | |

TEST BOOKLET

IX

Test Booklet Series/No. SSET

Name of the Candidate :

Signature of the Candidate :

Time: 2½ Hours

Maximum Marks: 270

GENERAL INSTRUCTIONS FOR CANDIDATE

A single test booklet comprising of 05 sections (32 Pages) will be given to each candidate, comprising 135 Questions. **Each question carries 2 marks.**

a) A separate OMR sheet will be provided. Candidates are required to indicate their answers at an appropriate place on the OMR sheet itself.

b) Only blue/black ball point pen is to be used to write on the OMR sheet. Candidates should bring their own ball point pens. Use of Pencil is strictly prohibited.

c) For each question, there are four probable answers out of which only one is correct. The candidate is required to select correct answer and darken bubble against the correct option provided against each question in the OMR sheet. For example if your answer for question No.5 is D answer like this

05. (a) (b) (c) (d)

d) No change in the answer once written is allowed. Overwriting, cutting and erasing on the OMR Sheet is also not allowed.

About instruction and Examples

a) The candidates must carefully read the instructions given on the cover page of the test booklet as well as those for each test / section before attempting the questions.

b) About one minute may be needed to answer each question. Therefore, the candidate should not spend too much of time on a particular question. If a question is found difficult to answer he may leave it and move on to the next one. This will help him to save time.

c) The total time would be 150 minutes without any break.

d) There will be a bell at the half time.

* No changes in the answer once written is allowed.
* There is only one correct answer for each question, darken only one bubble for each question. If you darken more than one bubble your answer will be treated as wrong. Do not fold or deface the OMR sheet.
* Do not use whitener/correction fluid on OMR sheet.
* Rough work must not be done on the OMR sheet use the last blank pages of the test booklet for rough work.

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Section - Mathematics

Q1:- If 179 y 3712 is divisible by 7 then the digit at the place of y is

a) 2 b) 5 c) 9 d) None of these

Q2:- By which number 76241516 is not divisible

a) 2 b) 4 c) 12 d) 13

Q3:- The traffic lights at three different road crossing change after every 60s, 84s and 120 seconds respectively. If they change simultaneously at 8.15am at what time will they change simultaneously again?

a) In 12 minute
b) In 15 minute
c) In 14 minute
d) None of these

Q4:- The LCM of 4.5, 1.8, 30, 7.2 is

a) 260
b) 180
c) 72
d) None of these

Q5:- Square root of 370.747323 is

a) 19. 2854
b) 19.2485
c) 19.2548
d) None of these

Q6:- Cube root of 242.270421 is

a) 6.432
b) 6.324
c) 6.234
d) 6.436

Q7:- The value $(-\frac{1}{343})^{-4/3}$ is

a) 729
b) 343
c) $\frac{1}{343}$
d) None of these

Q8:- The simplification of $\frac{11.21 \times 11.21 - 7.83 \times 7.83}{4.9504}$ *is*

a) 11.31
b) 90.0
c) 13.00
d) 8.05

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Q9:- If $\frac{y}{5} - \frac{3}{8} = -\frac{2y}{5} + \frac{7}{11}$ then value of y is

a) $\frac{262}{445}$ b) $\frac{145}{445}$ c) $\frac{445}{264}$ d) $\frac{544}{622}$

Q10:- If $9\frac{1}{3} + 9\frac{2}{7} + x = 21\frac{3}{5}$, then value of x is

a) $\frac{313}{105}$ b) $-\frac{105}{313}$ c) $\frac{331}{105}$ d) *None of these*

Q11:- Three brands X, Y and Z of biscuits are available in packets of 18, 21 and 24 biscuits respectively. If the shopkeepers wants to buy an equal amount of biscuits of each brand , What is biscuits of each brand , What is the minimum number of packets of each brand, he should buy?

