123/2017

Question Booklet Alpha Code

| A | |
|---|--|
| | |

Question Booklet Serial Number

| Total Number of Questions : 100 | Time: 75 Minutes |
|---------------------------------|------------------|
| Maximum Marks: 100 | |

- 1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. **A**, **B**, **C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- 6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.



123/2017

| 1. | DC s (A) (C) | stands for : Direct Charge Direct Current | | | (B) (D) | | l Charge harge Current | | |
|----|--------------|---|--------|----------------|------------|--------|---------------------------|-------|---------------------|
| 2. | , , | reciprocal of resis | tivity | is called: | (-) | | | | |
| | (A) | <u>-</u> | • | | nce | (C) | Permittivity | (D) | Permeability |
| 3. | The | process of enlarg | ing th | e end of a h | ole fo | r accc | ommodating the s | ocket | screw head is: |
| | (A) | Reaming | (B) | Spot facin | g | (C) | Counter boring | (D) | Counter sinking |
| 4. | Soft | soldering is gene | erally | done | | | | | |
| | (A) | Above 450°C | | | (B) | At 1 | 200°C | | |
| | (C) | Between 900°C | and 1 | 1000°C | (D) | Belo | w 450°C | | |
| 5. | A m | egger is also call | ed | | | | | | |
| | (A) | Resistance mete | r | | (B) | Insu | lation meter | | |
| | (C) | Insulation Teste | r | | (D) | Ohm | nmeter | | |
| 6. | In a | n open Circuit _ | | • | | | | | |
| | (A) | Resistance and | currei | nt are zero | | | | | |
| | (B) | Resistance and | currer | nt are infinit | ty | | | | |
| | (C) | Resistance is zer | o and | l current is i | infinit | y | | | |
| | (D) | Resistance is inf | inity | and current | is zer | ю | | | |
| 7. | _ | value of dc Curre | nt tha | t will produ | ice the | e same | e heat in a resistor | as th | at of an ac Current |
| | (A) | Average value | (B) | Peak value | e | (C) | RMS value | (D) | All of these |
| 8. | The | unit of frequency | in ac | is: | | | | | |
| | (A) | Henry | (B) | Hertz | | (C) | Weber | (D) | None of these |
| A | | | | | 3 | | | | |

{P.T.O.}

| 9. When an unmagnetised soft iron is brought inside a unif | | | | | | | | gnetic fie | eld, it : | | |
|---|-------|------------------------|----------|-------------------------------|--------|-----------------------------|---------------------------------|------------|----------------|--|--|
| | (A) | Does not condu | ıct eled | ctricity | (B) | Dest | roys the magne | etic field | | | |
| | (C) | Develops N and | l S pol | les | (D) | Non | e of these | | | | |
| 10. | The | point angle of ce | entre p | ounch is | | <u></u> . | | | | | |
| | (A) | 90° | (B) | 60° | | (C) | 30° | (D) | 120° | | |
| 11. | Cells | s are connected i | n serie | es to | · | | | | | | |
| | (A) | Increase the cur | rrent r | ating | (B) | Increase the voltage rating | | | | | |
| | (C) | Decrease the in | ternal | resistance | (D) | All c | of the above | | | | |
| 12. | The | pitch diameter of | f the e | xternal scre | w thre | ead is | checked by: | | | | |
| | (A) | Vernier Caliper | | | (B) | Thre | ad ring gauge | | | | |
| | (C) | Screw pitch gai | ıge | | (D) | Scre | w thread micro | meter | | | |
| 13. | The | correct equation | for ca | pacitance is | 3: | | | | | | |
| | (A) | $C = \frac{\rho l}{A}$ | (B) | $C = \frac{\varepsilon A}{d}$ | | (C) | $C = \frac{\varepsilon A^2}{D}$ | (D) | None of these | | |
| 14. | The | direction of indu | ced en | nf in a coil o | can be | found | d based on : | | | | |
| | (A) | Faraday's Law | | | (B) | Lenz | ze's Law | | | | |
| | (C) | Fleming's Left I | Hand 1 | Rule | (D) | Flem | ning's Right Ha | nd Rule | | | |
| 15. | The | material of twist | drill is | s generally : | : | | | | | | |
| | (A) | Diamond | (B) | Carbide st | teel | (C) | HSS | (D) | Cast steel | | |
| 16. | An A | Auto transforme | r has . | | | | | | | | |
| | (A) | Two separate w | vindin | gs | (B) | No v | vinding | | | | |
| | (C) | Three windings | ; | | (D) | A Si | ngle winding | | | | |
| 17. | A se | condary measuri | ing ele | ement requi | ires | | · | | | | |
| | (A) | Calibration | (B) | Control el | lement | (C) | Recording Ta | pe (D) | External Power | | |
| 123/ | 2017 | | | | 4 | | | | Α | | |

