

Question Paper with Final (Revised) Answer Key for the Post of	Assistant Engineer (Electrical) in HPPTCL	held on 13-12- 2021
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Itemcode : **EH1001**

Q1: Zero sequence currents can flow from a line to transformer bank if the windings are in

A	Grounded star/delta
B	Delta/star
C	Star/grounded star
D	Delta/delta

Correct Ans: **A**

Itemcode : **EH1002**

Q2: How many relays are used to detect interphase fault of a three-line system?

A	One
B	Two
C	Three
D	Six

Correct Ans: **C**

Itemcode : **EH1003**

Q3: The neutral of 10MVA, 11kV alternator is earthed through a resistance of 5 Ohms. The earth fault relay is set to operate at 0.75A. The CTs have a ratio of 1000/5. What percentage of the alternator winding is protected?

A	11.8%
B	15%
C	85%
D	88.2%

Correct Ans: **D**

Itemcode : **EH1004**

Q4: A double squirrel cage induction motor has two

A	Rotors moving in opposite direction
B	Parallel windings on rotor
C	Parallel windings on stator
D	Series windings in stator

Correct Ans: **B**

Itemcode : **EH1005**

Q5: If an induction motor with certain ratio of rotor to stator slots, runs at 1/7 of the normal speed, the phenomenon will be treated as

A	Humming
B	Hunting

C	Crawling
D	Cogging
Correct Ans: C	

<u>Itemcode</u> : EH1006	
Q6: The e.m.f. induced in the armature of a shunt generator is 400V. The armature resistance is 0.1 Ohms. If the armature current is 200A, the terminal voltage will be	
A	440V
B	420V
C	400V
D	380V
Correct Ans: D	

<u>Itemcode</u> : EH1007	
Q7: Ward-Leonard control is basically a	
A	Voltage control method
B	Field diverter method
C	Shunt armature control method
D	Armature resistance control method
Correct Ans: A	

<u>Itemcode</u> : EH1008	
Q8: HRC for fuses stands for	
A	High resistance couple
B	High rupturing capacity
C	Hot running car
D	High reactance column
Correct Ans: B	

<u>Itemcode</u> : EH1009	
Q9: The rating of the Earth Leakage Circuit Breaker is specified in _____.	
A	Voltage
B	Current
C	Power factor
D	Frequency
Correct Ans: B	

<u>Itemcode</u> : EH1010	
Q10: The relay used for feeder protection is	

A	Under-voltage relay
B	Thermal relay
C	Buchholz relay
D	Translay relay
Correct Ans: D	

<u>Itemcode</u> : EH1011	
Q11: When the Ferranti effect on long overhead lines experienced?	
A	The line is fully loaded
B	The power factor is unity
C	The line is heavily loaded
D	The line is lightly loaded
Correct Ans: D	

<u>Itemcode</u> : EH1012	
Q12: In Thevenin's theorem, Z_{th} is determined by	
A	Short-circuiting all independent current and voltage sources
B	Open-circuiting all independent current and voltage sources
C	Short-circuiting all independent voltage sources and open-circuiting all independent current sources
D	Open-circuiting all independent voltage sources and short-circuiting all independent current sources
Correct Ans: C	

<u>Itemcode</u> : EH1013	
Q13: A three-phase circuit breaker is rated at 2000MVA and 33kV. Its making current will be	
A	89kA
B	161kA
C	35kA
D	70kA
Correct Ans: A	

<u>Itemcode</u> : EH1014	
Q14: The magnetising inrush current in a transformer is rich in	
A	2 nd harmonics
B	3 rd harmonics
C	5 th harmonics
D	7 th harmonics
Correct Ans: A	

Itemcode : **EH1015**

Q15: For effective use of a counterpoise wire, its leakage resistance should be

- | | |
|----------|----------------------------------|
| A | Greater than the surge impedance |
| B | Less than the surge impedance |
| C | Equal to the surge impedance |
| D | Always unity |

