## PSC Inspector Of Factories And Boilers Grade II - Factories And Boilers Examination Previous Year Question Paper

Exam Name: Inspector Of Factories And Boilers Grade II - Factories And Boilers

Date of Test: 19.04.2016

Question Paper Code: 053/2016

Medium of Questions: English



## 053/2016

Maximum: 100 marks

Time: 1 hour and 15 minutes

| 1. | A steel bar 10 mm × 10 mm cross section is subjected to an axial tensile load of 20 kN. If the |
|----|--|
|    | length of bar is 1 m and $E = 200$ GPa, then elongation of the bar is:                         |

(A) 1 mm

(B) 0.5 mm

(C) 0.75 mm

(D) 1.5 mm

The modulus of rigidity and poisson's ratio of a material are 80GPa and 0.3 respectively, Its youngs modulus will be:

(A) 160 GPa

(B) 208 GPa

(C) 120 GPa

(D) 104 GPa

3. The equivalent torque on a shaft, when it is subjected to bending moment M and torque T is :

(A) M+T

(B)  $(M^2 + T^2)^{1/2}$ 

(C)  $0.5(M^2 + T^2)^{1/2}$ 

(D)  $0.5 M + (M^2 + T^2)^{1/2}$ 

4. If the value of poisson's ratio is zero, then it means that:

(A) the lateral strain is high

(B) the material is perfectly plastic

(C) there is no linear strain in the material

(D) none of these

5. The outside diameter of a hollow shaft is twice its inside diameter. The ratio of its torque carrying capacity to that of solid shaft of same material and same outside diameter is:

(A) 3/4

(B) 1/2

(C) 15/16

(D) 1/16

6. Two shafts are made of the same material. The diameter of first is twice that of second. The ratio of power which can be transmitted by first shaft and second is

(A) 1/2

(B) 1/4

(C) 1/8

(D) 1/16

7. A solid shaft is subjected to a bending moment and twisting moment of 3 kNm and 4 kNm respectively. The equivalent bending moment is:

3

(A) 4 kNm

(B) 3 kNm

(C) 3.5 kNm

(D) 4.5 kNm

A

[P.T.O.]