a) 28, 24, 21 b) 33, 42, 45

c) 18,32, 48 d) None of these

Q12:- What should be subtracted from $(p^3-8p^2 + 6p- 8)$ so that it may exactly be divisible by (p-3)

a) 30 b) - 35 c) -27 d) None of these

Q13:- If x varies as y and $x = 11$, when $y = 15$ then the value of x when $y = 13$ is

a) $9\frac{8}{15}$ b) $8\frac{17}{17}$ c) $11\frac{7}{17}$ d) *None of these*

Q14:- if 8 % VAT is included in the prices, the original price of computer bought for Rs 18900 is

a) 18200 b) 17500 c) 17800 d) 17500

Q15:- A sum of money amounts to Rs 8820 in **2Yrs** and Rs 12005 in **4Yrs** at the compound interest. The Principal amount is

a) Rs 6380 b) 6480 c) 6798 d) 6570

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Q16:- A motor cycle was bought for Rs 58000. Its value depreciated at the rate of 10 % per annum. Its value after two year is

a) 46900 b) 48780 c) 46980 d) None of these

Q17:- Efficiency of A is four times to that of B. If they will complete the work in 16 days by working together then in how many days can B alone complete the work?

a) 32 b) 20 c) 16 d) None of these

Q18:- Two cyclists start from the same place in opposite direction. One goes towards north at 16km/h and other goes towards south at 19 km/h. What time will they take to be 70 km apart?

a) 1 hour b) $1\frac{1}{4}$hours c) 2 hours d) None of these

Q19:- The Length of the sides BC and AC of a right angled ΔABC are 5cm and 12cm. The length of hypotenuse will be.

a) 7cm b) 13cm c) 15cm d) 17cm

Q20:- A wire is in the form of a circle of radius 49cm. It is bent into a square. The side of the square is

a) 66cm b) 77cm c) 88cm d) None of these

Q21:- The diameter of a right circular cone is 12cm and the slant height is 10m. The total surface area of the cone is

a) $\frac{2412}{7}$ m^2 b) $\frac{2312}{7}$ m^2 c) $\frac{2112}{7}$ m^2 d) $\frac{2012}{7}$ m^2

Q22:- A die is rolled once. What is the probability that the number of top will be a multiple of 3, also find the factor of 6

a) $\frac{1}{3}, \frac{2}{3}$ b) $\frac{1}{4}, \frac{3}{5}$ c) $\frac{1}{5}, \frac{3}{5}$ d) *None of the these*

Q23:- Find the median and mode of the following data.

6,9,12,15, 9, 3,6,9,12,6,10,3,6,15,6

a) 9, 6 b) 9,9 c) 6, 10 d) None of the above

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Q24:- the length of the sides of a triangle are in the radio of 3 : 4 : 5 and its perimeter is 144. The area of the triangle is

a) $684cm^2$ b) $774cm^2$ c) $864cm^2$ d) None of these

Q25:- A ladder 17m long when set against the wall of a house first reaches a window at a height of 15m from the ground. The distance of its lower end from the wall will be

a) 10m b) 11m c) 12m d) None of these

Q26:- If the height of a cylinder becomes $\frac{1}{4}$ of the original height and the radius is doubled, then which of the following will be true?

a) Volume of the cylinder will be doubled

b) Volume of the cylinder will remain unchanged.

c) Volume of the cylinder will be halved.

d) Volume of the cylinder will be ¼ of the original volume.

Q27:- In a class $\frac{3}{5}$ of the students are girls and rest are boys. If $\frac{2}{9}$ of the girls and $\frac{1}{4}th$ of the boys are absent. What part of the total number of students are present?

a) $\frac{23}{30}$ b) $\frac{23}{36}$ c) $\frac{18}{49}$ d) $\frac{17}{25}$

Q28:- The external angle of a regular polygon is 45^0. Find the sum all the internal angles of it.

a) 1082^0 b) 1080^0 c) 1085^0 d) 1090^0

Q29:- The length, breadth and height of a room are in the radio of 3: 2:1. If its volume be $1296m^3$, its breadth is

a) 12m b) 18m c) 16m d) 24m

Q30:- Ram puts some buttons on the table. There were 4 blue. 7 red, 3 black and 6 white buttons in all. All of a sudden, a cat jumped on the table and knocked out one button on the floor. What is the probability that the button on the floor is blue?

a) $\frac{7}{20}$ b) $\frac{3}{5}$ c) $\frac{1}{5}$ d) $\frac{1}{4}$

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Q31:- The difference between the sides at right angles in a right angled triangle is 14cm. The area of the triangle is $120cm^2$. The perimeter of the triangle is

a) 68cm b) 64cm c) 60cm d) 58cm

Q32:- In a ΔABC , AB = 11cm , BC = 60cm and AC = 61cm. What type of Δ ABC

a) Acute angled triangle b) Right angled triangle

c) Obtuse angled angle d) None of the above

Q33:- A man has a certain number of chickens and goats. Their head count is 30. If the total number of their legs is 84, what is the ratio between the number of chickens and goats?