| 18. | 8. Insulating materials are used to | | | | | | | | | |
|-----|--|--------------------|---------|----------------|--------|---------|--------------------|-----|---------------|--|
| | (A) | Conduct very la | rge cı | ırrent | | | | | | |
| | (B) | Prevent short cir | rcuit l | etween con | ductir | ng wi | res | | | |
| | (C) | Prevent open cir | cuit b | etween volt | age so | ource | and load | | | |
| | (D) | Store very high | Curre | nt | | | | | | |
| 19. | The | process of adding | g impu | ırities to a p | oure s | emico | onductor is called | l | | |
| | (A) | Mixing | (B) | Diffusing | | (C) | Forcing | (D) | Doping | |
| 20. | A P- | N Junction photo | diode | has to be | | | | | | |
| | (A) | Reverse biased | (B) | Forward bi | iased | (C) | Switch on | (D) | Switch off | |
| 21. | A bi | polar transistor | is | | | | | | | |
| | (A) | Current control | devic | e | (B) | Volta | nge control devic | e | | |
| | (C) | Resistance contr | ol dev | rice | (D) | None | e of these | | | |
| 22. | The | most heavily dop | ed reg | gion in trans | sistor | is | · | | | |
| | (A) | Emitter | (B) | Base | | (C) | Collector | (D) | None of these | |
| 23. | The | basic purpose of | a filte | r is to | | .• | | | | |
| | (A) | Minimize variat | ion in | output | | | | | | |
| | (B) | Suppress harmo | nics i | n rectified o | utput | | | | | |
| | (C) | Remove ripples | from | the rectified | outpu | ıt | | | | |
| | (D) | Stabilize the DC | outp | ut | | | | | | |
| 24. | Whic | ch of the followin | g rect | ifiers require | es 4 D | iodes | ? | | | |
| | (A) | Half wave rectif | ier | | (B) | Full | wave rectifier | | | |
| | (C) | Bridge rectifier | | | (D) | Volta | nge quadruple | | | |
| 25. | The | ideal OP-amp ha | s the | following cl | naract | eristic | es | | | |
| | (A) | Infinite input re | sistan | ce and gain, | zero | outpu | ıt resistance | | | |
| | (B) | Infinite gain, zer | o inp | ut and outp | ut res | istano | ce | | | |
| | (C) Infinite gain, input and output resistance | | | | | | | | | |
| | (D) Infinite output resistance and gain, zero input resistance | | | | | | | | | |