| 8.   | The buck   | ing load is maximun                             |                            |                                      |     |  |  |  |  |
|------|--|---|----------------------------|--------------------------------------|-----|--|--|--|--|
|      | (A) one end of the column is fixed and the other end is free |   |                            |                                      |     |  |  |  |  |
|      | (B)  | (B) both ends of the column are hinged          |                            |                                      |     |  |  |  |  |
|      | (C)  | both ends of the col                            | umn are fixed              |                                      |     |  |  |  |  |
|      | (D)  | one end of the colu                             | mn is hinged and other     | end is free                          |     |  |  |  |  |
| 9.   |  | ling load for a colu                            | mn hinged at both end      | s is 15 kN. If the ends are fixed, t | he  |  |  |  |  |
|      | (A)  | 60 kN   | (B)                        | 30 kN                                |     |  |  |  |  |
|      | (C)  | 45 kN   | (D)                        | 3.75 kN                              |     |  |  |  |  |
| 10.  | The Euler  | s's load for a column                           | is 1 MN and crushing lo    | ad is 1.5 MN. The Rankine load is:   |     |  |  |  |  |
|      | (A)  | 1 MN  | (B)                        | 0.6 MN                               |     |  |  |  |  |
|      | (C)  | 1.5 MN  | (D)                        | 2.5 MN                               |     |  |  |  |  |
| 11.  |  | e of bending momer<br>d load over its length    |                            | m cantilever beam carrying uniform   | ıly |  |  |  |  |
|      | (A)  | a hyperbola                                     | (B)                        | a straight line                      |     |  |  |  |  |
|      | (C)  | an ellipse                                      | (D)                        | a parabola                           |     |  |  |  |  |
| 12.  | Steady flo   | w occurs when:                                  |                            |                                      |     |  |  |  |  |
|      | (A)  | velocity does not ch                            | ange                       |                                      |     |  |  |  |  |
|      | (B)  | pressure does not c                             | hange                      |                                      |     |  |  |  |  |
|      | (C)  | conditions change g                             | gradually with time        |                                      |     |  |  |  |  |
|      | (D)  | conditions do not cl                            | nange with time at any I   | point                                |     |  |  |  |  |
| 13.  |  | of centre of pressur<br>e side in line with fre |                            | of 3m deep fully immersed in a liqu  | uid |  |  |  |  |
|      | (A)  | 1m  | (B)                        | 1.5m                                 |     |  |  |  |  |
|      | (C)  | 2m  | (D)                        | 2.5m                                 |     |  |  |  |  |
| 14.  | The press  | ure in metres of oil (s                         | specific gravity 0.85) equ | uivalent to 85 metres of water is:   |     |  |  |  |  |
|      | (A)  | 100 m   | (B)                        | 85 m                                 |     |  |  |  |  |
|      | (C)  | 8.5 m   | (D)                        | none of the above                    |     |  |  |  |  |
| 15.  | Pressure   | in P <mark>ascal at a depth</mark> o            | of 1 m below the free sur  | rface of water will be:              |     |  |  |  |  |
|      | (A)  | 1 pa  | (B)                        | 9810 Pa                              |     |  |  |  |  |
|      | (C)  | 98.1 Pa   | (D)                        | 981 Pa                               |     |  |  |  |  |
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| 16. | Rain drop  | os are spherical because of :  |             |  |
|-----|------------|--|-------------|--|
|     | (A)        | viscosity  | (B)         | air resistance                           |
|     | (C)        | surface tension  | (D)         | atmospheric pressure                     |
| 17. | In a mul   | tiple disc clutch, if $n_1$ and $n_2$ are                                  | e number    | of discs on driving and driven shaft     |
|     | respective | ely, then number of pairs of contact                                       | t surface v | vill be:                                 |
|     | (A)        | $n_1 + n_2 - 1$  | · (B)       | $n_1 + n_2 + 1$                          |
|     | (C)        | $n_1 + n_2$  | (D)         | $(n_1 + n_2)/2$                          |
| 18. |            | eel of moment of inertia 9.8 kgm² fl<br>es. The mean speed of the flywheel |             | by 30 rpm for a fluctuation in energy of |
|     | (A)        | 900 rpm  | (B)         | 600 rpm                                  |
|     | (C)        | 936 rpm  | (D)         | 1200 rpm                                 |
| 19. | The stud   | bolt is:   |             | 6  |
|     | (A)        | thread on both ends  | (B)         | thread on one end without head           |
|     | (C)        | thread on one end with head  | (D)         | none of the above                        |
| 20. | The prod   | uct of moment of inertia and angul   |             |  |
|     | (A)        | angular torque   | (B)         | kinetic energy                           |
|     | (C)        | angular momentum   | (D)         | none of the above                        |
| 21. | In the cas | se of flat pivot bearing the rubbing                                       |             |  |
|     | (A)        | maximum at the centre of the con   |             |  |
|     | (B)        | zero at the centre and maximum   |             | er radius                                |
|     | (C)        | uniform throughout the contact a   | irea        |  |
|     | (D)        | zero at the outer radius   |             |  |
| 22. |            |  |             | vot bearing for uniform pressure is:     |
|     |            | μWR  |             | $1/3 \mu WR$                             |
|     | (C)        | $2/3 \mu WR$   | (D)         | $1/2 \mu WR$                             |
| 23. | Which of   | the following is an example of frict                                       | ion clutch  | ?  |
|     | (A)        | disc   | (B)         | cone                                     |
|     | (C)        | plate  | (D)         | all of the above                         |
| 24. | The mode   | ale is defined as the ratio of:  |             |  |
|     | (A)        | number of teeth to the pitch circl   |             | r  |
|     | (B)        | pitch circle diameter to number of   |             |  |
|     | (C)        | circumference of the pitch circle  | to number   | of teeth                                 |
|     | (D)        | none of the above  |             |  |
|     |            |  |             | 0504004                                  |