a) 1:2 b) 2: 3 c) 3: 2 d) 3: 4

Q34:- The factor form of $(a^4 b^4 - 16 c^4)$ is

a) $4 (a^2 b^2 + c^2) (ab-2c) (ab+2c)$ b) $(a^2b^2-4c^2) (ab+2c)^2$

c) $(a^2b^2 + 4c^2) (ab +2c) (ab-2c)$ d) $(a^2b^2 -4c^2) (ab +2c) (ab + 4c)$

Q35:- If $7^2 = 1680$, then value of 7^{X-3} is

a) 7 b) 49 c) 249 d) 2401

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Section - English

Direction :- In the following questions , there is an error in the sentence. Find the part of the sentence which has an error.

Q36:- The woodcutter was cutting the branches from his axe.

a) the woodcutter
b) was cutting
c) the branches
d) from his ace

Direction:- Name the underlined adjective.

Q37:- she does not drive my car.

a) Descriptive Adjective
b) Proper Adjective
c) Interrogative Adjective
d) Possessive Adjective

Direction :- In the following question, there is an error in the sentence. Find the part of the sentence which has an error.

38:- We should hurried otherwise we will get late.

a) We should
b) hurried
c) otherwise we will
d) get late

Direction:- Complete the following sentence with the correct form of verb as given in the brackets.

Q39:- the plane ___ (take off) in a few minutes.

a) will be taking off
b) is talking off
c) took off
d) None of these

Direction :- Find the error part in the following sentences.

Q40:- I don't know which I can get out of this mess.

a) I don't know
b) which I can
c) I knew
d) his name

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Direction:- In the following questions, a sentence/part of the sentence has been underlined. Below are give alternatives (a), (b), (c) and (d) which may improve the underlined part. Choose the correct alternative. In case no improvement is needed, your answer is option (d) No improvement.

Q41:- Vijay took disadvantages of the situation and cheated many people in his society.

a) chance
b) advantage
c) courage
d) No improvement

Direction:- Choose the most suitable option in the following sentences.

Q42:- Passive voice of the sentence "Thomas feeds the dog" is

a) The dog was fed by him
b) The dog is fed by him
c) The dog was fed by Thomas.
d) The dog is fed by Thomas.

Direction:- out if the four alternatives, choose the one which can be substituted for the given words.

Q43:- One who hates women

a) philanthropist
b) ascetic
c) misogamist
d) misogynist

Direction:- Rearrange the following words/group of words to make meaningful sentence. Choose the correct sequence given in the options.

Q44:- A major lack (A)/information on (B)/there is (c) this subject (D)

a) B A C D
b) CBAD
c) CABD
d) CDBA

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Direction:- (45- 49) Following passage is followed by five questions. Read passage carefully and answer questions that follows. For each questions four probable answer bearing letters (a), (b), (c) (d) are given. Only one out of these is correct.

Passage-1

It will be a mistake to think that he was given only 'bouquets' he also received many 'brickbats'. The Christian missionaries took alarm at his popularity. They used to raise funds by preaching that India was a land of heathens waiting to be saved by Christianity. The American press now began to say that it was a shame that anybody should try to teach India religion; rather the world should sit at her feet to learn it. Vivekananda also said that, India did not need religion but material support. The missionaries found that the subscriptions they had so long been receiving from the people were steadily declining. They blamed it on Swamiji. They now started denigrating him in all manner of ways. They even began to spread against his personal character. Strangely enough, even some of his own countrymen joined them in this for reasons of their own. But 'Truth alone prevails'; as Swamiji always preached. He did not try to defend himself, but others stood up for him and vehemently protested. Finally, all such mean attempts failed and his reputation only rose higher and higher.

Q45:- The passage teaches us

a) Not to believe in religions other than our own.

b) Not to get involved in scandals

c) Not to visit foreign land

d) Not to deviate from the path of truth.

Q46:- Vivekananda was criticized by missionaries in America because

a) he was a bad student of Western theology

b) he opposed the tenets of Christianity.

c) Americans had become very fond of him

d) he did not allow them to raise funds in India.

