

FINAL ANSWER KEY

Question Paper Code:	31/2016/OL
Category Code:	370/2015
Exam:	Welfare Organiser
Medium of Question:	English
Date of Test	10-03-2016
Alphacode	A

Question1:-Which of the following is a scalar quantity ?

- A:-force
- B:-work
- C:-acceleration
- D:-velocity

Correct Answer:- Option-B

Question2:-The colour in the outer arc of a primary rainbow is

- A:-violet
- B:-blue
- C:-green
- D:-red

Correct Answer:- Option-D

Question3:-SI unit of electric current is

- A:-newton
- B:-pascal
- C:-ampere
- D:-volt

Correct Answer:- Option-C

Question4:-According to Ohm's law, the relation between resistance (R), current (I) and potential difference (V) is

- A:- $R = V/I$
- B:- $R = VI$
- C:- $R = I/V$
- D:-none of these

Correct Answer:- Option-A

Question5:-The statement of Newton's second law is

- A:-For every action there is equal and opposite reaction
- B:-The rate of change of momentum of a body is directly proportional to the external force acting on it.
- C:-Everybody continues the state of rest or uniform motion in the absence of force.
- D:-Everybody in the universe attract all other bodies with a force which is directly proportional to their masses and inversely proportional to the square of the distance between them

Correct Answer:- Option-B

Question6:-Which of the following device is used to reduce electric current in an **a c circuit** without reduction in power

- A:-capacitor
- B:-resistor
- C:-inductor
- D:-a c generator

Correct Answer:- Option-C

Question7:-If a radioactive nucleus emits an alpha particle,

- A:-its atomic number increases by one and mass number decreases by One.
- B:-its atomic number increases by one and mass number remains the same
- C:-its atomic number decreases by two and mass number decreases by four
- D:-its atomic number decreases by four and mass number decreases by two

Correct Answer:- Option-C

Question8:-The reason for the blue colour of the ocean is

- A:-scattering
- B:-interference
- C:-reflection
- D:-diffraction

Correct Answer:- Option-A

Question9:-Which of the following can be used to make rectifier

A:-p n p transistor

B:-n p n transistor

C:-resistor

D:-p n junction diode

Correct Answer:- Option-D

Question10:-The focal length of a convex lens is 25 cm. Then its power is

A:-4D

B:-3D

C:-2D

D:-1D

Correct Answer:- Option-A

Question11:-The chemical formula of smelling salt is

A:-Sodium carbonate

B:-Ammonium carbonate

C:-Ammonium bicarbonate

D:-Sodium bicarbonate

Correct Answer:- Option-B

Question12:-Which of the following element is most electronegative

A:-Oxygen

B:-Chlorine

C:-Fluorine

D:-Nitrogen

Correct Answer:- Option-C

Question13:-The size of weather balloon becomes larger and larger as it ascends up into higher altitude Which gas law is applicable here

A:-Boyle's Law

B:-Charles Law

C:-Avogadro Law

D:-Gay Lussac's Law

Correct Answer:- Option-A

Question14:-Which one of the following subshell is not possible

A:-4d

B:-5s

C:-3f

D:-2p

Correct Answer:- Option-C

Question15:-Bauxite is the ore of

A:-Copper

B:-Zinc

C:-Iron

D:-Aluminium

Correct Answer:- Option-D

Question16:-The gas liberate when Hydrochloric Acid react with water

A:-Oxygen

B:-Hydrogen

C:-Nitrogen

D:-Chlorine

Correct Answer:- Option-B

Question17:-The pH of pure water

A:-4

B:-9

C:-7

D:-0

Correct Answer:- Option-C

Question18:-The oxidation number of sulphur in sulphuric acid is

A:-4

B:-2

C:-8

D:-6

Correct Answer:- Option-D

Question19:-What is meant by MSG

A:-Mono Sodium Glutamate

B:-Meta Sodium Glucose

C:-Mono Sodium Glucose

D:-Meta Sodium Glutamate

Correct Answer:- Option-A

Question20:-Organic compounds contain triple bonds between carbon atoms are called

A:-Alkene

B:-Alkyne

C:-Alkane

D:-Benzen

Correct Answer:- Option-B

Question21:-The geographical land galapagos is connected with which of the following scientist