| 26 amplifier is commonly used to amplify the output of a transduc | | | | | | | | |
|---|-----|--------------------|----------|---------------------|----------|------------------|---------|----------------|
| | (A) | Class A amplif | ier | (B) | Clas | s B amplifier | | |
| | (C) | Class AB ampl | ifier | (D) | Insti | rumentation am | plifier | |
| 27. | The | NAND gate out | put wi | ill be low if the t | wo inp | outs are | · | |
| | (A) | 00 | (B) | 01 | (C) | 10 | (D) | 11 |
| 28. | The | binary equivale | nt of 6 | 73 is | | | | |
| | (A) | 1001010010 | (B) | 1000010101 | (C) | 1010100001 | (D) | 1010101001 |
| 29. | The | decimal equival | ent of | the hexadecimal | numb | er 'AO' H is | | _· |
| | (A) | 100 | (B) | 256 | (C) | 80 | (D) | 160 |
| 30. | The | Boolean express | ion Al | B+AB+AB sim | plified | l to | | |
| | (A) | A + B | (B) | $\overline{A + B}$ | (C) | ĀB | (D) | A.B |
| 31. | The | gates required t | o build | l a half adder are | <u> </u> | · | | |
| | (A) | EX-OR and NA | AND g | ate (B) | EX-C | OR and AND ga | ate | |
| | (C) | EX-OR and NO | OR gate | e (D) | Four | : NAND gates | | |
| 32. | Whi | ch one among th | ne follo | wing has a single | e inpu | t and multiple o | utputs | ? |
| | (A) | Counter | (B) | Adders | (C) | Multiplexer | (D) | De multiplexer |
| 33. | | and | | _ gate are called | unive | ersal gates. | | |
| | (A) | AND, OR | (B) | NAND, AND | (C) | NOT, OR | (D) | NAND, NOR |
| 34. | Whi | ch of these is a v | olatile | memory ? | | | | |
| | (A) | RAM | (B) | ROM | (C) | PROM | (D) | EPROM |
| 35. | The | length of progra | am cou | unter (PC) of 8085 | 5 micr | oprocessor is | | |
| | (A) | 6 bits | (B) | 8 bits | (C) | 12 bits | (D) | 16 bits |
| | | | | | | | | |

| 36. | Orifi | Orifice plates are usually made of | | | | | | | | | | | |
|-------------|-------|------------------------------------|---------|----------------|---------|--------|--------------------|---------|---------------|--|--|--|--|
| | (A) | Stainless steel | (B) | Copper | | (C) | Plastic materia | 1 (D) | Rubber | | | | |
| 37. | Mea | surement of phas | se and | frequency | in a C | CRO is | s done with the | help of | f | | | | |
| | (A) | Sampling | | | (B) | Lissa | ajous pattern | | | | | | |
| | (C) | Deflection of sig | gnal | | (D) | Non | e of these | | | | | | |
| 38. | Digi | tal frequency me | ter co | nsists of | | | | | | | | | |
| | (A) | A/D Converter | • | | (B) | Digi | tal Converter | | | | | | |
| | (C) | D/A Converter | • | | (D) | Schn | nitt trigger | | | | | | |
| 39. | LCD | stands for | | _• | | | | | | | | | |
| | (A) | Light Crystal D | isplay | | (B) | Liqu | id Crystal Displ | ay | | | | | |
| | (C) | Light Colour D | isplay | | (D) | Liqu | id Colour Displ | ay | | | | | |
| 4 0. | Whi | ch of the followir | ng dev | rice is bidire | ectiona | ıl but | without a gate ? | | | | | | |
| | (A) | SCR | (B) | TRIAC | | (C) | DIAC | (D) | None of these | | | | |
| 41. | A TI | RIAC is like a | | · | | | | | | | | | |
| | (A) | Unidirectional S | SCR | | (B) | Bidi | rectional SCR | | | | | | |
| | (C) | NPN Transistor | • | | (D) | PNP | Transistor | | | | | | |
| 42. | Whi | ch of the followir | ng eler | ments does | not ha | ve fiv | re valence electro | ons ? | | | | | |
| | (A) | Phosphorus | (B) | Arsenic | | (C) | Antimony | (D) | Indium | | | | |
| 43. | PCB | stands for | | _· | | | | | | | | | |
| | (A) | Permanent Circ | cuit Bo | oard | (B) | Prin | ted Circuit Boar | d | | | | | |
| | (C) | Parallel Circuit | Bridg | e | (D) | Non | e of these | | | | | | |
| 44. | 555 | Timer is a | | pin IC. | | | | | | | | | |
| | (A) | 6 | (B) | 12 | | (C) | 8 | (D) | 10 | | | | |

