

1. The bottom edge of a roof surface is known as:
A. Eave
B. Verge
C. Span
D. Ridge
2. Amount of Silica in a good clay brick may vary from
A. 50-60 percent
B. 10-15 percent
C. 20 - 30 percent
D. 65-75 percent
3. Safe bearing pressure of soils can be improved by, (Pick the correct option)
(i) Increasing the depth of foundation
(ii) Vibroflotation.
A. Both option (i) and (ii) are false
B. Option (ii) alone is true
C. Both option (i) and (ii) are true
D. Option (i) alone is true
4. The Pigment Volume Concentration Number (PVCN) range of paint for prime coat on metals is
A. 55-60
B. 10-15
C. 25-40
D. 4. 50-70
5. A long sawn timber piece with parallel sides, having its thickness less than 50 mm and width more than 50mm are called
A. Boards
B. Plank
C. End
D. Scantling
6. Tarefelts were made
A. By impregnating vegetable or animal fibre mat with bitumen
B. By impregnating glass fibre mat with bentonite
C. By impregnating vegetable or animal fibre mat with clay
D. By impregnating steel fibre mat with bitumen
7. The main role of di-calcium silicate compound in cement
A. To provide colour effect in cement.
B. Flash set
C. To provide ultimate strength at the latter age.
D. To retard the flash setting of cement.
8. As per IS 4031-1988, the heat of hydration of low heat Portland cement for 7 days is
A. Should not be more than 120 calories per gram
B. Should not be more than 65 calories per gram
C. Should not be more than 100 calories per gram
D. Should not be more than 90 calories per gram
9. Timber can be made fire resistant by _____
A. Quenching
B. Charring
C. Hot and open tank treatment
D. Dipping and steeping process

- 10.** Which concrete is characterized by high-flow ability?
A. Ferro cement
B. Fibre reinforced concrete
C. Shotcrete
D. Self-compacting concrete
- 11.** As per IS 1786 :2008, what is the percentage of elongation failure of a Fe 415 HYSD bar?
A. 14.5
B. 12
C. 10
D. 23
- 12.** A mortar for which both cement and lime are mixed is called
A. Cement mortar
B. Gauged mortar
C. Lime mortar
D. Light weight mortar
- 13.** The cement-mortar mix normally adopted for plastering of R.C.C works is
A. 1:3 to 1:4
B. 1:1 to 1:2
C. 1:8 to 1:9
D. 1:5 to 1:5.5
- 14.** As per IS 4031-1988, the heat of hydration of low heat Portland cement for 7 days :
A. Should not be more than 90 calories per gram
B. Should not be more than 65 calories per gram
C. Should not be more than 100 calories per gram
D. Should not be more than 120 calories per gram
- 15.** Which of the following are correct steps in the making of brick earth ?
a. Digging
b. Weathering
c. Tempering
d. Blending
e. Unsoiling
A. e, a, c, b, d
B. e, a, b, d, c
C. a, e, b, d, c
D. e, a, d, b, c
- 16.** The thermal coefficient of concrete is
A. $10 \times 10^{-6} / ^\circ\text{C}$
B. $2.5 \times 10^{-6} / ^\circ\text{C}$
C. $1 \times 10^{-6} / ^\circ\text{C}$
D. $20 \times 10^{-6} / ^\circ\text{C}$
- 17.** Bull's trench kiln is used in the manufacturing of
A. Cement
B. Lime
C. Bricks
D. M-sand
- 18.** Fineness of cement can be found by
A. Le - Chatelier apparatus
B. Vicat mould
C. Blaine's air permeability method.
D. Autoclave test
- 19.** A splitting tensile test is performed on a cylinder of diameter 'D' and length 'L'. if the ultimate load is 'P' then the splitting tensile strength of concrete is given by
A. $\frac{P}{\pi DL}$
B. $\frac{2P}{\pi DL}$
C. $\frac{2PD}{\pi L^3}$
D. $\frac{4PD}{\pi D^3}$