A:-Gregor Johann Mendel

B:-Charles Darwin

C:-Carolus Linnaeus

D:-Lamark

Correct Answer:- Option-B

Question22:-The cell organell concerned with protein synthesis is

A:-Ribosome

B:-Lysosome

C:-Golgi body

D:-plasma membrane

Correct Answer:- Option-A

Question23:-The hormone that enable plants to bent towards the source of light is

A:-Cytokinin

B:-Auxin

C:-Ethylene

D:-Abscissic acid

Correct Answer:- Option-B

Question24:-The Fluid mosaic model on the structure of plasma membrane was given by

A:-Camillo Golgi

B:-Gregor Johann mendel

C:-Watson and Crick

D:-singer and Nicolson

Correct Answer:- Option-D

Question25:-The crossing over during meiosis occur during which phase

A:-Leptotene

B:-Anaphase

C:-Pachytene

D:-Zygotene

Correct Answer:- Option-C

Question26:-The Five kingdom classification on living organisms was proposed by

A:-R H Whittaker

B:-Carolus Linnaeus

C:-Aristotle

D:-Theophrastus

Correct Answer:- Option-A

Question27:-The proteinacious pigment that enable plants to light sensitive process like flowering and seed germination

A:-Chlorophyll

B:-Melanin

C:-Phytochrome

D:-carotenoid

Correct Answer:- Option-C

Question28:-The ozone umbrella is located on which layer of earth atmosphere

A:-Troposphere

B:-Stratosphere

C:-Ionosphere

D:-Biosphere

Correct Answer:- Option-B

Question29:-The father of Green revolution in India is

A:-J C Bose

B:-Norman E Borlaug

C:-Dr M S Swamynathan

D:-Dr Varghese kurian

Correct Answer:- Option-C

Question30:-The reticulate venation in leaf is an identifying feature of which of the following plant group

A:-Mosses

B:-Monocotyledons

C:-Pteridophytes

D:-Dicotyledons

Correct Answer:- Option-D

Question31:-Nervous tissue is made up of _____

A:-nerves

B:-neurons

C:-myofibrils

D:-myosins

Correct Answer:- Option-B

Question32:-Name the pigment present in the cone cells of eye.

A:-Iodopsin

B:-Photopsin

C:-Rhodopsin

D:-Thyropsin

Correct Answer:- Option-A

Question33:-Name the male sex hormone in human beings.

A:-Adrenaline

B:-Insulin

C:-Estrogen

D:-Testosterone

Correct Answer:- Option-D

Question34:-Which is the most common test for identifying the presence of sugar in urine sample

A:-Biuret test

B:-Benedict's test

C:-Nitric acid test

D:-Vidal test

Correct Answer:- Option-B

Question35:-Which are the structural and functional units of human kidney

A:-Neurons

B:-Dendrons

C:-Axons

D:-Nephrons

Correct Answer:- Option-D

Question36:-Name a disease which is spreading by direct contact

A:-Anaemia

B:-AIDS

C:-Ringworm

D:-Haemophilia

Correct Answer:- Option-C

Question37:-Name the ion which is very essential for blood clotting.

A:-K

B:-Na

C:-Ca

D:-Cl

Correct Answer:- Option-C

Question38:-Who is considered as the father of Genetics?

A:-Gregor Mendel

B:-Charles Darwin

C:-Hugo de Vries

D:-Tchermack

Correct Answer:- Option-A

Question39:-Which is the natural coating of our teeth surface?

A:-Dentine

B:-Enamel

C:-Pulp

D:-Gum

Correct Answer:- Option-B

Question40:-Name the membranes which cover and protect our lungs.

A:-Meninges

B:-Pericardium

C:-Skin

D:-Pleura

Correct Answer:- Option-D

Question41:-Identify the next number in the series

1,5,10,16,23,31,... ..

A:-38

B:-50

C:-39

D:-40

Correct Answer:- Option-D

Question42:-Identify the missing term

KPA, ..., MRC, NSD, OTE

A:-LOB

B:-LQB

C:-LQC

D:-CUB

Correct Answer:- Option-B

Question43:-Which of the following is not a leap year?