| 25.  | The prod                              | uct of module and diametral pitch is eq  | ual to |   |
|------|---------------------------------------|--|--------|---|
|      | (A)                                   | π  | (B)    | $\pi/2$   |
|      | (C)                                   | 1.0  | (D)    | $2\pi$  |
| 26.  |                                       |  | ircle, | which rolls without slipping on a fixed   |
|      |                                       | ine is known as:   |        |   |
|      | (A)                                   | cycloid  | (B)    | involute  |
|      | (C)                                   | epicycloid   | (D)    | hypocycloid   |
| 27.  |                                       | e axes of the first and last wheels of a<br>nown as:                                 | com    | pound gear train are co axial, then the   |
|      | (A)                                   | non reverted gear train  | (B)    | epicyclic gear train  |
|      | (C)                                   | reverted gear train  | (D)    | none of the above   |
| 28.  | The follow                            | ver of a cam has:  |        |   |
|      | (A)                                   | uniform acceleration and retardation   | (B)    | cycloidal motion  |
|      | (C)                                   | simple harmonic motion   | (D)    | any one of the above  |
| 29.  | Which on                              | e the following is a spring loaded gover   | nor?   |   |
|      | (A)                                   | Proell governor  | (B)    | Porter governor   |
|      | (C)                                   | Watt governor  | (D)    | Hartnell governor   |
| 30.  | If the rota<br>mean rad<br>speed will | ius is half mean radius of the former,   | tribut | ted on another rim type flywheel whose<br>energy stored in the latter at the same |
|      | (A)                                   | 4 times the first  | (B)    | same as the first   |
|      | (C)                                   | one-fourth of the first  | (D)    | half of the first.  |
| 31.  |                                       | is 20 mm? The plate thickness is   | 10 m   | joint whose pitch is 50 mm and rivet<br>im and permissible tensile stress is      |
|      | (C)                                   | 12 kN  | (B)    | 24 kN   |
|      | (0)                                   | 12 KIN   | (D)    | none of the above   |
| 32.  | For a sing<br>100 mm. I               | gle v but weld joint the effective throa<br>f the safe stress is 120 N/mm², the perr | t thic | kness is 10 mm and length of weld is<br>de load is equal to:                      |
|      | (A)                                   | 100 kN   | (B)    | 120 kN  |
|      | (C)                                   | 60 kN  | (D)    | none of the above   |
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| 33. | The tende  | ency of knocking i  | in CI Engines is a | reduced by          |                               |
|-----|------------|---------------------|--------------------|---------------------|-------------------------------|
|     | (A)        | high self- ignition | on temperature o   | of fuel             |                               |
|     | (B)        | injection of fuel   | just before TDC    |                     |                               |
|     | (C)        | decrease in inje    | ction pressure     |                     |                               |
|     | (D)        | decrease in cool    | ing water tempe    | rature              |                               |
| 34. | Pelton wh  | neel is used in the | se places where    |                     |                               |
|     | (A)        | high head and l     | ow discharge are   | available           |                               |
|     | (B)        | low head and h      | igh discharge are  | available           |                               |
|     | (C)        | high head and l     | nigh discharge ar  | e available         |                               |
|     | (D)        | none of the abo     | ve                 |                     |                               |
| 35. | Francis to | urbine is a :       |                    |                     |                               |
|     | (A)        | radial flow turb    | oine               | (B)                 | axial flow turbine            |
|     | (C)        | mixed flow turb     | pine               | (D)                 | inward flow radial turbine    |
| 36. | Diesel cyc | ele consists of :   |                    |                     |                               |
|     | (A)        | two adiabatic a     | nd two constant    | volume pro          | cesses                        |
|     | (B)        |                     | nd two constant    | and a second second | -                             |
|     | (C)        |                     |                    |                     | constant pressure processes   |
|     | (D)        | two isothermal,     | one constant pre   | essure and          | one constant volume processes |
| 37. | One ton r  | efrigeration is eq  | ual to:            |                     |                               |
|     | (A)        | 210 kJ/min          |                    | (B)                 | 110 kJ/min                    |
|     | (C)        | 50kJ/min            |                    | (D)                 | none of the above             |
| 38. | In sensibl | e cooling process   | the relative hum   |                     |                               |
|     | (A)        | decreases           |                    | (B)                 | increases                     |
|     | (C)        | remains consta      | nt                 | (D)                 | none of the above             |
| 39. | In psychr  | ometric chart, de   | w point tempera    | ture lines a        | re:                           |
|     | (A)        | horizontal          |                    |                     |                               |
|     | (B)        | vertical            |                    |                     |                               |
|     | (C)        | curved              |                    |                     |                               |
|     | (D)        | straight lines s    | lopping downwar    | ds to the ri        | ght                           |
| 40. | The basic  | law of heat cond    | uction is:         |                     |                               |
|     | (A)        | Fourier's law       |                    | (B)                 | Newton's law                  |
|     | (C)        | Stefan' law         |                    | (D)                 | First law of thermodynamics   |
| A   |            |                     |                    | 7                   | 053/2016<br>[P.T.O.]          |