- 28.** Of the following, which is the equipment not used in chain surveying?
A. Measuring tape
B. Leveling staff
C. Plumb bob
D. Offset rods
- 29.** A type of estimate which is prepared when additional works or when further developments are required during the progress of work is called
A. Detailed estimate
B. Supplementary estimate
C. Annual repair estimate
D. Abstract estimate
- 30.** _____ are the rights and privileges which a owner of a property enjoys through or over the property of another
A. Leasehold property
B. Mortgage
C. Freehold property
D. Easement
- 31.** The length, breadth and depth of a excavated earthwork is 6m x 0.8 m and 0.9 m. calculate the total amount required for excavation if the rate of excavation per cubic metre is Rs. 300.
A. Rs.1472
B. Rs.1296
C. Rs. 1100
D. Rs. 1491
- 32.** An integral part of the theodolite mounted on a spindle is
A. Vertical circle
B. Horizontal axis
C. A frame
D. Index frame
- 33.** Unit of measurement of rock excavation is
A. Sq. m
B. Cu.m
C. Sq.ft
D. cm
- 34.** According to standard specifications for First class brickwork, bricks shall have minimum crushing strength of
A. 35 kg per sq cm
B. 150 kg per sq cm
C. 65 kg per sq cm
D. 105 kg per sq cm
- 35.** Estimate the quantity of brickwork required in a wall of 4 m long, 3 m high and 30 cm thick
A. 8.3 cu.m
B. 3.6 cu.m
C. 7.2 cu.m
D. 5.6 cu.m
- 36.** _____ is the floor area of verandahs, passages, corridors, balconies, etc., which are used for the movements of persons using the building.
A. Plinth area
B. Floor area
C. Circulation area
D. Garden area
- 37.** Find the area of permanent land required for a state highway for one kilometer length, the width of permanent land being 30 metre.
A. 1 hectare
B. 8 hectare
C. 3 hectare
D. 12 hectare
- 38.** The unit of measurement for pile driving or sinking is
A. Metre
B. Quintal
C. Number
D. Point

- 39.** _____ is a type of contract in which all the materials for construction are arranged and supplied at the site of work by the department or owner.
- A. Lump sum contract
B. Labour engaged through contractors
C. Cost plus percentage contract
D. Labour contract
- 40.** A type of contract system where the contractor undertakes the execution of a specific work with all its contingencies is
- A. Lump sum contract
B. Schedule contract
C. Item rate contract
D. Manpower contract
- 41.** A data model which divides the entire area into rectangular grid cells is called
- A. Information set model
B. Vector data model
C. Numerical data model
D. Raster data model
- 42.** A surveyor measured the distance between two points on the plane drawn to a scale of 1cm = 40 m and the result was 480 m. Later, however he discovered that he used a scale of 1cm =20m. Find the true distance between the two points?
- A. 725 m.
B. 810 m.
C. 960 m.
D. 877m.
- 43.** Compute the maximum capillary tension for a tube 0.007 mm in diameter?
- A. 8.32 kN /m³
B. 6.05 kN /m³
C. 4.32 kN /m³
D. 1.83 kN /m³
- 44.** Determine the value of critical hydraulic gradient for a loose deposit of sand having void ratio of 0.67 and specific gravity of 2.67
- A. 5
B. 20
C. 10
D. 1
- 45.** Beginning of the curve where the alignment changes from a tangent to a curve is
- A. Point of tangency
B. Intersection angle
C. Back tangent
D. Point of curve
- 46.** Pick the correct statement
- a. The sum of the measured interior angles should be equal (2N-4) right angles.
b. If the exterior angles are measured, their sum should be equal to (2N+4) right angle.
Where N is the number of sides of the traverse.
- A. Statement (a) alone is true
B. Statement (b) lone is true
C. Both the statements are false
D. Both statements (a) and (b) are true
- 47.** The distance from the instrument and the target is called as
- A. Azimuth
B. Slope distance
C. Vertical angle
D. Horizontal angle
- 48.** The type of survey used for determining different strata in the earth's crust is
- A. Archaeological survey
B. Military survey
C. Mine survey
D. Geological survey