Q47:- Swami Vivekananda told the American people that India.

a) did not approve of the Catholic Church

b) Would teach religion to those who sit at her feet.

c) Required religious and material help

d) was self sufficient in religion thought poor.

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Q48:- Vivekanada's rapport with the American people.

a) helped India get substantial aid

b) made his friends desert him

c) annoyed the American government

d) caused a drop in church's collection.

Q49:- Vivekanada did not defend himself because

a) he believed in the ultimate triumph of truth.

b) he was in a foreign land

c) Some of his countrymen were opposing him

d) he had brought many friends along to fight for him.

Q50:- Choose the correct order to make the sentence below meaningful .

Wear / these / people / almost / a / majority / of / days / a watch

1 2 3 4 5 6 7 8 9

a) 4 5 6 7 3 1 9 2 8 b) 4 5 7 6 1 3 8 2 9 c) 4 5 6 7 9 2 3 1 8 d) 4 5 6 7 3 1 2 8 9

Q51:- Mark the word with correct spelling.

a) Maintenance b) Maintennance c) Maintanance d) None of these

Q52:- The speckled tortoise walks steadfastly toward his goal? Choose the adverb)

a) Speckled b) Steadfastly c) Towards d) Goal

Q53:- Gullible (choose the word with opposite meaning)

a) Trusting b) Cynical c) Clever d) Resourceful

Q54:- The synonym of the 'splendid' is

a) shortage b) Insignificant c) Impressive d) Excess

Q55:- Select the word that is opposite in meaning to the underlined word.

Everyone agreed that it was a piece of meticulous research.

a) careless b) carful c) cautious d) scrupulous

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Direction:- (Q.56 – 60) In following passage, there are blanks and each blank has been numbered. These numbers are printed below the passage and against each four words are suggested, one of which fits the blank appropriately. Find out appropriate word in each case

Passage -2

Fire fighters have to take .... **(1)** test to make sure their bodies are strong enough to do all of the work required. They have to be able to carry heavy objects, go up many flights of stairs, and work for a long time. Firefighters also go ...**(2)** frequent training. They need to be aware of the latest techniques in fighting fires, and keeping themselves and others safe. Not only do they ..... **(3)** themselves, but they also talk to other people about fire .....**(4)** some schools have the firefighters come in every year to ___**(5)** kids about how to stay safe around fire.

Q56 :- a) biological
b) laboratory
c) physical
d) mental

Q57 :- a) about
b) through
c) against
d) with

Q58 :- a) Save
b) learn
c) train
d) talk

Q59 :- a) Safety
b) alarm
c) fighters
d) extinguisher

Q60 :- a) train
b) save
c) address
d) teach

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Section - General Science

Q61:- The boy is pulling a cart by a force of 120N. The frictional force experienced by the cart is 30N.The force causing the motion of the cart is

a) 100N b) 130N c) 90 N d) None of these

Q62:- A student is carting out distillation process in a lab, water is boiling in distillation flask. Water that is collected in the receiver flask is refrigerated and ice cubes are formed. Ice cubes are then kept outside the refrigerator and they start melting. Arrange following phases of water in ascending order of their total (PE + KE) energy considering that the mass of water remains the same.

1. water collected in the receiving flask.
2. water boiling in the distillation.
3. steam passing through the delivery tube.
4. Ice cubes formed in the refrigerator.

a) 4, 3, 2, 1 b) 4, 1, 2, 3

c) 3, 4, 2, 1 d) 4, 1, 3, 2

Q63:- When electrodes are immersed in water and electricity is passed, the Bubbles formed on the negative terminal is actually..... gas.

a) Hydrogen b) Carbon dioxide c) Oxygen d) Nitrogen

Q64:- When a Copper vessel is exposed to moist air for long, it acquires a dull green coating. The green material is a mixture of

a) copper oxide and Copper carbonate b) Copper hydroxide and Copper carbonate

c) Copper oxide and Copper nitrate d) Copper hydroxide and Copper nitrate

Q65:- Which of the following groups contains all synthetic substances

a) Nylon, terylene , wool b) PVC, polythene, Bakelite

c) Cotton , polycot, rayon d) None of these

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Q66:- Tungsten (a transition element) being a metal exhibits the following properties

1) It is sonorous
2) It possesses high tensile strength
3) It possesses high melting point
4) It has high density

Which of the above property/properties of Tungsten made it a suitable material for the filament of an electric bulb?