A:-1600

B:-1200

C:-2000

D:-1800

Correct Answer:- Option-D

Question44:-How many times the hands of a clock will be in vertically opposite directions from 10 a.m to 10 p.m?

A:-24 times

B:-10 times

C:-12 times

D:-36 times

Correct Answer:- Option-C

Question45:-If the following series is written in the reverse order then which will be the 6th letter to the right of the 5th letter from your left?

ABCDEFGHIJKLMNOPQRSTUVWXYZ

A:-Q

B:-O

C:-N

D:-P

Correct Answer:- Option-D

Question46:-If EGKPT is coded as 15789 and ALUR is coded as 2346. How is ALGUT coded?

A:-23549

B:-23540

C:-23458

D:-23550

Correct Answer:- Option-A

Question47:-'Ancient' is related to 'Modern' in the same way 'Often' is related to

A:-Frequent

B:-Always

C:-Seldom

D:-Never

Correct Answer:- Option-C

Question48:-If $53^{\circ} - 31 = 2$, $45^{\circ} - 27 = 1$, $69^{\circ} - 32 = 3$ then $97^{\circ} - 26 = ?$

- A:-1
- B:-2
- C:-3
- D:-4

Correct Answer:- Option-B

Question49:-Identify the odd man out

- A:-JULY
- B:-APRIL
- C:-JUNE
- D:-SEPTEMBER

Correct Answer:- Option-A

Question50:-A and B started from a fixed place. A moves 4 km to the North and turns right, then walks 6 km. B moves towards West and walks 6 km then turns to right and walks 4 km. How far A is from B?

- A:-18 km
- B:-20 km
- C:-12 km
- D:-16 km

Correct Answer:- Option-C

Question51:-Ratio of number of male and female workers in a factory is 5:2. If there are 115 male workers. Find the number of female workers.

- A:-44
- B:-46
- C:-48
- D:-47

Correct Answer:- Option-B

Question52:-50 men can complete a piece of work in 30 days. Five men fell ill before the work was started and they never rejoined. Find the number of days in which remaining men can complete the work.

- A:-40
- B:-50
- C:-60
- D:-70

Correct Answer:-**Question Cancelled**

Question53:-Speed of A is three times of B and speed of B is double of C. If C covers a distance in 24 minutes then find the time taken by A to travel the same distance.

- A:-4 minutes
- B:-6 minutes
- C:-8 minutes
- D:-2 minutes

Correct Answer:- Option-A

Question54:-A train is running at 36 km/hr. If it crosses a tree in 25 seconds, find its length.

- A:-250 metres
- B:-200 metres
- C:-260 metres
- D:-240 metres

Correct Answer:- Option-A

Question55:-The average age of 20 children in a class is 9 years. If the teachers age is included, the average age becomes 10 years. Find the teachers age.

- A:-40
- B:-20
- C:-30
- D:-50

Correct Answer:- Option-C

Question56:-The sum of money that will give Rs.1 as interest per day at 5% per annum simple interest is:

- A:-Rs 3650
- B:-Rs 6400
- C:-Rs 8200
- D:-Rs 7300

Correct Answer:- Option-D

Question57:-The loss incurred on selling an article for Rs. 360 is as much as the profit made after selling it at 10% profit. The cost price of the article is:

- A:-460
- B:-450
- C:-420
- D:-400

Correct Answer:- Option-D

Question58:-Which of the following fractions is the greatest?

- A:- $\frac{7}{8}$
- B:- $\frac{6}{7}$
- C:- $\frac{4}{5}$
- D:- $\frac{5}{6}$

Correct Answer:- Option-A

Question59:-The L.C.M of two numbers is 2310 and their H.C.F is 30. If one number is 330, the other is:

- A:-161
- B:-220
- C:-210
- D:-147

Correct Answer:- Option-C

Question60:-If the length of diagonal of a square is 12 cm the side of the square is:

- A:- $6\sqrt{3}$
- B:- $6\sqrt{2}$
- C:- $2\sqrt{6}$
- D:- $3\sqrt{6}$

Correct Answer:- Option-B

Question61:-Which of the words given below can be used as suffix to form a compound word, Tear.....