- 58.** The fore bearing of a line AB is found to be $12^{\circ} 24'$. Find the back bearing?
A. $167^{\circ}36'$ B. $347^{\circ}36'$
C. $192^{\circ}24'$ D. $4.77^{\circ}6'$
- 59.** A soil sample has a porosity of 30 percent. Calculate the voids ratio?
A. 0.11 B. 1.3
C. 0.947 D. 0.428
- 60.** Find the curvature correction for a distance of 1000 meters?
A. 0.628 m B. 2.137 m
C. 3.734 m D. 0.07849 m
- 61.** Piping in soil occurs when
A. Effective pressure becomes zero
B. The soil is highly porous
C. Sudden change in permeability occurs
D. The soil is highly stratified
- 62.** As per IS 1498-1970, the particle size of coarse gravel will range within
A. 100 mm to 150 mm sieve B. 4.75 mm to 2.0 mm sieve
C. 80 mm to 20 mm sieve D. 300 mm to 350 mm
- 63.** The dimension for discharge is
A. ML^{-3} B. L^3T^{-1}
C. $L^2 T^{-1}$ D. T^{-1}
- 64.** Pycnometer is used to determine
A. Shrinkage in soil B. Plastic index of soil
C. Liquid index of soil D. Specific gravity of soil
- 65.** Rise of ground water table above ground surface causes
A. Effective stress first increase and the decreases
B. No change in effective stress
C. Decrease in effective stress
D. Increase in effective stress
- 66.** The ratio of plasticity Index to percentage of clay size particle is between 0.75 and 1.25, then it is
A. Highly active clay B. Active Clay
C. Inactive clay D. Normal clay
- 67.** A soil stratum is 10 m thick with pervious stratum on top and bottom. Determine the time required for 50% Consolidation. Given that coefficient of permeability = 10^{-7} cm/s. Take the value for coefficient of compression = 0.0003 cm^2/g void ratio = 2, time factor = 0.197 and $\gamma_w = 1 gm/cm^3$
A. 110 days B. 570 days
C. 50 days D. 1100 days

- 68.** If soil is dried beyond its shrinkage limit, it will show
- A. Large volume change
 - B. Moderate volume change
 - C. No volume change
 - D. Low volume change
- 69.** For a hydraulically efficient rectangular channel of bed width 5 m and a depth of flow is 2.5 m, then the hydraulic radius is
- A. 0.883 m
 - B. 2.5 m
 - C. 5 m
 - D. 1.25 m
- 70.** When Froude number is greater than one, the type of flow is known as
- A. Shooting flow
 - B. Ideal flow
 - C. Tranquil flow
 - D. Critical flow
- 71.** In a constant head parameter with cross section area of 10cm^2 . When the flow was taking place under a hydraulic of 0.5, the amount of water collected in 60 second. Is 600cc. The permeability of the soil is
- A. 0.002 cm/s
 - B. 0.02 cm/s
 - C. 0.2 cm/s
 - D. 2 cm/s
- 72.** If the stream function $\phi = 2x^3 - 3.5y^2$ what is the magnitude of velocity at point (2, 1) is?
- A. 24
 - B. 25
 - C. 26
 - D. 15
- 73.** The effective diameter of the soil particle is
- A. D_{55}
 - B. D_{30}
 - C. D_{60}
 - D. D_{10}
- 74.** Compute the intensity of active earth pressure at depth of 8 meter in dry cohesion less sand with an angle of internal friction of 30° and unit weight of soil as 18kN/m^3 .
- A. 70 kN/m^3
 - B. 61 kN/m^3
 - C. 101 kN/m^3
 - D. 48 kN/m^3
- 75.** Pick the true statement.
- (i) Hydraulic jump occurs when a supercritical flow meets a subcritical flow of sufficient depth.
 - (ii) Hydraulic jump occurs when a supercritical flow meets a critical flow of sufficient depth.
- A. Statement (i) is false and statement (ii) is true
 - B. Statement (i) and (ii) are true.
 - C. Statement (i) alone is true.
 - D. Statement (ii) alone is true
- 76.** The specific gravity of Hematite is
- A. 6.5
 - B. 5.2
 - C. 4.0
 - D. 1.2
- 77.** Pressure of a fluid is measured by
- A. Manometer
 - B. Thermometer
 - C. Pivot tube
 - D. Barometer