| 41.  | If a body                         | reflects all radiations inci                        | dent on it, then it i  | s known as :   |                 |
|------|-----------------------------------|---|--|--|-----------------|
|      | (A)                               | black body  | (B)  | grey body  |                 |
|      | (C)                               | white body  | (D)  | opaque body  |                 |
| 42.  | A steel b                         | oall of mass 1 kg and spo                           | ecific heat 0.4 KJ/  | kg is at a temperature of 60° (                                | C. It i         |
|      |                                   |   |  | tate temperature of water is:                                  |                 |
|      | (A)                               | 23.5° C   | (B)  | 35° C  | 100             |
|      | (C)                               | 32.5° C   | (D)  | 40°C   |                 |
| 43.  | The ratio<br>in the sa<br>called: | of actual mass water vap<br>me mass of dry air when | our in a unit mass<br>it is saturated at   | of dry air to the mass of water the same temperature and press | vapou<br>sure i |
|      | (A)                               | humidity ratio                                      | (B)  | relative humidity  |                 |
|      | (C)                               | absolute humidity                                   | (D)  | degree of saturation   |                 |
|      |                                   |   |  | aspect of basactation  |                 |
| 44.  | In psychr                         | ometric chart, specific hur                         | nidity lines are :   |  |                 |
|      | (A)                               | Vertical  | (B)  | Horizontal   |                 |
|      | (C)                               | Inclined  | (D)  | Curved lines   |                 |
| 45.  | The octan                         | e number of petrol genera                           | lly available is :   |  |                 |
|      | (A)                               | 20 to 40  | (B)  | 40 to 60   |                 |
|      | (C)                               | 80 to 100   | (D)  | 100 to 120   |                 |
| 46.  | The specif                        | fic fuel consumption is def                         | ined as:   |  |                 |
|      | (A)                               | fuel consumption per bra                            |  |  |                 |
|      | (B)                               | fuel consumption per hou                            |  |  |                 |
|      | (C)                               | fuel consumption per hou                            |  |  |                 |
|      | (D)                               | fuel consumption per ind                            | A STATE OF THE PARTY OF THE PAR |  |                 |
| 47.  | For a four                        | cylinder in line internal c                         | ombustion engine.  | the most popular firing order is :                             |                 |
|      | (A)                               | 1-4-3-2   | (B)  | 1-2-3-4  |                 |
|      | (C)                               | 1-2-4-3   | (D)  | 1-3-4-2  |                 |
| 48.  | The brake                         | power of an IC Engine ha                            | ving speed 1200 rr   | om with torque 15 Nm is:                                       |                 |
|      | (A)                               | 300 π watts   | (B)  | 450 π watts  |                 |
|      | (C)                               | 150 π watts   | (D)  | 600 π watts  |                 |
| 10   | Duonanta                          |   |  |  |                 |
| 49.  |                                   | f materials due to which t                          |  |  |                 |
|      | (A)<br>(C)                        | elasticity  | (B)  | plasticity   |                 |
|      |                                   | ductility   | (D)  | stiffness  |                 |
| 053/ | 2016                              |   | 8  |  | A               |
|      |                                   |   |  |  |                 |