| Derived units can be expressed in terms of | | | | | | | | | |
|--|--|---|---|---|--|---|--|--|--|
| (A) | Fundamental U | nits | | (B) | SI U | nits | | | |
| (C) | Calibrated Units | 5 | | (D) | CGS | Units | | | |
| The | Unit of capacitane | ce is : | | | | | | | |
| (A) | Henry | (B) | Coulumb | | (C) | Farad | (D) | Watt | |
| | | | cibility of re | esults | in me | asuring instrum | ents ar | e described by the | |
| (A) | Accuracy | (B) | Reproducil | bility | (C) | Precision | (D) | Repeatability | |
| Hyd | rostatic pressure t | ype l | evel indicato | or is a | : | | | | |
| (A) | Direct method of | f liqu | id level mea | suring | g syste | em | | | |
| (B) | Indirect method | of liq | uid level me | easuri | ng sys | stem | | | |
| (C) | Torque tube disp | olacer | type liquid | level | meası | ıring system | | | |
| (D) | All of the above | | | | | | | | |
| Whi | ch of the followin | g is a | dynamic ch | naract | eristic | of measuring in | strum | ent ? | |
| (A) | Dead band | (B) | Fidelity | | (C) | Resolution | (D) | Drift | |
| Cree | ping is the pheno | omen | a which occ | urs is | | | | | |
| (A) | Volt meter | (B) | Watt meter | r | (C) | Energy meter | (D) | Ammeter | |
| Strol | boscope uses a | | · | | | | | | |
| (A) | Rotating Disc or | Drui | m | (B) | Rota | ting collar | | | |
| (C) | Moving spring | | | (D) | Non | e of these | | | |
| The | specific gravity of | f a liq | uid is the ra | itio of | its de | ensity with | · | | |
| (A) | Density of air | | | (B) | Dens | sity of water at 4 | ŀ°C | | |
| (C) | Density of merce | ury | | (D) | Dens | sity of saline | | | |
| | (A) (C) The (A) The char (A) Hyd (A) (B) (C) (D) Whil (A) Cree (A) Strol (A) (C) The (A) | (A) Fundamental Units (C) Calibrated Units The Unit of capacitant (A) Henry The consistency of representation (A) Accuracy Hydrostatic pressure to (A) Direct method of (B) Indirect method (C) Torque tube disp (D) All of the above (A) Dead band Creeping is the phenoman (A) Dead band Creeping is the phenoman (A) Volt meter Stroboscope uses a (A) Rotating Disc or (C) Moving spring The specific gravity of (A) Density of air | (A) Fundamental Units (C) Calibrated Units The Unit of capacitance is: (A) Henry (B) The consistency of reproducharacteristic | (A) Fundamental Units (C) Calibrated Units The Unit of capacitance is: (A) Henry (B) Coulumb The consistency of reproducibility of recharacteristic (A) Accuracy (B) Reproducibility of recharacteristic Hydrostatic pressure type level indicated (A) Direct method of liquid level means (B) Indirect method of liquid level means (C) Torque tube displacer type liquid (D) All of the above Which of the following is a dynamic characteristic (A) Dead band (B) Fidelity Creeping is the phenomena which occurs (A) Volt meter (B) Watt meteromaphore (C) Moving spring The specific gravity of a liquid is the reconstruction of the reconstruct | (C) Calibrated Units (D) The Unit of capacitance is: (A) Henry (B) Coulumb The consistency of reproducibility of results characteristic (A) Accuracy (B) Reproducibility Hydrostatic pressure type level indicator is a (A) Direct method of liquid level measuring (B) Indirect method of liquid level measuring (C) Torque tube displacer type liquid level (D) All of the above Which of the following is a dynamic characte (A) Dead band (B) Fidelity Creeping is the phenomena which occurs is (A) Volt meter (B) Watt meter Stroboscope uses a (A) Rotating Disc or Drum (B) (C) Moving spring (D) The specific gravity of a liquid is the ratio of (A) Density of air (B) | (A) Fundamental Units (B) SI Unit (C) Calibrated Units (D) CGS The Unit of capacitance is: (A) Henry (B) Coulumb (C) The consistency of reproducibility of results in mecharacteristic (A) Accuracy (B) Reproducibility (C) Hydrostatic pressure type level indicator is a: (A) Direct method of liquid level measuring systems (C) Torque tube displacer type liquid level measuring systems (D) All of the above Which of the following is a dynamic characteristic (A) Dead band (B) Fidelity (C) Creeping is the phenomena which occurs is (A) Volt meter (B) Watt meter (C) Stroboscope uses a (A) Rotating Disc or Drum (B) Rota (C) Moving spring (D) None (B) Density of air (B) Density of air (B) Density of air | (A) Fundamental Units (B) SI Units (C) Calibrated Units (D) CGS Units The Unit of capacitance is: (A) Henry (B) Coulumb (C) Farad The consistency of reproducibility of results in measuring instrume characteristic (A) Accuracy (B) Reproducibility (C) Precision Hydrostatic pressure type level indicator is a: (A) Direct method of liquid level measuring system (B) Indirect method of liquid level measuring system (C) Torque tube displacer type liquid level measuring system (D) All of the above Which of the following is a dynamic characteristic of measuring in (A) Dead band (B) Fidelity (C) Resolution Creeping is the phenomena which occurs is (A) Volt meter (B) Watt meter (C) Energy meter Stroboscope uses a (A) Rotating Disc or Drum (B) Rotating collar (C) Moving spring (D) None of these The specific gravity of a liquid is the ratio of its density with (A) Density of air (B) Density of water at 4 | (A) Fundamental Units (B) SI Units (C) Calibrated Units (D) CGS Units The Unit of capacitance is: (A) Henry (B) Coulumb (C) Farad (D) The consistency of reproducibility of results in measuring instruments ar characteristic | |