- 78.** A point through which the force of buoyancy is supposed to act.
- A. Metacentric height
 - B. Metacenter
 - C. Centre of buoyancy
 - D. Buoyancy
- 79.** A laboratory test was carried on a soil sample obtained from a foundation site reveal the following. The total mass of soil sieved = 200 g and the cumulative mass retained on 75 mm micron sieve = 150 g. Calculate the percentage of soil finer than 75 micron sieve?
- A. 25 percent
 - B. 10 percent
 - C. 52 percent
 - D. 5 percent
- 80.** A real fluid in which the shear stress is directly proportional to the rate of shear strain is known as
- A. Ideal fluid
 - B. Ideal plastic fluid
 - C. Non Newtonian fluid
 - D. Newtonian fluid.
- 81.** The ratio of the volume of water actually striking the runner to the volume of water supplied by the jet to the turbine is known as.
- A. Overall efficiency
 - B. Hydraulic efficiency
 - C. Mechanical efficiency
 - D. Volumetric efficiency
- 82.** Type of dam in which the external forces are resisted by the weight of the dam itself is.
- A. Arch dam
 - B. Earth dam
 - C. Gravity dam
 - D. Rigid dam
- 83.** In a town, the monthly precipitation is recorded as 28 cm and the mean temperature is recorded as 25°C over period of one month. Calculate the monthly runoff.
- A. 31 cm
 - B. 5 cm
 - C. 10 cm
 - D. 16 cm
- 84.** The boundary layer takes place for
- A. Ideal fluids
 - B. Flow over flat plate only
 - C. Pipe flow only
 - D. Real fluids
- 85.** Shear stress develops on a fluid element, if
- A. The fluid container is subject to uniform linear acceleration
 - B. The fluid is in- viscous
 - C. The fluid is at rest
 - D. The fluid is viscous and the flow is non-uniform
- 86.** The main function of a casing in Pelton turbine is to
- A. It divides the jet into two equal parts and gets deflected by 160°
 - B. Makes the water to glide over the inner surface
 - C. Is to prevent the splashing of water and to discharge water to tail race.
 - D. Control the amount of water striking the bucket
- 87.** A discharge of 1 cumec is flowing in a rectangular channel one metre wide at a depth of 20 cm. The bed slope of the channel is
- A. Mild
 - B. Steep
 - C. Adverse
 - D. Critical

- 88.** The temperature at which the air mass just becomes saturated if cooled at constant pressure with moisture neither added nor removed is called
- A. Degree day
B. Dew point
C. Normal daily temperature
D. Mean daily temperature
- 89.** A spring which is formed when the downward passage of ground water in a permeable deposit is hindered by an underlying impervious layer is called
- A. Valley springs
B. Artesian spring
C. Fault spring
D. Stratum spring
- 90.** The main function of corbel in a Buttress dam is
- A. To support the water and transmit the water load to series of Buttress.
B. To help in transmitting the load from the upstream deck to the Buttress
C. To reduce (or) prevent seepage.
D. To reinforce the Buttress.
- 91.** A dam has siphon spillway whose cross-section is 1 m high and 4 m wide. The tail water elevation at design flow is 6 m below the summit of the siphon and the head water elevation is 1.5 m above the summit. Assuming a coefficient of discharge of 0.6 what is the capacity of siphon?
- A. 20.45 cumecs
B. 29.1 cumecs
C. 12.85 cumecs
D. 76.3 cumecs
- 92.** A rectangular open channel of width 4.5 m carrying a discharge of 100m³/sec. The critical depth of the channel is
- A. 7.09 m
B. 1.31 m
C. 2.16 m
D. 3.69 m
- 93.** A 25 cm diameter pipe carries oil of specific gravity at a velocity of 3 m/s. at another section the diameter is 20 cm. Find the velocity at this section.
- A. 4.68 m/s
B. 5.02 m/s
C. 11.74 m/s
D. 9.03 m/s
- 94.** For a pipe of radius r, flowing half full under the action of gravity, the hydraulic depth is
- A. $\frac{r}{2}$
B. 2.0.379r
C. $\frac{\pi r}{4}$
D. r
- 95.** The drainage system which consists of laterals and sub mains, in which laterals are provided only one side of sub main. This system is called
- A. Herring bone pattern
B. Double main system.
C. Natural system
D. Grid iron layout
- 96.** Find the delta for a crop if the duty for a base period of 110 days is 1400 hectares/cumec.
- A. 68 cm
B. 100 cm
C. 12 cm
D. 34 cm