Correct Ans: **B**

Itemcode : **EH1016**

Q16: A transformer can have voltage regulation closer to zero

- | | |
|----------|-------------------------|
| A | On full load |
| B | On overload |
| C | On leading power factor |
| D | On zero power factor |

Correct Ans: **C**

Itemcode : **EH1017**

Q17: A synchronous motor has better power factor as compared to that of an equivalent induction motor because

- | | |
|----------|---|
| A | Synchronous motor has no slip |
| B | Stator supply is not required to produce magnetic field |
| C | Mechanical load on the rotor remains constant |
| D | Synchronous motor has large air gap |

Correct Ans: **B**

Itemcode : **EH1018**

Q18: For protection of rotating machines against lightning surges, a combination of _____ is used.

- | | |
|----------|--|
| A | Lightning conductor and capacitor |
| B | Lightning conductor and lightning arrester |
| C | Lightning arrester alone |
| D | Lightning arrester and capacitor |

Correct Ans: **D**

Itemcode : **EH1019**

Q19: A bank of two $0.4\mu F$, 420V capacitors connected in series will have capacitance and breakdown voltage of

- | | |
|----------|-------------------|
| A | $0.2\mu F$, 840V |
| B | $0.2\mu F$, 420V |
| C | $0.8\mu F$, 840V |
| D | $0.8\mu F$, 420V |

Correct Ans: **A**

Itemcode : **EH1020**

Q20: In a series RC circuit, $R = 10 \text{ Ohm}$ and $X_L = 10 \text{ Ohm}$. The power factor of the circuit is

- A** 1
- B** 0.707 leading
- C** 0.707 lagging
- D** 0

Correct Ans: **S** **(S Denotes question scrapped and no credit to Candidates.)**

Itemcode : **EH1021**

Q21: A Buchholz relay is used for the protection of

- A** A transformer against all internal faults
- B** A transformer against all external faults
- C** A transformer against all internal and external faults
- D** Induction motors

Correct Ans: **A**

Itemcode : **EH1022**

Q22: Two insulator disc of identical capacitance value C makes up a string for a 22 kV, 50 Hz, single phase overhead line insulation system. If the pin to earth capacitance is also C , then the string efficiency is

- A** 50%
- B** 86%
- C** 75%
- D** 90%

Correct Ans: **C**

Itemcode : **EH1023**

Q23: Two transformers are operated in parallel. These transformers do not have equal percentage impedances. This is likely to result in

- A** Short circuiting of secondaries
- B** Power factor of one of the transformers is leading while that of the other is lagging
- C** Transformers having higher copper losses will have negligible core losses
- D** Loading of the transformers not in proportion to their kVA ratings

Correct Ans: **D**

Itemcode : **EH1024**

Q24: If capacitor of single-phase motor is short circuited

- A** The motor will not start
- B** The motor will burn
- C** The motor will run in reverse direction

D	The motor will run in same direction with reduced r.p.m.
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Correct Ans: **A**

Itemcode : **EH1025**

Q25: If time of operation of a relay for unity TMS is 10 seconds, then time of operation for 0.5 TMS will be

A	5 seconds
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B	10 seconds
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C	15 seconds
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D	20 seconds
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Correct Ans: **A**

Itemcode : **EH1026**

Q26: An over-current relay, having a current setting of 12.5% is connected to a supply circuit through a current transformer of ratio 400/5. The pick-up value of the current in Amperes is

A	6.25
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B	10
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C	12.5
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D	15
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Correct Ans: **S** **(S Denotes question scrapped and no credit to Candidates.)**

Itemcode : **EH1027**

Q27: What is the internal resistance (in Ohms) of an ideal current source?

A	0
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B	100
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C	1
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D	Infinity
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Correct Ans: **D**

Itemcode : **EH1028**

Q28: An infinite conducting sheet of charge has conductivity 10^{-7}C/m^2 . The equipotential surfaces for a potential of 10V is

A	1.77mm
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B	1.32mm
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C	0.88mm
----------	--------

D	0.44mm
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Correct Ans: **A**

Itemcode : **EH1029**

Q29: _____ current is due to the movement of charge and does not obey Ohm's law.

