

महाराष्ट्र शासन – जलसंपदा विभाग
 पुणे प्रादेशिक निवड समिती, पुणे
 गट-क मधील सरळसेवा भरती परीक्षा सन 2011

प्रश्नपत्रिकेचा कोड

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कनिष्ठ वैज्ञानिक सहाय्यक पदासाठी प्रश्नपत्रिका.

आसन क्रमांक

दिनांक : 26/02/2012

वेळ : 11.00 ते 13.00

एकूण गुण : 180

- सूचना : (१) सर्व प्रश्न सोडविणे अनिवार्य आहे.
 (२) विशिष्ट क्रमांक छापलेली उत्तरपत्रिका स्वतंत्रपणे पुरविण्यात येईल.
 (३) सर्व प्रश्नांना प्रत्येकी 2 गुण आहेत.
 (४) प्रश्नपत्रिकेतील सर्व अंक इंग्रजीमध्ये आहेत.

लेखी परीक्षा

- प्रश्न क्र. 1 : पुढील पर्यायातील चुकीची जोडी कोणती ?
 (A) एस. एम्. जोशी - लोकमित्र (B) डॉ. नानासाहेब परुळेकर -
 सकाळ
 (C) आचार्य विनोबा भावे - (D) सी. डी. देशमुख - सृष्टीदर्पण
 महाराष्ट्र धर्म
- प्रश्न क्र. 2 : ‘जवाहर रोजगार योजने’ चा प्रमुख उद्देश म्हणजे ?
 (A) शहरी भागातील कुशल (B) ग्रामीण भागातील कुशल
 कामगारांना रोजगाराची उपलब्धता.
 (C) ग्रामीण भागातील अकुशल (D) शहरी भागातील अकुशल
 कामगारांना रोजगाराची उपलब्धता.
- प्रश्न क्र. 3 : खालीलपैकी कोणाशी महात्मा गांधीनी ‘पुणे करार’ केला ?
 (A) रॅम्से मॅकडोनाल्ड (B) बॅ. महमदअली जीना
 (C) डॉ. बी. आर. आंबेडकर (D) वि. दा. सावरकर
- प्रश्न क्र. 4 : महाराष्ट्रात पंचायत राज व्यवस्था.....पासून अंमलात आली.
 (A) 1 मे 1960 (B) 1 मे 1961
 (C) 1 मे 1962 (D) 1 मे 1963

- प्रश्न क्र.26 : दिलेल्या संधी विग्रहाची योग्य संधी निवडा. - 'सत् + मान' '
 (A) सन्मान (B) सम्मान
 (C) सत्यमान (D) सत्त्वमान

प्रश्न क्र.27 : खालीलपैकी अयोग्य जोडी कोणती ते अचूक ओळखा.
 (A) सहोदर - एकाच आईच्या (B) सनातनी - जुन्या रुढी व
 पोटी ज्यांचा जन्म झाला चालीरीती यांना अनुसरून
 आहे असे. वागणारा.
 (C) निरक्षर - ज्याला लिहिता व (D) शेजारधर्म - शेजान्यांशी वाईट
 वाचता मुळी येत नाही त-हेने वागण्याची पद्धत.
 असा.

प्रश्न क्र.28 : 'पन्नास' या शब्दाची जात ओळखा.
 (A) सर्वनाम (B) विशेषण
 (C) क्रियापद (D) क्रियाविशेषण

प्रश्न क्र.29 : 'नाशिकं' या शब्दासाठी विरुद्धार्थी शब्दाची योजना करा.
 (A) क्षणिक (B) जातीकं
 (C) दीर्घायुषी (D) अविनाशी

प्रश्न क्र.30 : 'परवानगीशिवाय आत येऊ नये' या वाक्याचे संयुक्त वाक्य करा.
 (A) परवानगीशिवाय आत का (B) परवानगी घ्या आणि आत या.
 आलात ?
 (C) आत येण्यापूर्वी परवानगी (D) जर आत यायचे असेल तर
 घ्यावी. परवानगी घ्या.

प्रश्न क्र.31 : पुढील पर्यायामध्ये तीन वाक्यांचा एक गट आहे. त्यातील गटात न बसणारे
 वाक्य कोणते ?
 (A) बाळूने केळ खाल्ले. (B) बाळूकडून केळ खाल्ले गेले.
 (C) बाळूकडून केळ खाण्यात (D) बाळू केळ खातो.
 आले.

प्रश्न क्र.32 : 'आवाक्याबाहेरची गोष्ट करू पाहणे' या अर्थाचा खालीलपैकी वाक्यप्रचार
 कोणता ?
 (A) आकाश फाटणे (B) असमान ठेंगणे होणे
 (C) आभाळ कोसळणे (D) आकाशाला गवसणी घालणे

प्रश्न क्र.33 : वाक्याचा प्रकार ओळखा.
 काल फार पाऊस पडला.
 (A) विधानार्थी- होकारार्थी (B) नकारार्थी
 (C) उद्गारवाचक (D) प्रश्नार्थक

प्रश्न क्र.34 : पुढील म्हण पूर्ण करा.