- 117.** Maximum daily demand in supply is equal to
A. $2.5 \times$ average daily demand
B. $4 \times$ average daily demand
C. $2 \times$ average daily demand
D. $1.8 \times$ average daily demand
- 118.** The minimum and maximum value of 15minute peak hour factor on a section of a road is respectively
A. 0.5 and 0.75
B. 0.25 and 0.5
C. 0.5 and 1
D. 0.25 and 1
- 119.** A part of land that is acquired during initial stages of construction for future expansion is called
A. Footpath
B. Camber
C. Right of way
D. Kerb
- 120.** Activated sludge process is an example of
A. Aerobic attached growth process.
B. Anaerobic suspended growth process.
C. Anaerobic attached growth process.
D. Aerobic suspended growth process.
- 121.** What is the modular ratio of M25 grade of concrete if $\sigma_{cbc} = 8.5$ MPa
A. 12.04
B. 15.63
C. 14.39
D. 10.98
- 122.** Transition zone in concrete is
A. Concrete shrinks when allowed to dry in air at low relative humidity
B. Time where concrete transfer from wet form to dry form
C. Zone between aggregate and hydrated cement paste
D. Cement particles taking part in hydration process
- 123.** Mix proportion for M20 Grade Concrete is
A. 1:4:8
B. 1:3:6
C. 1:1.5:3
D. 1:2:4
- 124.** In tests on aggregate, Los Angeles test is developed to overcome the defects found in
A. Impact test
B. Dorry Abrasion test
C. Deval test
D. Crushing test
- 125.** The ordinate of influence line diagram for bending moment always will be
A. Force
B. Length
C. $\frac{\text{Force}}{\text{Length}}$
D. Force \times length
- 126.** Plastic shrinkage can be reduced by
A. Using aggregates of bigger size.
B. Preventing rapid loss of water from surface.
C. Replacing cement with other Pozzolanic materials
D. Dense compacting.

- 127.** Which of the following test is not used for measurement of workability in concrete?
A. Normal consistency test
B. Flow test
C. Slump test
D. Kelly ball test
- 128.** The separation of the constituent materials of concrete is known as
A. vibration
B. Segregation
C. Bleeding
D. Honeycombing
- 129.** Arrange the following processes in order of their treatment given to the water
1. Filtration
2. Chlorination
3. Screening
4. Sedimentation
5. Aeration
A. 3,4,5,2,1
B. 1,3,2,5,4
C. 1,2,3,4,5
D. 3,5,4,1,2
- 130.** Chlorosis is term a which denotes
A. Dropping of leaves
B. Downward curvature of the leaf
C. Killing of tissue
D. Reduction in the chlorophyll
- 131.** The suitable method of disposal for discarded medicine
A. Disinfection
B. incineration
C. Discharge into sewers
D. Shredding
- 132.** Revibration is a process used to manufacture which of the following type of concrete?
A. Lightweight concrete
B. Aerated concrete
C. Geo Polymer concrete
D. High performance concrete
- 133.** What will be the Euler buckling load of a column of actual length l when it is fixed at one and free at other end?
A. $\frac{\pi^2 EI}{l^2}$
B. $\frac{4\pi^2 EI}{l^2}$
C. $\frac{\pi^2 EI}{4l^2}$
D. $\frac{2\pi^2 EI}{l^2}$
- 134.** In a two system of forces $F_1 = 4$ kN and $F_2 = 3$ kN and the magnitude of resultant force $R = 5$ kN, find the angle (θ)
A. 180°
B. 90°
C. 120°
D. 35°
- 135.** Which of the following method is not used for finding deflection of determinate beams?
A. Macaulay's method
B. Moment distribution method
C. Moment area method
D. Strain energy method
- 136.** As per 3306 : 1974 , the maximum permissible limit for lead effluent discharge into public sewers is
A. 1 mg/l
B. 5 mg/l
C. 12 mg/l
D. 4 mg/l

- 137.** A simply supported beam carrying a uniformly distributed load of 8 kN/m over the whole span of 3m. What will be the maximum bending moment of the beam?
 A. 686.7 N
 B. 700.28 N
 C. 327.13 N
 D. 482 N
- 138.** As per IS:10262:2009, standard deviation for M25 concrete is
 A. 4.0
 B. 3.5
 C. 5.0
 D. 4.5
- 139.** The ratio of carry over moment to applied moment is called as
 A. Reduction factor
 B. Multiplication factor
 C. Distribution factor
 D. Carry over factor
- 140.** A single load of 100 kN rolls along a girder of 20 m span which is simply supported. What will be the absolute maximum bending moment?
 A. 210 kN-m
 B. 300 kN-m
 C. 1500 kN-m
 D. 500 kN-m
- 141.** For two way simply supported slab of shorter span (upto 3.5 m) with mild steel reinforcement, the span to overall depth ratio is generally taken as
 A. 1.40
 B. 2.45
 C. 3.35
 D. 4.20
- 142.** A tensile strength of the plate is given by
 F_u = ultimate tensile stress of the plate in MPa.
 A_n = Net area of the plate
 γ_{m1} = Partial safety factor
 γ_{m0} = Partial safety factor for material resistance governed by yielding
 A. $0.9 \frac{F_u A_n}{\gamma_{m0}}$
 B. $0.9 \frac{F_u A_n}{\gamma_{m1}}$
 C. $0.2 f_y \frac{A_n}{\gamma_{m1}}$
 D. $0.9 f_u A_n$
- 143.** The minimum beam width required for 2 hours of fire exposure is
 A. 1.150 mm
 B. 2.100 mm
 C. 3.280 mm
 D. 4.200 mm
- 144.** What is the effective throat thickness of the weld, if the size of the weld is 3 mm and K value is 0.7?
 A. 2.3 mm
 B. 4.28 mm
 C. 3.7 mm
 D. 2.1 mm
- 145.** A tie bar 50 mm X 8 mm is to carry a load of 80 kN. Find the gauge length
 A. 57 mm
 B. 83 mm
 C. 150 mm
 D. 113 mm
- 146.** When gantry girders carry moving loads, for 6000 m span, then the deflection is.
 A. 8.5 mm
 B. 10 mm
 C. 15 mm
 D. 21 mm