| 50. | Property ( | of cast iron is:                            |             |                                     |
|-----|------------|---|-------------|-------------------------------------|
|     | (A)        | good wear resistance                        | (B)         | good casting characteristic         |
|     | (C)        | good machinability                          | (D)         | all of these                        |
| 51. | Iron carbo | on equilibrium diagram :                    |             |                                     |
|     | (A)        | indicates the phase changes occur           | ring duri   | ng heating and cooling              |
|     | (B)        | correlates the microstructure and           | propertie   | es of steel and cast iron           |
|     | (C)        | is made by plotting carbon percen           | tage and    | temperature                         |
|     | (D)        | all of these                                |             |                                     |
| 52. | A space la | attice found in $\alpha$ - iron is called : |             |                                     |
|     | (A)        | body centered cubic space lattice           | *           |                                     |
|     | (B)        | face centered cubic space lattice.          |             |                                     |
|     | (C)        | close packed hexagonal space latt           | ice         |                                     |
|     | (D)        | none of these                               |             |                                     |
| 53. | In a unit  | cell of face centered cubic space latt      | tice the to | tal number of atoms :               |
|     | (A)        | 9   | (B)         | 14                                  |
|     | (C)        | 6   | (D)         | 24                                  |
| 54. | Draft on   | pattern for casting is:                     |             |                                     |
|     | (A)        | shrinkage allowance                         |             |                                     |
|     | (B)        | identification number                       |             |                                     |
|     | (C)        | for machining allowance                     |             |                                     |
|     | (D)        | taper to facilitate its removal from        | n mould     |                                     |
| 55. | Cores are  | used to:                                    |             |                                     |
|     | (A)        | make desired recess in castings             | (B)         | strengthen moulding sand            |
|     | (C)        | support loose pieces                        | (D)         | remove pattern easily               |
| 56. | The purp   | ose of chaplets is to:                      |             |                                     |
|     | (A)        | induce directional solidification           | (B)         | compensate shrinkage                |
|     | (C)        | provide bending                             | (D)         | support the core                    |
| 57. | Seam we    | lding is a :                                |             |                                     |
|     | (A)        | arc welding process                         | (B)         | multi spot welding process          |
| **  | (C)        | continuous spot welding process             | (D)         | process used for joining round bars |
| A   |            | 9   | ,           | 053/2016                            |
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| 58.  | The consu  | ımable electrode is used in :      |                 |  |   |
|------|------------|------------------------------------|-----------------|--|---|
|      | (A)        | carbon arc welding                 | (B)             | MIG welding                              |   |
|      | (C)        | TIG welding                        | (D)             | thermit welding                          |   |
| 59.  | The algeb  | raic difference between the maxi   | mum limit a     | and basic size is called :               |   |
|      | (A)        | upper deviation                    | (B)             | lower deviation                          |   |
|      | (C)        | actual deviation                   | (D)             | mean deviation                           |   |
| 60.  | Phosphor   | bronze has :                       |                 |  |   |
|      | (A)        | high resistance to corrosion       |                 |  |   |
|      | . (B)      | good wearing qualities and high    | h elasticity    |  |   |
|      | (C)        | valuable cold working property     |                 |  |   |
|      | (D)        | all the above                      |                 |  |   |
| 61.  | The draw   | ing down is a process of :         |                 |  |   |
|      | (A)        | increasing the cross section of a  | bar             |  |   |
|      | (B)        | reducing the cross section of a l  | oar             |  |   |