| 53. | Alic | quia moves from a | ı regio | on of: | | | | | |
|-----|------|---------------------|---------------|----------------|----------|--------|-----------------------------|-----------|-----------------|
| | (A) | Low pressure to | high | pressure | (B) | Equa | al pressure | | |
| | (C) | High pressure to | Low | pressure | (D) | Non | e of these | | |
| 54. | The | Instrument for m | easur | ing of atmo | spher | ic pre | ssure is | · | |
| | (A) | Barometer | | | (B) | Bour | don tube meter | r | |
| | (C) | Manometer | | | (D) | Diap | ohragm meter | | |
| 55. | Whi | ch of the followin | g pre | ssure transd | lucer 1 | requir | es no external _l | power ? | |
| | (A) | Capacitive trans | duce | ſ | (B) | Piez | o electric transc | ducer | |
| | (C) | Photo electric tr | ansdu | ıcer | (D) | LVD | T | | |
| 56. | The | amount of fluid tl | nat flo | ws past a g | iven p | oint i | in a definite per | riod of t | ime is : |
| | (A) | Rate of flow | (B) | Differentia | ıl flow | (C) | Total flow | (D) | None of these |
| 57. | Whi | ch of the followin | g is n | ot a restricti | ion in | a pip | e for flow instr | ument ? | |
| | (A) | Piston | (B) | Orifice pla | ite | (C) | Nozzle | (D) | Segmental plate |
| 58. | The | unit of viscosity i | s | | | | | | |
| | (A) | Newton | (B) | Centipoise | <u>}</u> | (C) | Dyne | (D) | Kilogram |
| 59. | In a | flow meter, the p | ressui | e is minimu | ım at | : | | | |
| | (A) | Vena Contracta | (B) | Pitot tube | | (C) | Orifice | (D) | None of these |
| 60. | The | volume of gas va | ries _ | | with t | empe | rature and | | with pressure. |
| | (A) | Inversely, Direct | ly | | (B) | Inve | rsely, Inversely | | |
| | (C) | Directly, inverse | ly | | (D) | Dire | ctly, Directly | | |
| 61. | The | fluid flows | | inside a ro | tamet | er for | flow measuren | nent. | |
| | (A) | Vertically down | ward | S | (B) | Vert | ically upwards | | |
| | (C) | Horizontally | | | (D) | Incli | ned | | |