- 147.** In a tension member, the thickness of the gusset plate should not be less than
A. 12 mm
B. 2 mm
C. 15 mm
D. 5 mm
- 148.** For a bolt, the ultimate tensile stress is 420 MPa and the net tensile stress area of the bolt is 100 mm². What is the nominal tensile capacity of the bolt?
A. 67.5 kN
B. 37.8 kN
C. 20.18 kN
D. 100.46 kN
- 149.** The characteristic compressive strength of concrete cube at 28 days strength was found to be 25 mm². Calculate the modulus of elasticity of concrete at 28 days?
A. 5000 N/mm²
B. 2500 N/mm²
C. 25000 N/mm²
D. 12500 N/mm²
- 150.** The minimum beam width for 1 hour fire exposure is:
A. 200 mm
B. 300 mm
C. 150 mm
D. 280 mm
- 151.** Improve the bracketed part of the sentence.
The firm asked her to return the fund (given to) the project.
A. allotted for
B. given in
C. No Improvement
D. allocated to
- 152.** Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
He is the character (1)/ of extreme loyalty and (2)/a commitment freak (3)/. No error (4)
A. 1
B. 2
C. 3
D. 4
- 153.** A sentence has been given with a blank to be filled with an appropriate word/words. Choose the correct alternative.
She said her house is situated _____ from the Red fort.
A. far
B. farther
C. further
D. farthest
- 154.** Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
The politics of serving food (1)/ prepared to US safety standards (2)/ are tricky on a number of levels (3)/. No error (4)
A. 4
B. 1
C. 2
D. 3
- 155.** Improve the bracketed part of the sentence.
My mother (insisted on accompanying) me to my first class.
A. No Improvement
B. agreed to come
C. demanded to come
D. insists on coming
- 156.** Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
It is a (1)/ period of great (2)/ change in life (3)/. No error (4)
A. 1
B. 4
C. 3
D. 2

179. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Burn the midnight oil

- A. To stay up working late at night
- B. To be hopeful of good news
- C. To indulge in illicit activities
- D. To wait for someone

180. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Make a clean breast of it

- A. To create an underground group
- B. To be on the run from police
- C. To reveal a secret
- D. To confess

181. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Make a clean breast of it

- A. To create an underground group
- B. To be on the run from police
- C. To reveal a secret
- D. To confess

182 The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P: On a wet Sunday afternoon in 1983, Dave Kelland relieved himself in a field.

Q: Thus the Blackawton International Festival of Wormcharming was born.

R: Cryonics might seem like an unusual basis for a festival, but not quite as unusual as this.

S: Kelland was perplexed after realizing that this action caused numerous worms to surface, and he decided to create a competition around his newfound "wormcharming" abilities.