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

Q67:- In the process of vulcanization, Natural rubber is treated with an element X to improve its properties. The element X can be

a) Carbon b) Nitrogen c) Sulphur d) Phosphorus

Q68:- The earth rotates around its axis. The sun appears to rise in the east. Venus rotates in the opposite direction of Earth. We can therefore assume that on Venus , the sun sets in the

a) East b) West c) North d) South

Q69:- Which of the following liquids does not conduct electricity?

1) Lemon Juice
2) Sugar solution
3) Distilled water
4) Dilute Hydrochloric acid

a) 1, 2 & 4 b) only 3 c) only 4 d) 3 & 4

Q70:- The standard value of atmospheric pressure is

a) 78 cm of Hg b) 76mm of Hg c) 45 cm of Hg d) 760 mm of Hg

Q71:- Osmosis is a process in which solvent molecules move across a semi permeable membrane from a less concentrated solution to a more concentrated solution. Can you identify the option that does not belong to this process among the following?

a) The amount of chemicals dissolved in a semi permeable membrane affects the passage of water over it.

b) Organic substances such as proteins and lipids make up membranes.

c) Organic solvent-soluble molecules can easily pass through the membrane.

d) Plants have chitin sugar in their plasma membranes.

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Q72. The following is a list of reproductive words. Select the set with the incorrect combination.

(a) Sperm, testis, sperm duct, and penis

(b) Menstruation, the egg, the oviduct, and the uterus

(c) Sperm, ovary, egg, and uterine

(d) Ovulation, the egg, the oviduct, and the uterus

Q73. Which of the following is the most dangerous to aquatic animals?

a) Heavy metal ions

b) Sodium ions

c) Potassium ions

d) Chloride ions

Q74. The process of reducing the amount of future climate change is known as:

a) Mitigation b) Geo-engineering c) Adaptation d) None of these

Q75. Some microorganism-derived treatments are used to kill or slow the growth of disease-causing germs. These medications are known as.

a) Antibodies b) Antibiotics c) Antiseptics d) All of the above

Q76. Intensive subsistence farming is practised in area of_____.

a) High population b) Low population c) Deserts d) Thick forests

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Q77. Manure is an organic material that is used to provide nutrients to the soil while also improving the physical structure of the soil. The following are some statements about the composition or effects of manure use. Determine which of the following sentences about manure is right.

1. Manure contains large quantities of organic matter and small quantities of nutrients
2. It increases the water holding capacity of sandy soil
3. It helps in draining out the excess of water from clayey soil
4. Its excessive use pollutes the environment because it is made of animal excretory waste

a) 1 & 3 b) 1 & 4 c) 2 & 3 d) 3 & 4

Q78. Plant and animal species that are found only in a specific place are referred to as.

a) Endemic species b) Exotic species c) Local species d) Specific species

Q79. In the Himalayas' upper levels, what kind of vegetation zone can you find?

a) Tropical b) Alpine c) Temperate d) None of these

Q80. Which of the following hormones is referred to in the following information? (i) Hormone-secreting glands are found on top of the kidneys. (ii) Glycogen is converted to glucose. (iii) Causes an increase in blood pressure.

a) Testosterone b) Insulin c) Adrenaline d) Progesterone

Q81. The events that lead to pregnancy and embryo development are listed below.

1. Fertilization of egg
2. Maturation of egg
3. Release of egg
4. Embedding of embryo in thickened uterine wall.

Which of the following alternatives correctly describes the order in which they occur?

a) 1, 2, 3, 4 b) 2, 1, 3, 4 c) 1, 4, 2, 3 d) 2, 3, 1, 4

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Q82. Endocrine glands differ from exocrine glands in that:

a) Endocrine glands are ductless and exocrine glands release secretions at the body's surface or into ducts.

b) Endocrine glands release hormones, whereas exocrine glands release waste.

c) Endocrine glands are formed by epithelial tissue, but exocrine glands are primarily connective tissue.

d) Endocrine glands are all interconnected; whereas exocrine glands act completely independently.

Q. 83 Which of the following statement is wrong?

a) Sound travels in straight line.

b) Sound travels as waves.

c) Sound is a form of energy.

d) Sound travels faster in vacuum than in air

Q. 84 A metal less reactive and another metal more reactive than hydrogen are?

a) aluminium and lead

b) iron and magnesium

c) copper and tin

d) copper and mercury

Q. 85 Which of the following represent the suitable conditions for the liquefaction of gases?

a) Low temperature, low pressure.

b) High temperature, low pressure.

c) Low temperature, high pressure.

d) High temperature, high pressure.