A	Conduction
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B	Convection
C	Displacement
D	Convection or conduction
Correct Ans: B	

<u>Itemcode</u> : EH1030	
Q30: The continuity equation is based on the _____.	
A	Ohm's law
B	Kirchhoff's voltage law
C	Law of conservation of charge
D	Gauss's law
Correct Ans: C	

<u>Itemcode</u> : EH1031	
Q31: An instrument in which the value of electrical quantity to be measured can be determined from the deflection of the instrument when it has been pre-calibrated by comparison with an absolute instrument	
A	Primary instrument
B	Secondary instrument
C	Recording instrument
D	Integrating instrument
Correct Ans: B	

<u>Itemcode</u> : EH1032	
Q32: Transmission τ and reflection co-efficients Γ are related as	
A	$(1 + \tau)\Gamma = 0$
B	$(1 + \Gamma)\tau = 0$
C	$\tau = \Gamma - 1$
D	$\Gamma = \tau - 1$
Correct Ans: D	

<u>Itemcode</u> : EH1033	
Q33: In a hot wire instrument, the sensing wire is made of	
A	Copper
B	Silver
C	Copper-Nickel
D	Platinum-Iridium
Correct Ans: D	

<u>Itemcode</u> : EH1034	
Q34: The lowest mode of TE wave that can propagate is expressed by _____.	

A	TE ₁₀
B	TE ₁₁
C	TE ₀₁
D	TE ₀₀
Correct Ans: A	

<u>Itemcode</u> : EH1035	
Q35: Which of the following meters will require the smallest shunt resistance?	
A	0-10 A
B	0-10 mA
C	0-100 mA
D	0-1 mA
Correct Ans: A	

<u>Itemcode</u> : EH1036	
Q36: In eddy-current damping systems, the disc is made up of	
A	Non-conducting and magnetic material
B	Non-conducting and Non-magnetic material
C	Conducting and Non-magnetic material
D	Conducting and magnetic material
Correct Ans: C	

<u>Itemcode</u> : EH1037	
Q37: Standing wave results due to the superimposition of two waves of _____ amplitudes and travelling in _____ direction.	
A	Unequal, same
B	Unequal, opposite
C	Equal, same
D	Equal, opposite
Correct Ans: D	

<u>Itemcode</u> : EH1038	
Q38: A family of arcs is obtained in the Smith chart by varying normalized reactance in a range of _____.	
A	-1 to 0
B	0 to 1
C	0 to ∞
D	$-\infty$ to ∞
Correct Ans: D	

Itemcode : **EH1039**

Q39: In repulsion type instrument the force of repulsion is approximately proportional to

- A** Current
- B** The inverse of the current
- C** Square of current
- D** Cube of current

Correct Ans: **C**

Itemcode : **EH1040**

Q40: A quarter wave loss-less line reflects the load impedance to the input terminals as

- A** the impedance of the inductor
- B** the input impedance
- C** its inverse multiplied by the square of the characteristic resistance
- D** the impedance of the capacitor

Correct Ans: **C**

Itemcode : **EH1041**

Q41: Which of the following transducer requires a high input impedance preamplifier for proper measurement?

- A** Piezoelectric
- B** LVDT
- C** Thermistor
- D** Thermocouple

Correct Ans: **A**

Itemcode : **EH1042**

Q42: The bridge which is used to measure the dielectric loss of an insulator

- A** Anderson bridge
- B** Wein bridge
- C** Schering bridge
- D** Wheatstone bridge

Correct Ans: **C**

Itemcode : **EH1043**

Q43: Shunt compensation in an EHV line is used to

- A** Improve stability
- B** Improve the voltage profile
- C** Substitute for synchronous phase modifier
- D** Reduce the fault level

Correct Ans: **B**

Itemcode : **EH1044**

Q44: Interline Power Flow Controller (IPFC) is a _____ FACTS controller.