- A. QSPR
- B. RPSQ
- C. QRSP
- D. SPQR

183. In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

- A. Extempore
- B. Extempore
- C. Exstempore
- D. Exttempore

184. Choose the word that means the same as the given word.

Unstained

- A. Imminent
- B. Immaculate
- C. Immunity
- D. Immigrate

185. In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

- A. Eulogize
- B. Eulogise
- C. Eulogise
- D. Eulogise

- 186.** In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
Turn up one's nose at
A. A Foul smell
B. To reject
C. Refuse to acknowledge a grave situation
D. To make comparisons
- 187.** In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.
A. Angelic
B. Angelec
C. Engelic
D. Engelec
- 188.** Choose the word that means the same as the given word.
Unsung
A. Biased
B. Notorious
C. Nameless
D. Hoarse
- 189.** Choose the word that is opposite in meaning to the given word.
Eminent
A. Infamous
B. Premiditate
C. Paramount
D. Obscure
- 190.** In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To blow hot and cold
A. To have inconsistent mood or opinions
B. To be rich and to poor frequently
C. To burn one's tongue on something hot
D. To blow on your food before consuming it
- 191.** Choose the word that can substitute the given sentence.
A list of books available in a library
A. Catalogue
B. Glossary
C. Directory
D. Index
- 192.** Choose the word that can substitute the given sentence.
A large sleeping-room with many beds
A. Dormitory
B. Hotel
C. Bedroom
D. Attic
- 193.** Choose the word that can substitute the given sentence.
A list of passengers and luggage
A. Waybill
B. Stub
C. Receipt
D. Ticket
- 194.** Choose the word that can substitute the given sentence.
A large number of fish swimming together
A. Litter
B. Fleet
C. Shoal
D. Herd

195. Choose the word that can substitute the given sentence.

A list of books and writings of one author or one subject

A. Menu

B. Autobiography

C. Index

D. Bibliography

Passage – 196 to 201

Comprehension:

Read the following information carefully and answer the given questions.

The use of vegetable oil-based biofuels has rocketed in recent years because they are considered a "greener" substitute for fossil fuels. Although their sustainability is now increasingly questioned, the demand continues to grow, and this has stimulated the ongoing expansion of oil palm cultivation across the tropics, especially in Indonesia. Greenhouse gas emissions are important because they have far-ranging environmental effects such as climate change. The European Union (EU) defined minimum greenhouse gas emission saving requirements for biofuels in its Renewable Energy Directive: the entire life cycle of palm-oil biodiesel has to show at least 60% greenhouse gas emission savings compared to fossil fuel. In this study, researchers from the German-Indonesian Collaborative Research Centre "Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (EFForTS)" analysed the entire life cycle of palm-oil biodiesel. The researchers used field-based measurements of greenhouse gas fluxes during different stages of oil palm cultivation in the Jambi province in Indonesia. "Mature oil palms capture high rates of CO₂, but there are serious consequences for the environment from clearing forest. In fact, carbon emissions caused by cutting down the forest to plant oil palms are only partially offset by the future carbon capture," says lead author Ana Meijide from the Agronomy Group at the University of Göttingen. The study showed that palmoil biodiesel from the first-rotation cycle of palms produces 98% more emissions than fossil fuel. "The negative impact of biodiesel on greenhouse gases is reduced when palm oil comes from second-generation oil palm plantations," says Professor Alexander Knohl, senior author from the Bioclimatology Group at the University of Göttingen. Only palm-oil biodiesel from second rotation plantations reaches the greenhouse gas emission savings required by the EU directive. Based on these findings, the researchers tested alternative scenarios that could lead to higher greenhouse gas savings compared to current models. "Longer rotation cycles, such as extending the plantation cycle to 30 or even 40 years compared to the conventional 25 years, or earlier yielding varieties have a substantial positive effect on greenhouse gas emissions -both scenarios are doable and relatively easy to implement," as per Meijide.

- 196.** What is the central idea of the given passage?
- A. To encourage people to use more fossil fuels than palm oil
 - B. To understand the effect of greenhouse gases on climate change
 - C. To conduct various researches on palm oil
 - D. To understand the effect of palm-oil biodiesel on greenhouse gases
- 197.** What is the tone of the above passage?
- A. Speculative
 - B. Technical
 - C. Biased
 - D. Acerbic
- 198.** When does the palm oil push more emission than fossil fuels, as per the research?
- A. From the second-generation oil palm plantations
 - B. During first rotation plantations, when fossil fuels are burned.
 - C. During longer rotation cycles.
 - D. During first rotation plantations, when forests are cleared.
- 199.** What is the antonym of the word 'stimulated' as used in the first paragraph of the passage?
- A. Servile
 - B. Foment
 - C. Exhausted
 - D. Trigger
- 200.** Who has conducted the study to analyses the complete life cycle of palm oil?
- A. European Union
 - B. Ana Mejjide
 - C. Professor Alexander Knohl
 - D. German-Indonesian Collaborative Research Centre