खाई त्याला

प्रश्न क्र.35 : 'घरोघरी मातीच्या चूली' या म्हणीचा अर्थ खालील पर्यायातनु स्पष्ट करा.

- (A) प्रत्येक घरात चूल असतेच. (B) मातीच्या चुली करण्याची पद्धत घरोघरी आहे.
(C) मातीपासून चूली बनतात. (D) सर्वत्र सारखीच परिस्थिती असते.

प्रश्न क्र.36 : 'आधनिक' या मराठी शब्दासाठी इंग्रजी प्रतिशब्द कोणता ?

प्रश्न क्र.37 : विधानार्थी वाक्याच्या शेवटी कोणते विरामचिन्ह येते ?

प्रश्न क्र.38 : वयोमानानुसार सर्व इच्छा आकंक्षांचा त्याग करणे हे योग्य ठरते, या वाक्यातील अधेरेखित शब्दांसाठी एक शब्द निवडा.

- (A) इच्छामुक्त (B) निरिच्छ
 (C) आसक्त (D) आधाशी

Q. No. 39 : Which of the following is grammatically correct sentence?

- (A) He is a boy of ten. (B) He is a boy of ten
 years.
(C) He is a boy of ten years old. (D) He is a boy of ten years boy.

Q. No. 40 : "I am fed up with your promises," said the landlord to the tenant.

By this he meant that....

- (A) he was happy with the tenant's promises.
(B) he was bored with the tenant's promises.
(C) he enjoyed the tenant's food.
(D) he invited the tenant for meals.

Q. No. 41 : Pick out the wrong matching from the following:

- (A) Bungalow =
 Bungalows
 (C) Hope= Hopes

(B) Brother-in-law=
 Brother-in-laws
 (D) Joke= Jokes

Q. No. 42 : Complete the sentence by arranging parts in correct sequence.

They learnt that...

Parts: a- a piano

b- by a lady

c-with carved legs

d- was offered for sale.

Q. No. 43 : The expression ‘to read between the lines’ means....

- (A) to fail to know the real meaning.
(B) to search for the meaning.
(C) to be uncertain about the meaning.
(D) to find more meaning than the words express.

Q. No. 44 : Choose the correct tense form of the verb in bracket for completing the sentence.

'When we.... (have) lunch, we will go for a walk'

Q. No. 45 : Fill in the blank to arrive at the correct phrase.

"I.... my question paper very carefully"

Q. No. 46 : " You shall have a holiday tomorrow"

The modal auxiliary in the above sentence expresses...

Q. No. 47 : Choose the correct word to complete the following sentence meaningfully-

Sachin Tendulkar is an..... cricket-player of India.

Q. No. 48 : Identify the type of phrase underlined from the choices given in the following example:

Without doubt, the play has been tremendously
successful.

- (A) Adverb phrase (B) Adjective phrase
(C) Noun phrase (D) Genitive phrase

Q. No. 49 : Change into Indirect speech.

'Sit down boys' said the teacher.

- (A) Teacher ordered the boys not to stand up. (B) Teacher asked the boys to sit down.
(C) Teacher informed the boys to sit down. (D) The teacher told the boys to sit down

Q. No. 50 : Give the meaning of the phrase- To Grease the palm.

- (A) To use grease no palm (B) Stick grease to a palm
(C) To bribe (D) Not to listen to the higher authority

व्यावसायिक परीक्षा

Q. No. 51 : Which chemical amendment is used for improving acidic soil ?

- (A) Lime (B) Gypsum
(C) Iron pyrite (D) None of the above

Q. No. 52 : Which instrument is used to determine the potassium and sodium?

- (A) Spectrophotometer (B) Flame photometer
(C) UV –Spectrophotometer (D) Absorption Spectrophotometer

Q. No. 53 : Which of the following types of soil are found more in India?

- (A) Black soil (B) Red Soil
(C) Laternite soil (D) Alluvial Soil

Q. No. 54 : The capacity of soil being molded in to any desired shape is known as

- (A) Conesicity (B) Tenacity
(C) Elasticity (D) Plasticity

Q. No. 55 : The relative ease of movement of water within the soil is called

- (A) Infiltration (B) Permeability
(C) Drainage (D) Hydraulic conductivity

Q. No. 56 : Redish colour of laetrite soil is because of

- (A) Oxide of manganese (B) Organic matter
(C) Iron oxide (D) Humus

Q. No. 57 : Which law is used in soil texture determination ?

- (A) Fick's law (B) Stoke's law
(C) Darcy's Law (D) Vender – Woal's law

Q. No. 58 : The carbon nitrogen ratio of normal soil is

- (A) 18 : 1 to 20 : 1 (B) 20 : 1 to 25 : 1
(C) 10 : 1 to 12 : 1 (D) 15 : 1 to 20:1