- A:-heart
- B:-side
- C:-hand
- D:-filled

Correct Answer:- Option-D

Question62:-Who is creating this mess? Change the sentence into passive voice.

- A:-This mess is being created by whom
- B:-By whom is this mess being created.
- C:-By whom mess is being created.
- D:-By who this mess is being created

Correct Answer:- Option-B

Question63:-Fill in the blanks with suitable tenses.

When we reached the theatre, the film----- (start)

- A:-Started
- B:-Had Started
- C:-Have started
- D:-Has started

Correct Answer:- Option-B

Question64:-Identify the antonym of capitalised word.

Unsettled conditions of the land led to the EXODUS of hundreds of its citizens.

- A:-Expulsion
- B:-Immigration
- C:-Invasion
- D:-Entry

Correct Answer:- Option-D

Question65:-What does the Latin word ad lib means?

- A:-Extempore
- B:-Planned
- C:-Consistence
- D:-Concerned

Correct Answer:- Option-A

Question66:-Question tag

Let's meet him,.....?

- A:-Shall we
- B:-Will we
- C:-Don't we
- D:-Do we

Correct Answer:- Option-A

Question67:-Fill in the blanks with suitable word.

Each of the players ----- given a prize.

- A:-Were
- B:-Was
- C:-Has
- D:-Have

Correct Answer:- Option-B

Question68:-Find the correctly spelled word.

- A:-Bouquette
- B:-Bouquete
- C:-Bouquet
- D:-Bouquett

Correct Answer:- Option-C

Question69:-Use the correct form of the word given in bracket.

Sita is the (old) girl in the family.

- A:-Eldest
- B:-Older
- C:-Oldest
- D:-Elder

Correct Answer:- Option-A

Question70:-Use suitable article

The cloth is sold by ----- meter.

- A:-A
- B:-An
- C:-The
- D:-None of the above

Correct Answer:- Option-C

Question71:-Identify the synonym of the capitalised word.

The problem is TEDIOUS to tackle.

- A:-Easy
- B:-Difficult
- C:-Troublesome
- D:-Tiring

Correct Answer:- Option-D

Question72:-Use the suitable adverb form.

She is ----- dressed.(pretty)

- A:-Pretty
- B:-Prettier
- C:-Prettily
- D:-Prettyfully

Correct Answer:- Option-C

Question73:-Fill in the blanks with suitable prepositions.

Take your hands-----my books

- A:-Off
- B:-From
- C:-On
- D:-Away

Correct Answer:- Option-A

Question74:-Replace the capitalised word with the right phrase given below.

Gardening and beekeeping OCCUPY a lot of my time.

A:-Turn up

B:-Give up

C:-Look up

D:-Take up

Correct Answer:- Option-D

Question75:-Correct the sentence.

The mother lifted the child by his hands.

A:-The mother lifted the child by hand.

B:-The mother lifted the child by its hand.

C:-The mother lifted the child by the hand.

D:-The mother lifts the child by his hand.

Correct Answer:- Option-B

Question76:-Change the sentence into indirect speech.

He said to his father , "Please increase my pocket money."

A:-He requested his father to increase his pocket money.

B:-He said to his father to increase his pocket money.

C:-He asked his father to increase his pocket money.

D:-He asked his father to please increase his pocket money.

Correct Answer:- Option-A

Question77:-Combine the sentence using 'ing' form.

Leena is a good teacher.All respect her.

A:-All respecting Leena as a good teacher.

B:-Being a good teacher Leena is respected.

C:-Leena is being respected as a good teacher.

D:-None of the above.

Correct Answer:- Option-B

Question78:-Choose the correct meaning of the idiom.

To end in smoke.

A:-To make completely understand

B:-To excite great applause.

C:-To overcome someone.

D:-To ruin oneself.

Correct Answer:- Option-D

Question79:-Fill in the blanks with suitable word given below.

Power shortage was ----- by drought conditions.

A:-Exaggerated

B:-Extended

C:-Exacerbated

D:-Excruciated

Correct Answer:- Option-C

Question80:-Replace the underlined words with single word.

The civil war caused absence of government in the country.

A:-Monarchy

B:-Hierarchy

C:-Anarchy

D:-Autocracy

Correct Answer:- Option-C

Question81:-The Indian state that does not share boundary with Nepal.?