|      | (C)        | joining the two surfaces of meta   | al under pre    | ssure after heating                      |   |
|      | (D)        | bending of a bar                   |                 |  |   |
| 62.  | In orthogo | onal cutting system the:           |                 |  |   |
|      | (A)        | cutting tool prepares a surface    | parallel to the | he work face                             |   |
|      | (B)        | chip flows over the tool face and  | d direction o   | f the chip flow velocity is normal to th | 6 |
|      | (C)        | maximum chip thickness occur       | s at the mid    | dle                                      |   |
|      | (D)        | all of these                       |                 |  |   |
| 63.  | Continuo   | us chips are formed during mach    | ining of:       |  |   |
|      | (A)        | cast iron                          | (B)             | aluminium                                |   |
| 1    | (C)        | mild steel                         | (D)             | none of these                            |   |
| 64.  | The surfa  | ce finish is improved by the incre | ease in :       |  |   |
|      | (A)        | cutting speed                      | (B)             | nose radius                              |   |
|      | (C)        | true rake angle                    | (D)             | all of these                             |   |
| 65.  | In break   | even analysis, total cost consists | of:             |  |   |
|      | (A)        | fixed cost + sales revenue         | (B)             | variable cost + sales revenue            |   |
|      | (C)        | fixed cost + variable cost         | (D)             | fixed cost+ variable cost + profit       |   |
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| 66.   | PERT sta    | nds for :                               |           |                                   |
|---|-------------|---|-----------|-----------------------------------|
| (A) Programme Estimation and Reporting Techniques |             |   | hniques   |                                   |
|   | (B)         | Process Estimation and Review Te        | chnique   |                                   |
|   | (C)         | Programme Evaluation and Review         | v Techni  | que                               |
|   | (D)         | Planning Estimation and Resulting       | Techni    | que                               |
| 67.   | The simp    | lex method is the basic method for:     |           |                                   |
|   | (A)         | queing theory                           | (B)       | linear programming                |
|   | (C)         | net work analysis                       | (D)       | none of the above                 |
| 68.   | EOQ star    | nds for :                               |           |                                   |
|   | (A)         | Economic Order Quantity                 | (B)       | Elimination of Quality Inspection |
|   | (C)         | Elements of Quality Control             | (D)       | End of Quality Inspection Change  |
| 69.   | The syste   | m of working known as functional or     | ganisati  | on was introduced by :            |
|   | (A)         | Newton                                  | (B)       | F.W. Taylor                       |
|   | (C)         | Gilberth                                | (D)       | None of the above                 |
| 70.   | Line orga   | nisation is also known as :             |           |                                   |
|   | (A)         | functional organisation                 | (B)       | military organisation             |
|   | (C)         | staff and functional organisation       | (D)       | none of the above                 |
| 71.   | For civil e | engineering construction, the following | ng type o | of organisation is preferred :    |
|   | (A)         | line organisation                       | (B)       | functional organisation           |
|   | (C)         | line and staff organisation             | (D)       | none of the above                 |
| 72.   | Slack rep   | resents the difference between the :    |           |                                   |
|   | (A)         | normal expected time and earliest       | completi  | on time                           |
|   | (B)         | latest allowable time and normal e      | xpected   | time                              |
|   | (C)         | latest allowable time and earliest e    | xpected   | time                              |
|   | (D)         | earliest completion time and norma      | al expect | ed time                           |
| 73.   | In the net  | work diagram :                          |           |                                   |
|   | (A)         | an activity and an event are repres     | ented by  | a circle                          |
|   | (B)         | an activity and an event are repres     | ented by  | an arrow                          |
|   | (C)         | an activity is represented by a circl   | e and ev  | ent by an arrow                   |