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Section - Social Science/G K

Q86:- Match the following:

List I	List II
A. Atmiya Sabha	I) 1830
B. Brahmo Samaj	II) 1815
c) Young Beglal	III) 1828
d) Dharma Sabha	iv) 1826

Codes

	A	B	C	D
a)	(i)	(ii)	(iii)	(iv)
b)	(iii)	(ii)	(iv)	(i)
c)	(ii)	(iv)	(iii)	(i)
d)	(iv)	(i)	(ii)	(iii)

Q87:- C.Y Mudaliar was the founder of which organization?

a) British Indian Society
b) Madras Native Association
c) Bombay Association
d) Indian Society

Q88:- Which among the following was not an economic cause of the Revolt of 1857?

a) Heavy taxation
b) Break down on major patronage for artisans and handicrafts.
c) Increase availability of market for Indian cotton
d) Increased pressure on agricultural land.

Q89:- After the Revolt of 1857, the British recruited the soldiers from the

a) Brahmins of UP and Bihar
b) Bengalis and Orrias from the East.
c) Gurkhas, Sikhs and Punjabis in the North
d) Madras Presidency and Maratha

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Q90:- Which Motto is inscribed on our national emblems?

a) Jai Jawan Jai Kisan
b) Satyamev Jayate
c) Vasundhaiva Kutumbakam
d) None of the above

Q91:- Which of the following is the largest ocean

a) Pacific
b) Indian
c) Atlantic
d) Arctic

Q92:- What is the difference between the birth rate and death rate of a country is called?

a) Migration
b) Growth rate
c) Natural growth
d) Population increase

Q93:- In which year, TISCO , the first major steel producing company established in India at Jamshedpur?

a) 1906
b) 1908
c) 1909
d) None of these

Q94:- Sericulture is associated with which of the following activity?

a) Agriculture
b) Silk production
c) Bee keeping
d) Milk production

Q95:- Which among the following is an atmospheric disaster?

a) Thunderstorm
b) Drought
c) Tornadoes
d) All of these

Q96:- On the basis of chemical and physical properties, mineral can be divided into following category. Choose appropriate option.

a) Organic and Inorganic
b) Metallic, Non-Metallic and Energy
c) Metallic and Energy
d) None of above

Q97:- On the basis of level of their development and use, resources can be classified into actual and ..... resources.

a) Potential
b) biotic
c) abiotic
d) localized

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Q98:- Totalitarian government system that emphasis nationalism and racism and is led by dictator is called.

a) Capitalism. b) Nationalism. c) Fascism. d) Communism.

Q99:- Who among the following social reformer laid more emphasis on women's education.

a) Zakir hussain. b) Ishwarchandra vidasagar.

c) A.G.Khan. d) Ram Nath shaistri

Q100:- The president governs with the help of a cabinet or a smaller body is called.

a) Kitchen cabinet b) Garden cabinet. c) Hostel cabinet. d) Theatre cabinet

Q.101:- According to the sustainable development Goals13 the biggest threat towards development is.

a) Pollution b) Melting polar ice. c) Climate change. d) Population growth.

Q102:- Who among the following sons of Bahadur shah-I pursued pacifist policy and was therefore called shah-I–Bekhabar.

a) Muazzam. b) Azam. c) KamBakhish. d) Farruh khan.

Q103:-Muhammad bin tughlaq is also known as.

a) Khan shah. b) Sikandar-i- sani. c) Kayumaes. d) Junna khan.

Q104:- National voter's day is celebrated on.

a) 25 January b) 26. January c) 15 August d) 16 August

Q105:- Election Commission of India comprises one chief election commissioner and

a) Three other commissioners b) Two other commissioners

c) One other commissioner. d) Four other commissioners

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Q106:- Which of the following tire of panchayat works as executive body of Panchayats.

a) Zila parishad b) Panchayat samiti c) Gram sabha d) Gram adalat.

Q107:- Which of the following rainfall occurs due to the upward movement of air

a) Conventional rainfall b) cooling rainfall

c) Frontal rainfall d) Orographic rain fall.