A Shunt-shunt

B Shunt-series

C Series-shunt

D Series-series

Correct Ans: **D**

Itemcode : **EH1045**

Q45: The value of boost factor is equal to unity when TCSC is operated in _____ mode.

A Capacitive boost

B Inductive boost

C Bypass

D Blocking

Correct Ans: **D**

Itemcode : **EH1046**

Q46: Commutation overlap in the phase controlled ac to dc converters is due to

A switching operation in the converter

B harmonic content of load current

C source inductance

D load inductance

Correct Ans: **C**

Itemcode : **EH1047**

Q47: Simplest method of eliminating third harmonic from the output voltage waveform of a single phase bridge inverter is to use

A Stepped wave inverters

B Multiple pulse modulation

C Inverters in series

D Single pulse modulation

Correct Ans: **D**

Itemcode : **EH1048**

Q48: A chopper can be used on

A pulse width modulation only

B frequency modulation only

C both pulse width modulation and frequency modulation

D	amplitude modulation only
Correct Ans: C	

<u>Itemcode</u> : EH1049	
Q49: Normally Y_{BUS} matrix is a	
A	Null matrix
B	Sparse matrix
C	Full matrix
D	Unity matrix
Correct Ans: B	

<u>Itemcode</u> : EH1050	
Q50: Compared to Gauss-Seidel method, Newton-Raphson method takes	
A	Less number of iterations and more time per iteration
B	Less number of iterations and less time per iteration
C	More number of iterations and more time per iteration
D	More number of iterations and less time per iteration
Correct Ans: A	

<u>Itemcode</u> : EH1051	
Q51: Low power factor is usually not due to	
A	Electric geyser
B	Arc furnace
C	Fluorescent tube
D	Induction furnace
Correct Ans: A	

<u>Itemcode</u> : EH1052	
Q52: Which one of the following devices is a custom power device?	
A	Static synchronous series compensator
B	Dynamic voltage restorer
C	Unified power flow controller
D	Interline power flow controller
Correct Ans: B	

<u>Itemcode</u> : EH1053	
Q53: The equivalent model of _____ consists of _____ dependent energy sources.	
A	Unified power flow controller, two
B	Interline power flow controller, two

C	Static phase shifter, two
D	Static phase shifter, three
Correct Ans: C	

<u>Itemcode</u> : EH1054	
Q54: The power factor improvement equipment is always placed	
A	at the generating station
B	near the distribution transformer
C	near the apparatus responsible for low power factor
D	near the power transformer
Correct Ans: C	

<u>Itemcode</u> : EH1055	
Q55: The unit of attenuation constant is	
A	Radian/m
B	Per unit
C	Neper/m
D	Steradian/m
Correct Ans: C	

<u>Itemcode</u> : EH1056	
Q56: _____ motor is used in electric vehicles.	
A	Reluctance
B	Induction
C	Brushless dc
D	Hysteresis
Correct Ans: C	

<u>Itemcode</u> : EH1057	
Q57: Which of the following power electronic device is not used in FACTS devices?	
A	Power MOSFET
B	IGBT
C	GTO
D	Power diode
Correct Ans: D	

<u>Itemcode</u> : EH1058	
Q58: Which of the function is performed by Dynamic voltage restorer?	
A	Dynamic power flow control in a transmission network

B	Mitigation of voltage harmonics in a distribution network
C	Angle stability enhancement in a transmission network
D	Mitigation of current harmonics in a distribution network
Correct Ans: B	

<u>Itemcode</u> : EH1059	
Q59: _____ is responsible for providing shunt compensation in a power system network.	
A	Communication network company
B	Electricity consumer
C	Municipal corporation
D	Electric utility
Correct Ans: B	

<u>Itemcode</u> : EH1060	
Q60: The minimum value of power factor can be	
A	0
B	1
C	-1
D	$-\infty$
Correct Ans: A	