(D) an activity is represented by an arrow and event by a circle

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| 74. | ABC anal   | ysis:                          |                    |                                   |  |  |  |
|-----|--|--------------------------------|--------------------|-----------------------------------|--|--|--|
|     | (A) is meant for relative inventory control                |                                |                    |                                   |  |  |  |
|     | (B)  |                                |                    |                                   |  |  |  |
|     | (C)  | does not depend upon the u     | mit cost of the it | tem but on its annual consumption |  |  |  |
|     | (D)  | all of the above               |                    |                                   |  |  |  |
| 75. | Product la   | ayout is suited for :          |                    |                                   |  |  |  |
|     | (A)  | mass production                | (B)                | job production                    |  |  |  |
|     | (C)  | batch production               | (D)                | none of the above                 |  |  |  |
| 76. | Gantt cha  | rt is used for :               |                    |                                   |  |  |  |
|     | (A)  | inventory control              | (B)                | production schedule               |  |  |  |
|     | (C)  | material handling              | (D)                | all the above                     |  |  |  |
| 77. | The main   | objective of work measureme    | ent is to:         |                                   |  |  |  |
|     | (A)  | plan and schedule of produc    | ction              |                                   |  |  |  |
|     | (B)  | estimate the selling prices    | and delivery dat   | es                                |  |  |  |
|     | (C)  | formulate a proper incentiv    | re scheme          |                                   |  |  |  |
|     | (D)  | all of the above               |                    | * * *                             |  |  |  |
| 78. | The time   | taken for the job from its arr | ival to the syste  | m until its departure is          |  |  |  |
|     | (A)  | completion time                | (B)                | flow time                         |  |  |  |
|     | (C)  | due date                       | (D)                | processing time                   |  |  |  |
| 79. | In ABC analysis, the C items are those which represents    |                                |                    |                                   |  |  |  |
|     | (A) small percentage of the total annual consumption value |                                |                    |                                   |  |  |  |
|     | (B) high percentage of the total annual consumption value  |                                |                    |                                   |  |  |  |
|     | (C) small percentage of closing inventory value            |                                |                    |                                   |  |  |  |
|     | (D)  | high percentage of closing i   | nventory value     |                                   |  |  |  |
| 80. | If EOQ is  | within the range of the lower  | st discounted ra   | te offered, then                  |  |  |  |
|     | (A)  | accept the discount offer an   | d order for the r  | ninimum in the range              |  |  |  |
|     | (B)  |                                | ne ranges of disc  | count before taking the decision  |  |  |  |
|     | (C)  | reject the discount offer      |                    |                                   |  |  |  |
|     | (D)  | accept the discount offer an   | d order at EOQ     | level                             |  |  |  |
| 81. | The Ninth  | schedule was added to Cons     | titution of India  | in:                               |  |  |  |
|     | (A)  | 1951                           | (B)                | 1959                              |  |  |  |
|     | (C)  | 1975                           | (D)                | 1976                              |  |  |  |
|     |  |                                |                    |                                   |  |  |  |