A:-Uttarakhand

B:-Uttar Pradesh

C:-Assam

D:-Sikkim

Correct Answer:- Option-C

Question82:-The number of districts in Telangana.?

A:-08

B:-09

C:-11

D:-10

Correct Answer:- Option-D

Question83:-Hirakud Dam is built across the River..... ?

A:-Mahanadi

B:-Yamuna

C:-Godavari

D:-Ganga

Correct Answer:- Option-A

Question84:-Who is the union minister of state for Environment & forest ?

A:-Manohar Parikkar

B:-Prakash Javadekar

C:-Abhishek Singhvi

D:-Menaka Gandhi

Correct Answer:- Option-B

Question85:-Which among the following is a National Park in Jammu & Kashmir ?

A:-Dachigam National Park

B:-Manas National Park

C:-Kanha National Park

D:-Rajai National Park

Correct Answer:- Option-A

Question86:-Who among the following was not hanged in the famous Kakori conspiracy case ?

A:-Ramaprasad Bismil

B:-Roshan Singh

C:-Ashfaqulla Khan

D:-Surya Sen

Correct Answer:- Option-D

Question87:-**Khudai khidmatgars**, a band of non-violent revolutionaries was associated with

A:-C Rajagopalachari

B:-Khan Abdul Gaffer Khan

C:-Chitharanjan Das

D:-Sardar Vallabhai Patel

Correct Answer:- Option-B

Question88:-Who among the following was elected as the President of Indian National Congress in 1938 ?

A:-Jawaharlal Nehru

B:-Subhash Chandra Bose

C:-Rajendra Prasad

D:-V D Savarkar

Correct Answer:- Option-B

Question89:-The National Song **Vande Mataram** was composed in which language ?

A:-Marati

B:-Bengali

C:-Sanskrit

D:-Hindi

Correct Answer:- Option-C

Question90:-In 1934, Congress Socialist Party was formed at ?

A:-Lucknow

B:-Calcutta

C:-Kanpur

D:-Bombay

Correct Answer:- Option-D

Question91:-Vaikkam Satyagraha was started in the year ?

A:-1925

B:-1922

C:-1923

D:-1924

Correct Answer:- Option-D

Question92:-Sahodara Sangham was founded at ?

A:-Cherai

B:-Thrissur

C:-Kottayam

D:-Kodungallur

Correct Answer:- Option-A

Question93:-Abhinava Keralam was a Journal of

A:-Ayyanthan Gopalan

B:-Vagbhatananda

C:-Ananda Thirtha

D:-T K Madhavan

Correct Answer:- Option-B

Question94:-The place where Narayana Guru consecrated a mirror representing the fact that God is present in the self ?

A:-Karamukku

B:-Murukkam Puzha

C:-Kalavancode

D:-Aruvipuram

Correct Answer:- Option-C

Question95:-Which one of the following is not a work of Chattampi Swamikal ?

A:-Vivekodayam

B:-Prachina Malayalam

C:-Vedadhikara Nirupanam

D:-Adwaita Chintha Padhathi

Correct Answer:- Option-A

Question96:-The ancient city of Palmyra belongs to

A:-Iraq

B:-Syria

C:-Iran

D:-Afganistan

Correct Answer:- Option-B

Question97:-Who is the author of the novel, The Tin Drum ?

A:-T S Eliot

B:-Salman Rushdie

C:-Gunter Grass

D:-Gabriel Garcia Marquez

Correct Answer:- Option-C

Question98:-The venue of the 2015 summit of The Americas in which both the Presidents of the U S A & Cuba made a formal dialogue ?

A:-Washington

B:-New York

C:-Florida

D:-Panama City

Correct Answer:- Option-D

Question99:-Who was the partner of Sania Mirza in the 2015 Wimbledon women's doubles Tennis tournament ?

A:-Martina Hingis

B:-Maria Sharapova

C:-Elena Vesnina

D:-Raquel Kops

Correct Answer:- Option-A

Question100:-International Day of Yoga was observed on ?

A:-20 June 2015

B:-18 June 2015

C:-21 June 2015

D:-19 June 2015

Correct Answer:- Option-C