Q108:- Evergreen forests are also known as

a) Equatorial moist forest b) Alpine forests.

c) Mangrove forests d) None of the above

Q109:- The treatment of person , group as insignificant of peripheral is known as

a) Medicalization b) Marginalization

c) Indiscrimination d) Subordination

Q110:- Which of the following wildlife sanctuary is the oldest wildlife Sanctuary in India.

a) Jim Corbett b) Salim Ali c) Priyar d) Hemis

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Section - Intelligence / Reasoning

Direction: In each of the following question select the related later/number from the given alternatives.

Q111:- MAT: NCW : : APE: ?

a) CRH b) BRH c) BSG d) BSH

Direction:- In each of the following question, there out of four alternatives are same in some way and so form a group. Find the odd one that does not belong to the group.

Q112:- a) DHF b) KOM c) RVT d) WYX

Direction:- What shout come in place of question mark (?) in the following series.

Q113:- DKY, FJW , HIU, JHS, ?

a) LQF b) LGQ c) KGR d) KFR

Q114:- P3C, R5F, T8I, V12L ?

a) X160 b) Y170 c) X17M d) X17O

Q115:- IF MADRAS is coded as 517916 and TENANT is coded as 432124, then how would you encode RMATSN?

a) 851353 b) 951363 c) 951462 d) 941562

Direction:- In the following question arrange the given words as per order in the dictionary.

Q116:- i) Ambitious ii) Ambiguous iii) Ambiguity iv) Animation v) Animals

a) 3, 2, 4, 1, 5 b) 3, 2, 5, 4, 1 c) 3, 2, 1, 5, 4 d) 3, 2, 4 ,5, 1

Q118:- If 'Q' denotes addition, J denotes multiplication, T denotes subtraction and K denotes division, then

30 K 2 Q 3 J 6 T 5 = ?

a) 18 b) 28 c) 31 d) 6

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Direction:- In the following question choose one word which can be formed from the letters of the given word using each letter only once.

Q119: a) PRAGMATIC

a) GMAE b) MAGIC c) AGMARK d) GUITAR

Q120:- Q is the son of P. X is the daughter of Q. R is the aunt (bua) of X and L is the son of R, then what is L's relation with P?

a) Grandson b) Granddaughter c) Daughter d) Nephew

Q121:- Aseem leaves his house at 20 min to 7 in the morning reaching Kaushai's house in 25 min, they finish their breakfast in another 15 min and leave for their office which takes another 35 min. At what time do they leave Kausal's house to reach their office?

a) 7: 55am b) 8: 15am c) 7: 45am d) 7 : 20am

Direction:- In the following question a set of figures carrying certain characters is given. Assuming that the characters in each set follow a similar pattern, find the missing character in each case.

Q122:

7	9	8
8	7	13
3	6	?
168	378	728

a) 4 b) 5 c) 8 d) 10

Q123:- If PALE is coded as 2134, EARTH is coded as 41590, the how is PEARL coded as?

a) 29530 b) 24153 c) 25413 d) 25430

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Q. 124

Directions :- In the following question select the right option which indicates the correct code for the word or letter given in the question

If CRUDE is written as BSTED, then MOIST will be coded as

a) NNJRU b) LNHRS c) NPJTU d) LPHTS

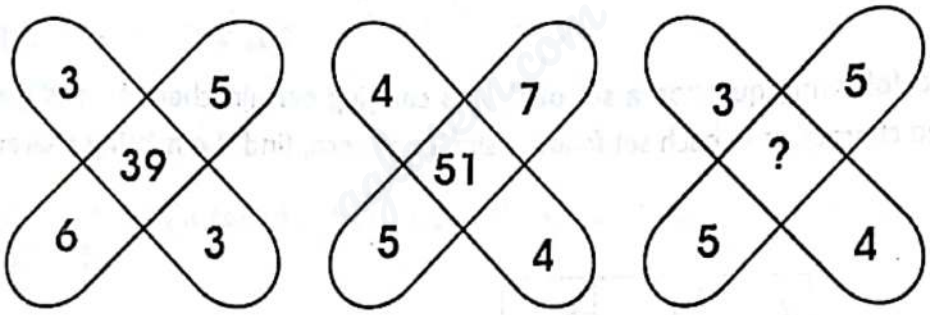
Q. 125

A policeman left his police post and proceeded south 4 km, after hearing a loud sound from point A. On reaching the place he heard another sound and proceeded 4 km to his left to the point B, only to find that the sound was coming from left of B. From B he proceeded left to reach that place 4 km away. In which direction he has to go to reach his police post?

a) North b) South c) East d) West

Q. 126

Direction : In each question given below which one number can be placed at the sign of interrogation?



a) 35 b) 37 c) 45 d) 48

Directions:- In the following question keenly study the relationship mentioned between the persons, and then from the given options select the right relationship as the answer.