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| 82. |            | the committee appointed by co<br>onstitution? | ngress party w  | which proposed the 42nd Amendment of |
|-----|------------|---|-----------------|--------------------------------------|
|     | (A)        | K.C. Pant                                     | (B)             | Y.B. Chavan                          |
|     | (C)        | Sardar Swaran Singh                           | (D)             | P.B. Gajendra Gadkar                 |
| 83. | First Indi | an state to launch Mid day me                 | al programme    | since independence :                 |
|     | (A)        | Kerala  | (B)             | Tamilnadu                            |
|     | (C)        | Punjab  | (D)             | Gujarat                              |
| 84. | Kerala G   | ramin Bank is sponsored by :                  |                 |                                      |
|     | (A)        | State Bank of Travancore                      | (B)             | State Bank of India                  |
|     | (C)        | Punjab National Bank                          | (D)             | Canara Bank                          |
| 85. | City chall | lenge competition is a criterion              | for the progra  | mme namely:                          |
|     | (A)        | Smart City                                    | (B)             | Amrut city                           |
|     | (C)        | JNNURM  | (D)             | PMSRY                                |
| 86. | First nati | on to make corporate social res               | sponsibility ma | andatory:                            |
|     | (A)        | USA   | (B)             | UAE                                  |
|     | (C)        | Venezuela                                     | (D)             | India                                |
| 87. | Who foun   | ded the daily "Al Ameen"?                     |                 |                                      |
|     | (A)        | Vakkom Moulavi                                | (B)             | Mohammed Abdur Rahiman               |
|     | (C)        | Vaikom Muhammad Basheer                       | (D)             | E Moidu Moulavi                      |
| 88. | Founder    | of "Saiva Prakasha Sabha" :                   |                 |                                      |
|     | (A)        | Thaikat Ayyavu                                | (B)             | Ananda Theerthan                     |
|     | (C)        | Chattanbi Swami                               | (D)             | Vaikunda Swami                       |
| 89. | Social ref | ormer who advocated "Aanand                   | a Matham" :     |                                      |
|     | (A)        | Vagbhatanandan                                | (B)             | Karunakara Guru                      |
|     | (C)        | Brahmananda Siva Yogi                         | (D)             | Nataraja Guru                        |
| 90. | Author of  | "Mariamma" Natakam :                          |                 |                                      |
|     | (A)        | Paremmakkal Thomma Kath                       | anar            |                                      |
|     | (B)        | St. Kuriakose Elias Chavara                   | 4               |                                      |
|     | (C)        | Puthankavu mathan Tharaka                     | an              |                                      |
|     | (D)        | Polachirackal Kocheepan Tha                   | arakan          |                                      |
| 91. | Chastity ' | Trial of Nambuthiri women the                 | at prevailed up | to the beginning of 20th century:    |
|     | (A)        | Anyonyam                                      | (B)             | Hiranya Garbham                      |
|     | (C)        | Bhrasht                                       | (D)             | Smartha Vicharam                     |
| A   |            |   | 13              | 053/2016                             |
|     |            |   |                 | [P.T.O.]                             |

| 92.  | Guruvayu    | r temple thrown open to the depressed   | l secti | ons of Hindus in :         |
|------|-------------|---|---------|----------------------------|
|      | (A)         | 1932                                    | (B)     | 1936                       |
|      | (C)         | 1946 -                                  | (D)     | 1947                       |
| 93.  | The histor  | rical fiction of Uroob :                |         |                            |
|      | (A)         | Mindappennu                             | (B)     | Sundarikalum Sundaranmarum |
|      | (C)         | Ummachhu                                | (D)     | Aniyara                    |
| 94.  | "Puthiya    | Manushyan Puthiya Lokam" is a collec    | tion o  | f essays by :              |
|      | (A)         | M. Govindan                             | (B)     | Kuttippuzha Krishna Pillai |
|      | (C)         | Sukumar Azheekode                       | (D)     | M.N. Vijayan               |
| 95.  | Head qua    | rters of Basel Mission in South India : |         |                            |
|      | (A)         | Madras                                  | (B)     | Mangalore                  |
|      | (C)         | Kozhikode                               | (D)     | Mysore                     |
| 96.  | Who direc   | ted the film PK?                        |         |                            |
|      | (A)         | Vidhu Vinod Chopra                      | (B)     | Sanjay Gadhvi              |
|      | (C)         | Rajkumar Hirani                         | (D)     | Bejoy Nambiar              |
| 97.  | The VYAI    | PAM Scam struck in news from the sta    | te of:  |                            |
|      | (A)         | Maharashtra                             | (B)     | Madhya Pradesh             |
|      | (C)         | Haryana                                 | (D)     | Rajasthan                  |
| 98.  | Sundar Pi   | chai from Tamilnadu was designated i    | recent  | ly as the CEO of:          |
|      | (A)         | Samsung                                 | (B)     | Microsoft                  |
|      | (C)         | Motorola                                | (D)     | Google                     |
| 99.  | Internation | onal Students Day is observed on:       |         |                            |
|      | (A)         | 5 September                             | (B)     | 15 October                 |
|      | (C)         | 17 November                             | (D)     | 10 December                |
| 100. | Who amor    | ng the following won four Grand slams   | in a c  | alendar year?              |
|      | (A)         | Rafael Nadal                            | (B)     | Novak Djokovic             |
|      | (C)         | Roger Federer                           | (D)     | Pete Sampras               |
|      |             |   |         |                            |