<u>Itemcode</u> : EH1061	
Q61: The advantage of iron-nickel battery over the lead acid battery is that	
A	it needs less maintenance
B	it is much cheaper
C	the cell voltage of the iron-nickel battery is higher
D	it has a much higher efficiency
Correct Ans: A	

<u>Itemcode</u> : EH1062	
Q62: When a heater is connected to the power supply, the heater coil will glow but the supply wiring does not glow. This is because	
A	Internal wiring is of superior material
B	Supply wires are covered with insulation
C	Resistance of heater coils is very high in comparison to that of internal wiring
D	The resistance of internal wiring is very high
Correct Ans: C	

<u>Itemcode</u> : EH1063	
Q63:	

The power delivered to a 3-phase load can be measured by the use of one wattmeter method when the	
A	Load is unbalanced
B	Load is balanced
C	3-phase load is connected to the source through 3 wires
D	3-phase load is connected to the source through 4 wires
Correct Ans: B	

Itemcode : EH1064	
Q64: In hydroelectric power plants	
A	Operating cost is high and initial cost is low
B	Both operating cost as well as initial cost are high
C	Operating cost is low and initial cost is high
D	Both operating cost as well as initial cost are low
Correct Ans: C	

Itemcode : EH1065	
Q65: In which of the operating mode, BJT acts as an amplifier?	
A	Cut-off
B	Active
C	Inverse
D	Saturation
Correct Ans: B	

Itemcode : EH1066	
Q66: Which of the following transistor configuration is suitable for impedance matching?	
A	Common collector
B	Common base
C	Common emitter
D	Emitter-base
Correct Ans: A	

Itemcode : EH1067	
Q67: FET is a	
A	impedance controlled device
B	power controlled device
C	voltage controlled device
D	current controlled device
Correct Ans: C	

Itemcode : **EH1068**

Q68: Which of the following circuit element is unidirectional in nature?

- A** Resistor
- B** Inductor
- C** Voltage source
- D** MOSFET

Correct Ans: **D**

Itemcode : **EH1069**

Q69: A hydraulic turbine having rated speed of 250 rpm is connected to a synchronous generator. In order to produce power at 50 Hz, the number of poles required in the generator are

- A** 16
- B** 6
- C** 24
- D** 12

Correct Ans: **C**

Itemcode : **EH1070**

Q70: According to IS, _____ colour is used for the neutral wire in a 3-pin socket.

- A** red
- B** black
- C** green
- D** blue

Correct Ans: **B**

Itemcode : **EH1071**

Q71: Which of the following faults is most severe?

- A** Single line to ground fault
- B** Line to line fault
- C** Double line to ground fault
- D** Three phase to ground fault

Correct Ans: **D**

Itemcode : **EH1072**

Q72: Which of the following factor does not affect corona loss?

- A** Rain, dust, etc.
- B** Conductor radius
- C** Power factor

D	Frequency
Correct Ans: C	

Itemcode : EH1073	
Q73: A four-quadrant operation requires	
A	two full converters connected back-to-back
B	two full converters in series
C	two full converters in parallel
D	two semi-converters connected back-to-back
Correct Ans: A	

Itemcode : EH1074	
Q74: A single-phase one-pulse diode rectifier is feeding an RL load with freewheeling diode across the load. For conduction angle β , the main diode and freewheeling diode would, respectively, conduct for	
A	$\pi, \beta - \pi$
B	$\pi, \pi - \beta$
C	π, β
D	$\beta - \pi, \pi$
Correct Ans: A	

Itemcode : EH1075	
Q75: The frequency deviation of an FM wave with modulation index of 7 and a practical bandwidth of 160kHz is	
A	140kHz
B	70kHz
C	35kHz
D	10kHz
Correct Ans: B	

Itemcode : EH1076	
Q76: Which of the following is the ideal method of heating plastics?	
A	Resistance furnace heating
B	Coal fired furnace
C	Oil fired furnace
D	Dielectric heating
Correct Ans: D	