| | * * 1111 | ch of the followi | ing is in | ot a mode o | 1 Hea | t trans | | | |
|--------------|-----------------------------|---|----------------|--------------------------|-------------------------------|----------------------------------|--|----------|------------|
| | (A) | Conduction | (B) | Radiation | | (C) | Convection | (D) | Insulation |
| 63. | The | boiling point an | d freez | zing point of | wate | er are | used as fixed p | oints in | |
| | of te | emperature meas | sureme | nt. | | | | | |
| | (A) | Centigrade sca | le | | (B) | Fahr | enheit scale | | |
| | (C) | Both (A) and (| B) | | (D) | Non | e of these | | |
| 64. | In R | ankine scale the | freezir | ng point of v | vater | is at : | | | |
| | (A) | 671°R | (B) | 459°R | | (C) | 471°R | (D) | 491°R |
| 65. | Liqu | uid filled thermo | meter v | works on the | e prin | ciple o | of: | | |
| | (A) | Thermal Cond | uction | | (B) | Char | nge in pressure | | |
| | (C) | Thermal expar | nsion | | (D) | Non | e of these | | |
| | | | | | , , | | | | |
| 66. | The | most commonly | used g | gas in vapou | r pres | ssure t | | : | |
| 56. | The (A) | most commonly Helium | used § | gas in vapou Hydrogen | | ssure t | | : (D) | Oxygen |
| | (A) | | (B) | Hydrogen | | (C) | thermometer is Nitrogen | (D) | Oxygen |
| | (A) | Helium | (B) | Hydrogen | | (C) | thermometer is Nitrogen | (D) | Oxygen |
| | (A) | Helium n automatic cont | (B) | Hydrogen | of the | (C) follow | thermometer is Nitrogen wing is not used | (D) | Oxygen |
| 67. | (A) In an (A) (C) | Helium n automatic cont Error detector | (B) | Hydrogen tem, which | of the (B) (D) | (C) follow Final Osci | thermometer is Nitrogen wing is not used I control elemen | (D) | Oxygen |
| 666. 667. | (A) In an (A) (C) | Helium n automatic cont Error detector Sensor | (B) | Hydrogen tem, which | of the (B) (D) | (C) follow Fina Osci | thermometer is Nitrogen wing is not used I control elemen | (D) | Oxygen |
| 67. | (A) In an (A) (C) Which | Helium n automatic cont Error detector Sensor ch of the followi | (B) | Hydrogen tem, which | of the (B) (D) ntrol | (C) follow Final Osci eleme Cont | thermometer is Nitrogen wing is not used I control elemen Ilator ant ? | (D) | |
| 67. | (A) In an (A) (C) Which (A) | Helium n automatic cont Error detector Sensor ch of the followi Potentiometer Servo motor | (B) rol sys | Hydrogen tem, which | of the (B) (D) ntrol (B) (D) | (C) follow Final Osci eleme Cont | thermometer is Nitrogen wing is not used I control element Illator ent? trol Valve tropheumatic con | (D) | |

| 70. | In an open loop control system, the output is | | | | | | | | | |
|-----|---|---------------------|---------|----------------|-------|---------|-------------------|--------|------------------|--|
| | (A) | Independent of | contr | ol input | | | | | | |
| | (B) | Dependent of o | control | input | | | | | | |
| | (C) | Independent of | f syste | m parameters | | | | | | |
| | (D) | None of these | | | | | | | | |
| 71. | Whi | ch type of the fol | llowin | g thermocoup | les i | s the l | least expensive ? | • | | |
| | (A) | K-type | (B) | B-type | | (C) | T-type | (D) | J-type | |
| 72. | RTD | has | temp | erature coeffi | cien | t. | | | | |
| | (A) | No | (B) | Negative | | (C) | Positive | (D) | All of these | |
| 73. | For | measuring the sp | ecific | gravity of mil | k _ | | is commonl | y used | | |
| | (A) | Gluco meter | (B) | Lactometer | | (C) | Manometer | (D) | Pyrometer | |
| 74. | PID | stands for | | | | | | | | |
| | (A) | Piping and Ins | trumer | nt Design | | | | | | |
| | (B) | Piping and Ins | trumei | nt Drawing | | | | | | |
| | (C) | Process control | and I | nstrumentatio | n D | rawir | ıg | | | |
| | (D) | Proportional, In | ntegral | and Derivati | ve c | contro | 1 | | | |
| 75. | The | program for a P | LC is | entered using | | | · | | | |
| | (A) | С | | (| (B) | C++ | - | | | |
| | (C) | Assembly lang | uage | (| D) | Rela | y Ladder logic p | rogran | nming | |
| 76. | Whi | ch of the following | ng are | fluid ? | | | | | | |
| | (A) | Gases | | (| (B) | Liqu | ids | | | |
| | (C) | Both (A) and (I | B) | (| D) | None | e of these | | | |
| A | | | | | 11 | | | | 123/20 {P.T.C | |