- Q. No. 59 : Soil alkalinity is decreased by using
(A) Gypsum (B) Lime
(C) Calcium Hydroxide (D) Calcium oxide

Q. No. 60 : Purity of Soil Colour is designed by....
(A) Hue (B) Chroma
(C) Value (D) Intensity

Q. No. 61 : As plants grow to maturity the concentration of plant nutrients changes. What kind of change occurs in respect of N, P, K, Ca and Mg ?
(A) Concentration of all 5 elements decrease. (B) N and P decrease k, ca and Mg increase.
(C) N, P and k decrease k, ca and Mg increase (D) N, P and k increase, Ca and Mg decrease

Q. No. 62 : Degree of soil salinity is indicated by its
(A) Total soluble salt (B) Organic matter content contents
(C) Nitrogen Content (D) Phosphorous content

Q. No. 63 : For reclamation of Alkali soil, gypsum is mixed in soil at the depth of :
(A) 100 cm (B) 30 cm
(C) 60 cm (D) 10 cm

Q. No. 64 : Diameter of silt particle is
(A) less than 0.002 mm (B) 0.02 to 0.002 mm
(C) more than 0.2 mm (D) None of the above.

Q. No. 65 : Soil samples are collected in
(A) Plastic bags (B) Metal containers
(C) Gunny bags (D) Wooden box

Q. No. 66 : Soils are surveyed and classified on the basis of distinctive features of
(A) Parent materials (B) Soil Horizons
(C) Soil profiles (D) Soil samples

Q. No. 67 : Soil is a _____ dimensional body
(A) one (B) Two
(C) Three (D) Four

Q. No. 68 : A table in which the elements are arranged in orders of increasing atomic number
(A) Periodic law (B) Phenolic table
(C) Periodic table (D) pH Table

- Q. No. 69 : Arrange in increasing orders according to Moh's scale of hardness
(A) 1, 2, 3, 4 (B) 1, 4, 3, 2
(C) 1, 3, 4, 2 (D) 4, 2, 1, 3
- Q. No. 70 : Methane, Ethane, Propane, Ethylene, are the examples of
(A) Solid (B) Rocks
(C) Sand (D) Gases
- Q. No. 71 : A solution of such a concentration that it contains one gram equivalent of a substance per litre of solution is known as.
(A) Concentrated Solution (B) Normal Solution
(C) Abnormal Solution (D) Specific solution
- Q. No. 72 : To which of the following both folic acid and pentothenic acid belong
(A) Vit. C (B) Vit. K
(C) Vit. A (D) Vit. B. – complex
- Q. No. 73 : The element of same atom number but different mass number is called
(A) Isobar (B) Isotopes
(C) Nucleon (D) Isotones
- Q. No. 74 : Cholesterol is an example of _____
(A) Animal sterol (B) Plant sterol
(C) Leaf Sterol (D) None of above
- Q. No. 75 : A line joining points of equal intensity of earthquakes shock, which is usually a closed curve around the epicentre, is termed as
(A) Epicentral line (B) Isobash
(C) Isoseismic line (D) Isochore
- Q. No. 76 : Choose the correct statement
(A) Weathering of rock is very effective in the desert land. (B) Important agent of erosion in desert are wind
(C) Desert lands are temporary feature on the earth surface. (D) All of the above.
- Q. No. 77 : Which of the following instrument is used to measure slope?
(A) Planimeter (B) Abney level
(C) Rota meter (D) None of these

Q. No. 78 : A coarse grained plutonic igneous rock composed predominantly of Quartz, Microcline and Biotite is

Q. No. 79 : Rocks resulting from ash flow have often been called

Q. No. 80 : Lime stone containing more than 30% of clay and sand is called

Q. No. 81 : Ladder veins which are short transverse fracture or less regularity spaced are generally found in

Q. No. 82 : While drilling saline formation, when the bed of salt is encountered, as a geologist what should be your instruction?

Q. No. 83 : China clay of an impure variety in red, buff or brown colour is known as

Q No. 84 : Heavy rainfall affects the soil by

- (A) Reducing its acidity (B) Increasing its alkalinity
 (C) Reducing the fertility (D) None of the above.

Q. No. 85 : Chemical Composition of quartz is

- (A) BaSO_4 (B) CaO
 (C) MgSO_4 (D) SiO_2

O. No. 86 : National Geo-physical research institute is located at.

Q. No. 87 : Soil solum consists of horizon

Q. No. 88 : If momentum is increased by 20% then kinetic energy increased by

- (A) 44% (B) 55%
(C) 66% (D) 77%

Q. No. 89 : If the distance between the earth and the sun were half its present value, the number of days in a year would have been

- (A) 64.5 (B) 129
(C) 182.5 (D) 730

Q. No. 90 : A cubical vessel of height 1m is full of water. The work done in pumping water out of vessel is

- (A) 49 J (B) 98 J
(C) 4900 J (D) 9800 J

- कच्चे टिप्पणासाठी जागा -

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