Itemcode : EH1077	
Q77: Which of the following is an antiferromagnetic material?	
A	Copper

B	Gold
C	Chromium
D	Bismuth
Correct Ans: C	

Itemcode : EH1078	
Q78: LEDs are not used in	
A	vehicle's tail lamps
B	radio-therapy instruments for healing purposes
C	night lamps
D	instrument panels as indicators
Correct Ans: B	

Itemcode : EH1079	
Q79: Which of the following plant has the minimum running cost?	
A	Thermal power plant
B	Nuclear power plant
C	Hydro power plant
D	Diesel power plant
Correct Ans: C	

Itemcode : EH1080	
Q80: A multimeter has different shunts, which increase the	
A	Voltage range
B	Current range
C	Resistance range
D	Impedance range
Correct Ans: B	

Itemcode : EH1081	
Q81: Of the following, which district of Himachal Pradesh is the smallest in area?	
A	Hamirpur.
B	Kinnaur.
C	Sirmaur.
D	Una.
Correct Ans: A	

Itemcode : EH1082	
Q82: District Solan of Himachal Pradesh has its common boundaries with the following States of India.	

A	Haryana and Uttarakhand.
B	Uttar Pradesh and Haryana.
C	Punjab and Haryana.
D	Punjab only.
Correct Ans: C	

<u>Itemcode</u> : EH1083			
Q83: Find out the correct match of the density of population per Km of the following districts of Himachal Pradesh as per the Census of 2001:			
(i)	Sirmaur	(a)	228.
(ii)	Mandi	(b)	141.
(iii)	Chamba	(c)	71.
(iv)	Shimla	(d)	162.
A	(i) – (b); (ii) – (d); (iii) – (c); (iv) – (a).		
B	(i) – (d); (ii) – (a); (iii) – (c); (iv) – (b).		
C	(i) – (c); (ii) – (b); (iii) – (a); (iv) – (d).		
D	(i) – (a); (ii) – (c); (iii) – (d); (iv) – (b).		
Correct Ans: B			

<u>Itemcode</u> : EH1084	
Q84: Of the following, who was the first woman Chairperson of the Himachal State Commission for Women?	
A	Malvika Pathania.
B	Ambika Sood.
C	Indu Goswami.
D	Saroj Sharma.
Correct Ans: D	

<u>Itemcode</u> : EH1085	
Q85: Of the following, who became the Chairman of the Himachal Pradesh Territorial Council, which replaced the Legislative Assembly?	
A	Y.S. Parmar.
B	Padam Dev.
C	Karam Singh Thakur.
D	Gauri Prasad.
Correct Ans: C	

<u>Itemcode</u> : EH1086	
Q86: Which of the following is correct about the male literacy rate of Himachal Pradesh, according to the Census of 2011?	

- (i) It was above all the Censuses from 1981 onwards.
- (ii) It was slightly below the Census of 2001.
- (iii) It was higher to the Census of 1991.
- (iv) It was below the Census of 1991.

A (i) & (iv).

B (i) & (iii).

C (ii) & (i).

D (iii) only.

Correct Ans: **B**

Itemcode : **EH1087**

Q87: How many Panchayats were added to the backward Panchayats in 2006, which increased their number to 551 in Himachal Pradesh?

A 39

B 30

C 50

D 60

Correct Ans: **A**

Itemcode : **EH1088**

Q88: Which of the following is correct about the growth rate of Himachal Pradesh in the first three Five Year Plans?

A The Third Plan witnessed a slight decline in growth rate.

B The First Plan alone recorded growth.

C All the three Plans recorded a decline in growth.

D All the three Plans recorded growth.

Correct Ans: **D**

Itemcode : **EH1089**

Q89: In which of the following month, the Dhungri fair is celebrated in Manali (Himachal Pradesh)?

A March.

B April.

C May.

D July.