| 77. | Which of the following are graphic recorder? | | | | | | | | | | |
|------------|--|-----------------------------|--------------|---------------|--------|------------------------------|-----------------------|---------|----------------|--|--|
| | (A) | Strip chart | (B) | Circular cl | nart | (C) | Both (A) and (E | B) (D) | None of these | | |
| | | | | | | | | | | | |
| 78. | At C | onstant Pressure | Volu | me of gas _ | | f | or equal increase | e in te | mperature. | | |
| | (A) | Decreases | | | (B) | Incre | eases | | | | |
| | (C) | Remains constan | nt | | (D) | None | e of these | | | | |
| 79. | Nuta | ting disc type flo | ow me | eters are | | | | | | | |
| | (A) | Quantity flow m | neter | | (B) | Diffe | erential type flow | mete | r | | |
| | (C) | Velocity type flo | w me | ter | (D) | Meas | suring pump | | | | |
| | | | | | | | | | | | |
| 80. | The i | instrument used f | or me | easuring bloo | od pre | | | | | | |
| | (A) | Gluco meter | | | (B) | Well | type manometer | r | | | |
| | (C) | C) 'U' Tube manometer | | | | | gmomanometer | | | | |
| 81. | Prad | han Manthri Jan | Dhan | Yojana (PM | IJDY) | launc | ched by the Prim | ne Min | ister on : | | |
| | (A) | 28 th August 201 | 4 | | (B) | 30 th August 2014 | | | | | |
| | (C) | 24 th August 201 | 5 | | (D) | 30 th | August 2015 | | | | |
| 82. | Chie | f Election Commi | ssione | er is elected | by · | | | | | | |
| 02. | (A) | | (B) | Parliament | , | (C) | President | (D) | None of these | | |
| | (11) | Time windser | (D) | Turnument | • | (0) | Tesiacit | (D) | TVOIC OF LICSC | | |
| 83. | 'In T | he Cause of The l | People | e' - Whose a | utobio | ograp | hy is this? | | | | |
| | (A) | P. Krishnapillai | (B) | A.K. Gopa | lan | (C) | C. Kesavan | (D) | G.P. Pillai | | |
| 0.4 | TA71 | asid this "I am | 4 1 - | | o 6: | | fana saas 1.:11 atlas | · "" 2 | | | |
| 84. | | said this - "I am | me ie | auer ; snoot | | | • | ers : | | | |
| | (A) | Anna Chandy | | | (B) | · | | | | | |
| | (C) | Arya Pallam | | | (D) | Lalit | ha prabhu | | | | |