Q. 127 Pointing to a woman in the photograph a man said, "She is the daughter of my grandmother's only son. How is the woman related to the man?

a) Mother b) Daughter c) Sister-in-law d) Sister

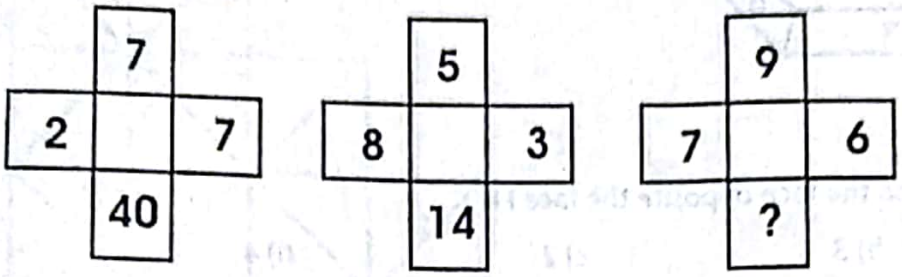
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Q. 128 Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q how many boys are there in the row?

a) 19 b) 21 c) 25 d) 23

Q.129

Directions:- In the question given below which one number can be placed at the sign of interrogation?



a) 72 b) 68 c) 82 d) 96

Q. 130 If in the word "DISTURBANCE", the first letter is interchanged with the last letter, the second letter is interchanged with the tenth letter and so on, which letter would come after the letter "I" in the newly formed word?

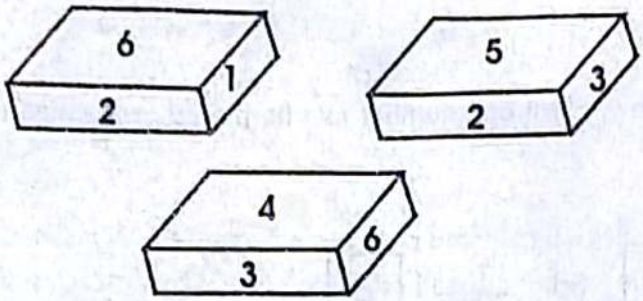
a) I b) U c) N d) S

Q. 131 A cube is coloured with different colours on each side. Red is at the base and white at the top. The colours green, yellow, blue and purple respectively are painted on the four sides of the cube, in the clockwise direction. When the yellow side is changed as the base of the cube, which colour will be on the top?

a) blue b) green c) purple d) red

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Directions:- (Q. 132 to Q. 134) These question are based on the following figures which depict three views of the same cube:



Q. 132 The number on the face opposite the face I is :

a) 5 b) 3 c) 2 d) 4

Q. 133 The numbers on the faces neighbouring the face marked 5 is

a) 1,2,3,4 b) 2,3,4,6 c) 1, 2, 4,5 d) 1,3,4,6

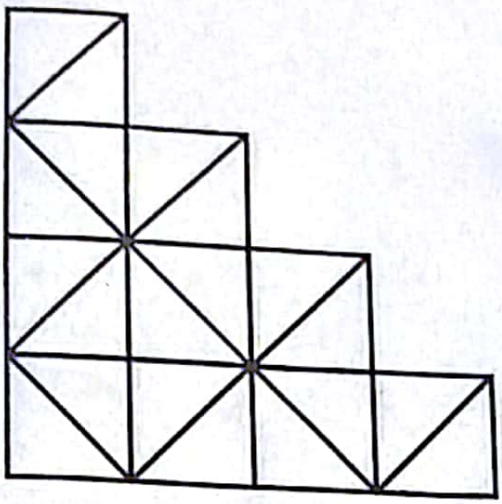
Q. 134 Which of the following pairs does not correctly give the members on the opposite faces

a) 6-5 b) 4-1 c) 1-3 d) 4-2

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Q. 135

Find the number of squares in the figure given below?



a) 14 b) 13 c) 12 d) 11

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