Correct Ans: **C**

Itemcode : **EH1090**

Q90: Of the following, who was given the Dr. Yashwant Singh Parmar Award in 1986 for Himachali Sanskritik Literature :

A Mian Goverdhan Singh.

B	Bhavani Dutt Shastri.
C	Srikant Pratyush Guleri.
D	Tulsi Raman.
Correct Ans: A	

<u>Itemcode</u> : EH1091	
Q91: Which of the following State of India has the highest investment potential as per a study of 2017?	
A	Maharashtra.
B	Gujarat.
C	Karnataka.
D	Madhya Pradesh.
Correct Ans: B	

<u>Itemcode</u> : EH1092	
Q92: Which of the following is correct about the occurrence of Solar Eclipse?	
A	It occurs when the moon is between the earth and the sun.
B	It occurs when the earth is between the sun and the Jupiter.
C	Both are correct i.e. when the moon is between the earth and the sun & when the earth is between the sun and the Jupiter.
D	None of the above.
Correct Ans: A	

<u>Itemcode</u> : EH1093	
Q93: Of the following, on which river is located the Port of Haldia?	
A	The Brahmaputra.
B	The Ganga.
C	The Meghna.
D	The Hugli.
Correct Ans: D	

<u>Itemcode</u> : EH1094	
Q94: In which of the following Five Year Plans, India had the average annual growth rate of Economy at constant prices at (+) 7.8%.	
A	Eighth Plan.
B	Ninth Plan.
C	Tenth Plan.
D	Fifth Plan.
Correct Ans: C	

Itemcode : **EH1095**

Q95: During which of the following years, Gopal Krishna Gokhale served in the Poona Municipal Council, the Bombay Legislative Council and the Imperial Legislative Council?

A 1901 and 1910.

B 1902 and 1915.

C 1904 and 1909.

D 1907 and 1913.

Correct Ans: **B**

Itemcode : **EH1096**

Q96: Which of the following country has sponsored the Pulitzer Prize. Also give the name of discipline for which it is sponsored?

A Australia for the promotion of Nuclear Science.

B Canada for the promotion of Business.

C Great Britain for the promotion of Research in Life Sciences.

D USA for the promotion of Journalism.

Correct Ans: **D**

Itemcode : **EH1097**

Q97: Which of the following is correct about the Tropic of Cancer and the Tropic of Capricorn?

(i) They are one of the two visible lines around the world.

(ii) They are one of the two imaginary lines around the world.

(iii) The Tropic of Cancer is $23\frac{1}{2}^{\circ}$ north of the Equator.

(iv) The Tropic of Capricorn is $23\frac{1}{2}^{\circ}$ south-east of the equator.

A (i) & (ii).

B (ii) & (iii).

C (iii) & (iv).

D (iv) & (i).

Correct Ans: **B**

Itemcode : **EH1098**

Q98: Find out the correct match of the following with their dates :

(i) U.N. Day (a) September 16.

(ii) World Ozone Day (b) March 08.

(iii) World Earth Day (c) October 24.

(iv) International Women Day (d) April 22.

A (i) - (c); (ii) - (a); (iii) - (d); (iv) - (b).

B (i) - (a); (ii) - (d); (iii) - (c); (iv) - (b).

C	(i) – (d); (ii) – (c); (iii) – (b); (iv) – (a).
D	(i) – (b); (ii) – (a); (iii) – (c); (iv) – (d).
Correct Ans: A	

<u>Itemcode</u> : EH1099	
Q99: Which of the following is correct about the Renaissance in Europe?	
A	It started in Great Britain first.
B	It started in Germany first.
C	It started in Italy first.
D	It started in Spain first.
Correct Ans: C	

<u>Itemcode</u> : EH1100	
Q100: Which of the following country became the first country in the world to grant women the right to vote in its national elections? Give its year also.	
A	USA in 1860.
B	Canada in 1875.
C	Australia in 1870.
D	New Zealand in 1893.
Correct Ans: D	