| 85. | The Newspaper 'Prabhatam' was started by: | | | | | | | | | | |
|-----|--|---|-----|----------|-----|------|-----------------|-------|---------|---|--|
| | (A) | C.V. Kunhirama | an | | (B) | K.P. | Kesava Menon | | | | |
| | (C) | EMS | | | (D) | Kan | dathil Varghese | Mappi | ila | | |
| 86. | Name the Dalit religious Protest Movement founded by Poikayil Yohannan: | | | | | | | | | | |
| | (A) | (A) Vaala Samudaya Parishkarani Sabha | | | | | | | | | |
| | (B) |) Samathva Samajam | | | | | | | | | |
| | (C) | Sadhu Jana Paripalana Sangham | | | | | | | | | |
| | (D) | 9) Prathyaksha Raksha Daiva Sabha | | | | | | | | | |
| 87. | Purc | Purogamana Sahitya Prasthanam was formed on : | | | | | | | | | |
| | (A) | 1980 | (B) | 1985 | | (C) | 1991 | (D) | 1981 | | |
| 88. | Which University has been ranked as the best University in 2017? | | | | | | | | | | |
| | (A) |) Stanford University | | | | | | | | | |
| | (B) | Harvard University | | | | | | | | | |
| | (C) | Massachusetts Institute of Technology | | | | | | | | | |
| | (D) | None of these | | | | | | | | | |
| 89. | With which country's collaboration India is being constructed Bullet Train Project? | | | | | | | | | | |
| | (A) | Singapore | (B) | Malaysia | | (C) | China | (D) | Japan | | |
| 90. | Name the state which has been announced Pension Scheme for journalists recently: | | | | | | | | | | |
| | (A) | Sikkim | (B) | Punjab | | (C) | Maharashtra | (D) | Haryana | | |
| 91. | Name the central scheme which aims to provide self employment to learned jobless youth and women : | | | | | | | | | h | |
| | (A) |) Prime Minister Rozgar Yojana | | | | | | | | | |
| | (B) | B) Anthyodaya Anna Yojana | | | | | | | | | |
| | (C) | Valmiki Ambedkar Awas Yojana | | | | | | | | | |
| | (D) |) Rashtriya Swasthya Bima Yojana | | | | | | | | | |
| A | | | | | 13 | | | | 123/201 | 7 | |

| 92. | Who declares Financial Emergency? | | | | | | | | | | |
|------|--|-------------------|----------|-----------|---------------|-----------------|--------------|-----|---------------|--|--|
| | (A) | President | | | (B) | Prim | e Minister | | | | |
| | (C) | Finance Ministe | r | | (D) | Non | e of these | | | | |
| 93. | Who praised Mannathu Padmanabhan as 'Madan Mohan Malaviya of Kerala' ? | | | | | | | | | | |
| | (A) Irfan Habib | | | (B) | K.M. Panikker | | | | | | |
| | (C) | Rajan Gurukkal | l | | (D) | A.L. | Basham | | | | |
| 94. | The newspaper Mathrubhumi was started in the year : | | | | | | | | | | |
| | (A) | 1925 | (B) | 1923 | | (C) | 1930 | (D) | 1932 | | |
| 95. | Yachana Yathra (1931) was led by : | | | | | | | | | | |
| | (A) Vagbhadananda | | | | (B) | K. Kelappan | | | | | |
| | (C) | V.T. Bhattathiri | pad | | (D) | Saho | daran Ayyapa | n | | | |
| 96. | The first women player of Latvian origin who got the 2017 French Open Women's Singles Crown: | | | | | | | | | | |
| | (A) | Venus Williams | | | (B) | Simona Halep | | | | | |
| | (C) | Serena Williams | 6 | | (D) | Jeler | a Ostapenko | | | | |
| 97. | Which is the largest women empowering project in India? | | | | | | | | | | |
| | (A) | Kudumbasree | (B) | Ashraya | | (C) | Snehitha | (D) | Sabala Scheme | | |
| 98. | Who is known as 'Lincoln of Kerala' ? | | | | | | | | | | |
| | (A) | A) Makthi Thangal | | | (B) | Pandit Karuppan | | | | | |
| | (C) | T.K. Madhavan | <u>.</u> | | (D) | K.P. | Kesava Menon | L | | | |
| 99. | The Venue of Paliyam Satyagraha of 1948 was : | | | | | | | | | | |
| | (A) | Travancore | | | (B) | Kochi | | | | | |
| | (C) | Chennamangal | am | | (D) | Kolle | om | | | | |
| 100. | Name the constitutional organ which has the power to amend constitution of India: | | | | | | | | | | |
| | (A) | Parliament | (B) | Judiciary | | (C) | Executive | (D) | Legislative | | |
| | | | | | - 0 0 4 | n - | | | | | |

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